

# A Bibliography of Selected References for Researchers and Academicians Dedicated to Tick and Flea-borne Infection Science

Citations to Move Beyond Protocols and Mono-Infection Science in Vector Medicine



A TEXTBOOK OFFERING DIVERSE REFERENCES WITHOUT ABSTRACTS

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for Researchers and Academicians  
Dedicated to Tick and Flea-borne  
Infection Science

J.L. Schaller and K. Mountjoy

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#### **Note on Citation Style**

The style of these references varies. Making them uniform would not add to the ability to locate a citation. Most were left as they appeared when uncovered from a wide range of locations.

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First Edition

*Dedicated to researchers, physicians and healers  
willing to serve the “untreatable,”  
and who study without ceasing...*

*To those healers who accept patients “no one else can help,”  
who read with a ferocious passion,  
hoping for an insight to save just one person—  
anywhere on the earth.*

*You are my true brothers and sisters in the medical arts.*

*Thank you for your friendships and lessons. (JS)*

*And to my co-author Kimberly Mountjoy—  
a wise scientist, scholar and caretaker.*



Abbas HM, Brenes RA, Ajemian MS, Scholand SJ. Successful conservative treatment of spontaneous splenic rupture secondary to Babesiosis: a case report and literature review. Conn Med. 2011 Mar;75(3):143-6. Review.

Abdad MY, Stenos J, Graves S. Rickettsia felis, an emerging flea-transmitted human pathogen. Emerg Health Threats J. 2011; 4: 10. Published online 2011 July 1.

Abdollahi-Roodsaz S, Joosten LA, Roelofs MF, Radstake TR, Matera G, Popa C, van der Meer JW, Netea MG, van den Berg WB. Inhibition of Toll-like receptor 4 breaks the inflammatory loop in autoimmune destructive arthritis. Arthritis Rheum. 2007 Sep;56(9):2957-67.

Aberer E, Fingerle V, Wutte N, Fink-Puches R, Cerroni L. Within European margins. Lancet. 2011 Jan 8;377(9760):178.

Aberer E, Klade H Cutaneous manifestations of Lyme borreliosis. Infection. 1991 Jul-Aug;19(4):284-6.

Aberer E, Kersten A, Klade H, Poitschek C, Jurecka W. Heterogeneity of *Borrelia burgdorferi* in the skin. 1996. American Journal of Dermatopathology, 18(6):571-9.

Aboudharam G, Fournier PE, Drancourt M, Raoult D, Foucault C, Brouqui P. Molecular detection of *Bartonella quintana* DNA in the dental pulp of a homeless patient. Eur J Clin Microbiol Infect Dis. 2004 Dec;23(12):920-2.

Aboudharam G, Vu DL, Davoust B, Drancourt M, Raoult D. Molecular detection of *Bartonella* spp. in the dental pulp of stray cats buried for a year. Microb Pathog. 2005 Jan;38(1):47-51. Epub 2004 Dec 8.

AbouLaila M, Sivakumar T, Yokoyama N, Igarashi I. Inhibitory effect of terpene nerolidol on the growth of Babesia parasites. Parasitol Int. 2010 Jun;59(2):278-82. Epub 2010 Feb 21.

Abrams Y. Complications of coinfection with Babesia and Lyme disease after splenectomy. *J Am Board Fam Med.* 2008 Jan-Feb;21(1):75-7.

Accorinti M. Ocular bartonellosis. *Int J Med Sci.* 2009;6(3):131-2. Epub 2009 Mar 19.

Ackermann R, Rehse-Kupper B, Gollmer E, Schmidt R. Chronic neurologic manifestations of erythema migrans borreliosis. *Annals of the New York Academy of Sciences,* 539:16-23. 1988.

Ackermann R, Kabatzki J, Boisten HP, Steere AC, Grodzicki RL, Hartung S, Runne U. [Spirochete etiology of erythema chronicum migrans disease]. [Article in German]. *Dtsch Med Wochenschr.* 1984 Jan 20;109(3):92-7.

Ackermann R, Kabatzki J, Boisten HP, Steere AC, Grodzicki RL, Hartung S, Runne U. Ixodes ricinus spirochete and European erythema chronicum migrans disease. *Yale J Biol Med.* 1984 Jul-Aug;57(4):573-80.

Adamska M. [Bartonella spp. as a zoonotic pathogens transmitting by blood-feeding arthropods].[Article in Polish]. *Wiad Parazytol.* 2010;56(1):1-9. Review.

Adelson ME, Rao RV, Tilton RC, Cabets K, Eskow E, Fein L, Occi JL, Mordechai E. Prevalence of *Borrelia burgdorferi*, *Bartonella* spp., *Babesia microti*, and *Anaplasma phagocytophila* in *Ixodes scapularis* ticks collected in Northern New Jersey. *J Clin Microbiol.* 2004 Jun;42(6):2799-801.

Aderinboye O, Syed SS. Congenital babesiosis in a four-week-old female infant. *Pediatr Infect Dis J.* 2010 Feb;29(2):188.

Adham FK, El-Samie-Abd EM, Gabre RM, El Hussein H. Detection of tick blood parasites in Egypt using PCR assay II- *Borrelia burgdorferi* sensu lato. *J Egypt Soc Parasitol.* 2010 Dec;40(3):553-64.

Adjei G. Clinical neurotoxicity of artemisinin drugs in malaria treatment. In: Program and abstracts of the 4th Multilateral Initiative on Malaria conference. 2005.

Agger W, Case KL, Bryant GL, Callister SM. Lyme disease: clinical features, classification, and epidemiology in the upper midwest. 1991. Medicine (Baltimore) Mar;70(2):83-90.

Aguero-Rosenfeld ME, Donnarumma L, Zentmaier L, Jacob J, Frey M, Noto R, Carbonaro CA, Wormser GP. Seroprevalence of antibodies that react with *Anaplasma phagocytophila*, the agent of human granulocytic ehrlichiosis, in different populations in Westchester County, New York. *J Clin Microbiol.* 2002 Jul;40(7):2612-5.

Aguero-Rosenfeld ME, Nowakowski J, Bittker S, Cooper D, Nadelman RB, Wormser GP. Evolution of the serologic response to *Borrelia burgdorferi* in treated patients with culture-confirmed erythema migrans. *J Clin Microbiol.* 1996 Jan;34(1):1-9.

Aguero-Rosenfeld ME, Nowakowski J, McKenna DF, Carbonaro CA, Wormser GP. Serodiagnosis in early Lyme disease. *J Clin Microbiol.* 1993 Dec;31(12):3090-5. Erratum in: *J Clin Microbiol* 1994 Mar;32(3):860.

Aguero-Rosenfeld ME, Roberge J, Carbonaro CA, Nowakowski J, Nadelman RB, Wormser GP. Effects of OspA vaccination on Lyme disease serologic testing. *J Clin Microbiol.* 1999 Nov;37(11):3718-21.

Aguero-Rosenfeld ME, Wang G, Schwartz I, Wormser GP. Diagnosis of lyme borreliosis. *Clin Microbiol Rev.* 2005 Jul;18(3):484-509. Review.

Aguirre AA. Wild canids as sentinels of ecological health: a conservation medicine perspective. *Parasit Vectors.* 2009; 2(Suppl 1): S7. Published online 2009 March 26.

Ahmed JS. The role of cytokines in immunity and immuno-pathogenesis of pirolasmoses. Parasitol Res. 2002;88(13 Suppl 1): S48-50

Akiyama M. Risk management and measuring productivity with POAS--Point of Act System--a medical information system as ERP (Enterprise Resource Planning) for hospital management. Methods Inf Med. 2007;46(6):686-93.

Akin E, Aversa J, Steere AC. Expression of adhesion molecules in synovia of patients with treatment-resistant lyme arthritis. Infect Immun. 2001 Mar;69(3):1774-80.

Akin E, McHugh GL, Flavell RA, Fikrig E, Steere AC. The immunoglobulin (IgG) antibody response to OspA and OspB correlates with severe and prolonged Lyme arthritis and the IgG response to P35 correlates with mild and brief arthritis. Infect Immun. 1999 Jan;67(1):173-81.

Alberti A, Zobba R, Chessa B, Addis MF, Sparagano O, Pinna Parpaglia ML, Cubeddu T, Pintori G, Marco Pittau M. Equine and Canine Anaplasma phagocytophilum Strains Isolated on the Island of Sardinia (Italy) Are Phylogenetically Related to Pathogenic Strains from the United States. Appl Environ Microbiol. 2005 October; 71(10): 6418–6422.

Alcantara V, Rolain JM, Eduardo AG, Raul MJ, Raoult D. Molecular detection of Bartonella quintana in human body lice from Mexico City. Clin Microbiol Infect. 2009 Dec;15 Suppl 2:93-4. Epub 2009 Sep 28.

Al-Kappany YM, Lappin MR, Kwok OC, Abu-Elwafa SA, Hilali M, Dubey JP. Seroprevalence of Toxoplasma gondii and concurrent Bartonella spp., feline immunodeficiency virus, feline leukemia virus, and Dirofilaria immitis infections in Egyptian cats. J Parasitol. 2011 Apr;97(2):256-8. Epub 2010 Oct 14.

Alonso-Coello P, García JM, Solà I. [Limitations and subterfuges of criticism of evidence based medicine].[Article in Spanish]. Med Clin (Barc). 2005 Feb 19;124(6):237; author reply 237-8.

Al-Qudah AA, Mostratos A, Quesnel LB. A proposed life cycle for the Reiter treponeme. 1983. Journal of Applied Bacteriology, 55:417-428.

Alban PS, Johnson PW, Nelson DR. Serum-starvation-induced changes in protein synthesis and morphology of *Borrelia burgdorferi*. 2000. Microbiology, Jan;146 (Pt 1):119-27.

Alban PS, Nelson DR. Serum starvation-induced cyst formation in *Borrelia burgdorferi* under defined conditions. Presented at the 1999 International Conference on Lyme disease in Munich, Germany.

Alinia. Package Insert. Accessed 2006 September 10. Available from: <http://www.romark.com>.

Alkhalil A, Hill DA, Desai SA. Babesia and plasmodia increase host erythrocyte permeability through distinct mechanisms. Cell Microbiol. 2007 Apr;9(4):851-60. Epub 2006 Nov 3.

Alpert B, Esin J, Sivak SL, Wormser GP. Incidence and prevalence of Lyme disease in a suburban Westchester County community. N Y State J Med. 1992 Jan;92(1):5-8.

Alpert JE, Papakostas G, Mischoulon D, et al. S-adenosyl-L-methionine (SAMe) as an adjunct for resistant major depressive disorder: an open trial following partial or nonresponse to selective serotonin reuptake inhibitors or venlafaxine. J Clin Psychopharmacol. 2004;24(6):661-664.

Alter HJ, Stramer SL, Dodd RY. Emerging infectious diseases that threaten the blood supply. Semin Hematol. 2007 Jan;44(1):32-41. Review.

American Medical Association, Code of Medical Ethics.

Ames JR, Ryan MD, Klayman DL. Charge transfer and oxy radicals in antimalarial action. *J. Free Rad Biol. Med.* 1985;1:353-61.

Amsbaugh S, Huiras E, Wang NS, Wever A, Warren S. Bacillary angiomatosis associated with pseudoepitheliomatous hyperplasia. *Am J Dermatopathol.* 2006 Feb;28(1):32-5.

Anand KP, Anand A, Kashyap AS. Dr Victor Babes, discoverer of Babesia. Stamps issued on babesiosis, 7th International Congress of Protozoology, stamp--Kenya 1985. *J Assoc Physicians India.* 2008 Oct;56:808.

Ananjeva LP, Skripnikova IA, Barskova VG, Steere AC. Clinical and serologic features of Lyme borreliosis in Russia. *J Rheumatol.* 1995 Apr;22(4):689-94.

Ananjeva LP, Skripnikova IA, Barskova VG, Steere AC. [The clinical and serological manifestations of Lyme disease in Russia]. [Article in Russian]. *Ter Arkh.* 1995;67(11):38-42.

Anbu AT, Foulerton M, McMaster P, Bakalinova D. Basal ganglia involvement in a child with cat-scratch disease. *Pediatr Infect Dis J.* 2003 Oct;22(10):931-2.

Anderson JF, Mintz ED, Gadbaw JL, Magnerelli LA. Babesia microti, human babesiosis, and *Borrelia burgdorferi* in Connecticut. *J Clin Microbiol.* 1991;29:2779-83.

Anfosso L, Efferth T, Albini A, Pfeffer U. Microarray expression profiles of angiogenesis-related genes predict tumor cell response to artemisinins. *Pharmacogenomics J.* 2006;6:269-78. Epub 2006 Jan 24.

Angel TE, Luft BJ, Yang X, Nicora CD, Camp DG 2nd, Jacobs JM, Smith RD. Proteome analysis of *Borrelia burgdorferi* response to environmental change. *PLoS One.* 2010 Nov 2;5(11):e13800.

Angel-Moreno A, Hernández-Cabrera M, Pérez-Arellano JL. Kikuchi's disease or Kikuchi's syndrome? *Clin Infect Dis.* 2006 Feb 15;42(4):578-9; author reply 579-80.

Angelakis E, Billeter SA, Breitschwerdt EB, Chomel BB, Raoult D. Potential for tick-borne bartonelloses. *Emerg Infect Dis.* 2010 Mar;16(3):385-91. Review.

Angelakis E, Biswas S, Taylor C, Raoult D, Rolain JM. Heterogeneity of susceptibility to fluoroquinolones in *Bartonella* isolates from Australia reveals a natural mutation in *gyrA*. *J Antimicrob Chemother.* 2008 Jun;61(6):1252-5. Epub 2008 Mar 10.

Angelakis E, Edouard S, La Scola B, Raoult D. *Bartonella henselae* in skin biopsy specimens of patients with cat-scratch disease. *Emerg Infect Dis.* 2010 Dec;16(12):1963-5.

Angelakis E, Khamphoukeo K, Grice D, Newton PN, Roux V, Aplin K, Raoult D, Rolain JM. Molecular detection of *Bartonella* species in rodents from the Lao PDR. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:95-7. Epub 2009 Apr 3.

Angelakis E, Lepidi H, Canel A, Rispal P, Perraudeau F, Barre I, Rolain JM, Raoult D. Human case of *Bartonella alsatica* lymphadenitis. *Emerg Infect Dis.* 2008 Dec;14(12):1951-3.

Angelakis E, Pulcini C, Waton J, Imbert P, Socolovschi C, Edouard S, Dellamonica P, Raoult D. Scalp eschar and neck lymphadenopathy caused by *Bartonella henselae* after Tick Bite. *Clin Infect Dis.* 2010 Feb 15;50(4):549-51.

Angelakis E, Raoult D, Rolain JM. Molecular characterization of resistance to fluoroquinolones in *Bartonella henselae* and *Bartonella quintana*. *J Antimicrob Chemother.* 2009 Jun;63(6):1288-9. Epub 2009 Apr 15.

Angelakis E, Rolain JM, Raoult D, Brouqui P. *Bartonella quintana* in head louse nits. *FEMS Immunol Med Microbiol*. 2011 Jul;62(2):244-6. Epub 2011 May 5.

Angelakis E, Roux V, Raoult D, Rolain JM. Real-time PCR strategy and detection of bacterial agents of lymphadenitis. *Eur J Clin Microbiol Infect Dis*. 2009 Nov;28(11):1363-8. Epub 2009 Aug 14.

Anghel G, De Rosa L, Ruscio C, et al. Efficacy of imatinib mesylate in a patient with idiopathic hypereosinophilic syndrome and severe heart involvement. *Tumori*. 2005;91(1):67-70.

Angibaud G, Balague JP, Lafontan JF. *Bartonella hensalae* encephalopathy. *Presse Med*. 2005;34(4):297-298.

Anigstein L, Anigstein DM. Effects of selected tissue antisera--spleen-bone marrow, brain, thyroid, pancreas, pituitary, thymus, etc.--*in vivo* or *in vitro*: a review covering 30 years researches at the University of Texas Medical Branch. *Tex Rep Biol Med*. 1974 Summer;32(2):369-90. Review.

Antonara S, Chafel RM, LaFrance M, Coburn J. *Borrelia burgdorferi* Adhesins Identified Using In Vivo Phage Display. *Mol Microbiol*. 2007 October; 66(1): 262–276. Published online 2007 September 3.

Antonara S, Ristow L, Coburn J. Adhesion mechanisms of *Borrelia burgdorferi*. *Adv Exp Med Biol*. 2011;715:35-49. Review.

Arav-Boger R, Crawford T, Steere AC, Halsey NA. Cerebellar ataxia as the presenting manifestation of Lyme disease. *Pediatr Infect Dis J*. 2002 Apr;21(4):353-6.

Arimitsu Y, Seki M, Nakao M, Miyamoto K. Comparison of antibody titers against borrelial strains isolated in Japan by the microcapsule agglutination test for serological studies of early Lyme disease. *Microbiol Immunol*. 1994;38(4):269-72.

Armengol CE, Hendley JO. Cat-scratch disease encephalopathy: a cause of status epilepticus in school-aged children. *J Pediatr.* 1999 May;134(5):635-8.

Armstrong PM, Katavolos P, Caporale DA, Smith RP, Spielman A, Telford SR III. Diversity of Babesia infecting deer ticks (*Ixodes dammini*). *Am J Trop Med Hyg.* 1998;58:739-42.

Arvand M, Feil EJ, Giladi M, Boulouis HJ, Viezens J. Multi-locus sequence typing of *Bartonella henselae* isolates from three continents reveals hypervirulent and feline-associated clones. *PLoS One.* 2007 Dec 19;2(12):e1346.

Arvand M, Raoult D, Feil EJ. Multi-locus sequence typing of a geographically and temporally diverse sample of the highly clonal human pathogen *Bartonella quintana*. *PLoS One.* 2010 Mar 19;5(3):e9765.

Arvand M, Schäd SG. Isolation of *Bartonella henselae* DNA from the peripheral blood of a patient with cat scratch disease up to 4 months after the cat scratch injury. *J Clin Microbiol.* 2006 Jun;44(6):2288-90.

Arvand M, Schubert H, Viezens J. Emergence of distinct genetic variants in the population of primary *Bartonella henselae* isolates. *Microbes Infect.* 2006 Apr;8(5):1315-20. Epub 2006 Mar 15.

Arvand M, Viezens J. Evaluation of pulsed-field gel electrophoresis and multi-locus sequence typing for the analysis of clonal relatedness among *Bartonella henselae* isolates. *Int J Med Microbiol.* 2007 Jul;297(4):255-62. Epub 2007 Mar 30.

Asad S, Sweeney J, Mermel LA. Transfusion-transmitted babesiosis in Rhode Island. *Transfusion.* 2009 Dec;49(12):2564-73. Epub 2009 Sep 16.

Asano T, Ichiki K, Koizumi S, Kaizu K, Hatori T, Fujino O. High prevalence of antibodies against *Bartonella henselae* with cervical lymphadenopathy in children. *Pediatr Int.* 2010 Aug;52(4):533-5.

Asch ES, Bujak DI, Weiss M, Peterson MG, Weinstein A. Lyme disease: an infectious and postinfectious syndrome. *J Rheumatol.* 1994 Mar;21(3):454-61.

Asensio Sanchez VM, Corral Azor A, Bartolome Aragon A, De Paz Garcia M. [Diplopia as the first manifestation of Lyme disease]. [Article in Spanish]. *Arch Soc Esp Oftalmol.* 2003 Jan;78(1):51-4.

Asensio-Sánchez VM, Rodríguez-Delgado B, García-Herrero E, Cabo-Vaquera V, García-Loygorri C. [Serous macular detachment as an atypical sign in cat scratch disease]. [Article in Spanish]. *Arch Soc Esp Oftalmol.* 2006 Dec;81(12):717-9. Review.

Atamanyuk I, Raja SG, Kostolny M. *Bartonella henselae* endocarditis of percutaneously implanted pulmonary valve: a case report. *J Heart Valve Dis.* 2011 Jan;20(1):94-7.

Atlas E, Novak SN, Duray PH, Steere AC. Lyme myositis: muscle invasion by *Borrelia burgdorferi*. *Ann Intern Med.* 1988 Aug 1;109(3):245-6.

Atovaquone. Drug Facts and Comparisons 2006. Wolters Kluwer Health. St. Louis, Missouri; p.1915.

Augustijns P, D'Hulst A, Van Daele J, Kinget R. Transport of artemisinin and sodium artesunate in Caco-2 intestinal epithelial cells. *J Pharm Sci.* 1996 Jun;85(6):577-9.

Ault P, Cortes J, Koller C, Kaled ES, Kantarjian H. Response of idiopathic hypereosinophilic syndrome to treatment with imatinib mesylate. *Leuk Res.* 2002;26(9):881-884.

Aupy B, Conessa C, Clement P, Roguet E, Poncet JL. [Cat scratch disease: a diagnosis to be aware of!]. [Article in French]. *Rev Laryngol Otol Rhinol (Bord).* 2008;129(1):53-6.

Auwaerter PG, Bakken JS, Dattwyler RJ, Dumler JS, Halperin JJ, McSweegan E, Nadelman RB, O'Connell S, Shapiro ED, Sood SK, Steere AC, Weinstein A, Wormser GP. Antiscience and ethical concerns associated with advocacy of Lyme disease. *Lancet Infect Dis.* 2011 Sep;11(9):713-9.

Auwaerter PG, Bakken JS, Dattwyler RJ, Dumler JS, Halperin JJ, McSweegan E, Nadelman RB, O'Connell S, Sood SK, Weinstein A, Wormser GP. Scientific evidence and best patient care practices should guide the ethics of Lyme disease activism. *J Med Ethics.* 2011 Feb;37(2):68-73. Epub 2010 Nov 21.

Awad A. Case 1-1998: a boy with a seizure. *N Engl J Med.* 1998;338(21):1549-1550.

Axford JS, Rees DH, Mageed RA, Wordsworth P, Alavi A, Steere AC. Increased IgA rheumatoid factor and V(H)1 associated cross reactive idiotype expression in patients with Lyme arthritis and neuroborreliosis. *Ann Rheum Dis.* 1999 Dec;58(12):757-61.

Axford JS, Watts RA, Long AA, Isenberg DA, Steere AC. Expression of public idiotypes in patients with Lyme arthritis. *Ann Rheum Dis.* 1993 Mar;52(3):199-205.

“Babesiosis”. Family Practice Notebook.com. Available from: <http://fnotebook.com/ID219.htm>. Accessed June 30, 2006.

Babu RV, Sharma G. A 57-year-old man with abdominal pain, jaundice, and a history of blood transfusion. *Chest.* 2007 Jul;132(1):347-50.

Bachmann M, Horn K, Rudloff I, Goren I, Holdener M, Christen U, Darsow N, Hunfeld KP, Koehl U, Kind P, Pfeilschifter J, Kraiczy P, Mühl H. Early Production of IL-22 but Not IL-17 by Peripheral Blood Mononuclear Cells Exposed to live *Borrelia burgdorferi*: The Role of Monocytes and Interleukin-1. *PLoS Pathog.* 2010 October; 6(10): e1001144. Published online 2010 October 14.

Backert S, Meyer TF. Type IV secretion systems and their effectors in bacterial pathogenesis. *Curr Opin Microbiol.* 2006 Apr;9(2):207-17. Epub 2006 Mar 9. Review.

Bacon RM, Biggerstaff BJ, Schriefer ME, Gilmore RD Jr, Philipp MT, Steere AC, Wormser GP, Marques AR, Johnson BJ. Serodiagnosis of Lyme disease by kinetic enzyme-linked immunosorbent assay using recombinant VlsE1 or peptide antigens of *Borrelia burgdorferi* compared with 2-tiered testing using whole-cell lysates. *J Infect Dis.* 2003 Apr 15;187(8):1187-99. Epub 2003 Apr 2.

Badiaga S, Brouqui P, Raoult D. Autochthonous epidemic typhus associated with *Bartonella quintana* bacteremia in a homeless person. *Am J Trop Med Hyg.* 2005 May;72(5):638-9.

Badiaga S, Raoult D, Brouqui P. Preventing and controlling emerging and reemerging transmissible diseases in the homeless. *Emerg Infect Dis.* 2008 Sep;14(9):1353-9.

Bai HM, Yang FL, Yang H, Zhang Q. [Study on *Bartonella* species in rodents in western Yunnan, China].[Article in Chinese]. *Zhonghua Liu Xing Bing Xue Za Zhi.* 2005 Nov;26(11):868-70.

Bai Y, Kosoy MY, Boonmar S, Sawatwong P, Sangmaneedet S, Peruski LF. Enrichment culture and molecular identification of diverse *Bartonella* species in stray dogs. *Vet Microbiol.* 2010 Dec 15;146(3-4):314-9. Epub 2010 May 12.

Bai Y, Kosoy MY, Lerdthusnee K, Peruski LF, Richardson JH. Prevalence and genetic heterogeneity of *Bartonella* strains cultured from rodents from 17 provinces in Thailand. *Am J Trop Med Hyg.* 2009 Nov;81(5):811-6.

Bai Y, Kosoy M, Martin A, Ray C, Sheff K, Chalcraft L, Collinge SK. Characterization of *Bartonella* strains isolated from black-tailed prairie dogs (*Cynomys ludovicianus*). *Vector Borne Zoonotic Dis.* 2008 Spring;8(1):1-5.

Bai Y, Kosoy M, Recuenco S, Alvarez D, Moran D, Turmelle A, Ellison J, Garcia DL, Estevez A, Lindblade K, Rupprecht C. Bartonella spp. in Bats, Guatemala. *Emerg Infect Dis.* 2011 Jul;17(7):1269-72.

Bai Y, Montgomery SP, Sheff KW, Chowdhury MA, Breiman RF, Kabeya H, Kosoy MY. Bartonella strains in small mammals from Dhaka, Bangladesh, related to Bartonella in America and Europe. *Am J Trop Med Hyg.* 2007 Sep;77(3):567-70.

Bajard A, Chabaud S, Pérol D, Boissel JP, Nony P. Revisiting the level of evidence in randomized controlled clinical trials: A simulation approach. *Contemp Clin Trials.* 2009. Sep;30(5):400-10. Epub 2009 Jul 1.

Baker J, Ruiz-Rodriguez R, Whitfeld M, Heon V, Berger TG. Bacillary angiomatosis: a treatable cause of acute psychiatric symptoms in human immunodeficiency virus infection. *J Clin Psychiatry.* 1995;56(4):161-166.

Bakken LL, Case KL, Callister SM, et al. Performance of 45 laboratories participating in a proficiency testing program for Lyme Disease serology. *JAMA.* 1992;268:891-895.

Balakrishnan N, Menon T, Fournier PE, Raoult D. Bartonella quintana and Coxiella burnetii as causes of endocarditis, India. *Emerg Infect Dis.* 2008 Jul;14(7):1168-9.

Balfour A. The infective granule in certain protozoal infections, as illustrated by the spirochaetosis of Sudanese fowl. 1911. *British Medical Journal,* 1:752.

Baltimore RS, Shapiro ED. Lyme disease. *Pediatr Rev.* 1994 May;15(5):167-73; quiz 174. Review.

Baneth G, Breitschwerdt EB, Hegarty BC, Pappalardo B, Ryan J. A survey of tick-borne bacteria and protozoa in naturally exposed dogs from Israel. *Vet Parasitol.* 1998 Jan 31;74(2-4):133-42.

Baneth G, Kordick DL, Hegarty BC, Breitschwerdt EB. Comparative seroreactivity to *Bartonella henselae* and *Bartonella quintana* among cats from Israel and North Carolina. *Vet Microbiol.* 1996 May;50(1-2):95-103.

Bangchang K, Le TD, Thrinh KA, Karbwang J. Pharmacokinetics of a single oral dose of dihydroartemisinin in Vietnamese healthy volunteers. *Southeast Asian J Trop Med Public Health.* 1999;30:11-6.

Banik S, Terekhova D, Iyer R, Pappas CJ, Caimano MJ, Radolf JD, Schwartz I. BB0844, an RpoS-regulated protein, is dispensable for *Borrelia burgdorferi* infectivity and maintenance in the mouse-tick infectious cycle. *Infect Immun.* 2011 Mar;79(3):1208-17. Epub 2010 Dec 20.

Bapiro TE, Sayi J, Hasler JA, Jande M, Rimoy G, Masselle A, Masimirembwa CM. Artemisinin and thiabendazole are potent inhibitors of cytochrome P450 1A2 (CYP1A2) activity in humans. *Eur J Clin Pharmacol.* 2005;61:755-61. [Epub 2005 Oct 29].

Bar KJ, Jochum T, Hager F, Meissner W, Sauer H. Painful hallucinations and somatic delusions in a patient with the possible diagnosis of neuroborreliosis. *Clin J Pain.* 21(4):362-3. 2005.

Barber RM, Li Q, Diniz PP, Porter BF, Breitschwerdt EB, Claiborne MK, Birkenheuer AJ, Levine JM, Levine GJ, Chandler K, Kenny P, Nghiem P, Wei S, Greene CE, Kent M, Platt SR, Greer K, Schatzberg SJ. Evaluation of brain tissue or cerebrospinal fluid with broadly reactive polymerase chain reaction for *Ehrlichia*, *Anaplasma*, spotted fever group *Rickettsia*, *Bartonella*, and *Borrelia* species in canine neurological diseases (109 cases). *J Vet Intern Med.* 2010 Mar-Apr;24(2):372-8.

Barbet AF. Persistence mechanisms in tick-borne diseases. *Onderstepoort J Vet Res.* 2009 Mar;76(1):53-8.

Barbier F, Fournier PE, Dauge MC, Gallien S, Raoult D, Andremont A, Ruimy R. Bartonella quintana coinfection in *Staphylococcus aureus* endocarditis: usefulness of screening in high-risk patients? *Clin Infect Dis.* 2009 May 1;48(9):1332-3.

Barbour AG, Bunikis J, Travinsky B, Hoen AG, Diuk-Wasser MA, Fish D, Tsao JI. Niche partitioning of *Borrelia burgdorferi* and *Borrelia miyamotoi* in the same tick vector and mammalian reservoir species. *Am J Trop Med Hyg.* 2009 Dec;81(6):1120-31.

Barbour AG, Burgdorfer W, Grunwaldt E, Steere AC. Antibodies of patients with Lyme disease to components of the *Ixodes dammini* spirochete. *J Clin Invest.* 1983 Aug;72(2):504-15.

Barbour AG, Jasinskas A, Kayala MA, Davies DH, Steere AC, Baldi P, Felgner PL. A genome-wide proteome array reveals a limited set of immunogens in natural infections of humans and white-footed mice with *Borrelia burgdorferi*. *Infect Immun.* 2008 Aug;76(8):3374-89. Epub 2008 May 12.

Barbour AG, Hayes SF. Biology of *Borrelia* species. 1986. *Microbiol Rev.* 50:381-400.

Barbour AG, Putteet-Driver AD, Bunikis J. Horizontally acquired genes for purine salvage in *Borrelia* spp. causing relapsing fever. *Infect Immun.* 2005 Sep;73(9):6165-8.

Barbour AG, Todd WJ, Stoenner HG. Action of penicillin on *Borrelia hermsii*. 1982. *Antimicrobial Agents & Chemotherapy,* 21:823-9.

Barnett W, Sigmund D, Roelcke U, Mundt C. Endogenous paranoid-hallucinatory syndrome caused by *Borrelia encephalitis*. *Nervenarzt,* 62(7):445-7. 1991.

Barratt JL, Harkness J, Marriott D, Ellis JT, Stark D. Importance of nonenteric protozoan infections in immunocompromised people. *Clin Microbiol Rev.* 2010 Oct;23(4):795-836. Review.

Barthold SW, de Souza MS, Janotka JL, Smith AL, Persing DH. Chronic Lyme borreliosis in the laboratory mouse. Am J Path. 1993;143(3):959-71.

Barthold SW, Hodzic E, Imai D, Feng S, Yang X, Luft BJ. Ineffectiveness of Tigecycline against persistent *Borrelia Burgdorferi*. 2010. Antimicro Agents Chemother, 54(2):643-51.

Barthold SW, Moody KD, Terwilliger GA, Duray PH, Jacoby RO, Steere AC. Experimental Lyme arthritis in rats infected with *Borrelia burgdorferi*. J Infect Dis. 1988 Apr;157(4):842-6.

Barthold SW, Moody KD, Terwilliger GA, Jacoby RO, Steere AC. An animal model for Lyme arthritis. Ann N Y Acad Sci. 1988;539:264-73.

Bartosik K, Lachowska-Kotowska P, Szymańska J, Pabis A, Buczek A. Lyme borreliosis in south-eastern Poland: relationships with environmental factors and medical attention standards. Ann Agric Environ Med. 2011 Jun;18(1):131-7.

Baspinar O, Bayraktaroglu Z, Karsligil T, Bayram A, Coskun Y. A rare cause of anemia and thrombocytopenia in a newborn: congenital malaria. Turk J Pediatr. Department of Pediatrics, Gaziantep University Faculty of Medicine, Gaziantep, Turkey. 2006 Jan-Mar;48(1):63-5.

Bass JW, Vincent JM, Person DA. The expanding spectrum of *Bartonella* infections: II. Cat-scratch disease. Pediatr Infect Dis J. 1997;16(2):163-179.

Battafarano DF, Combs JA, Enzenauer RJ, Fitzpatrick JE. Chronic septic arthritis caused by *Borrelia burgdorferi*. 1993. Clinical Orthop, 297:238-41.

Battisti JM, Minnick MF. Laboratory maintenance of *Bartonella quintana*. Curr Protoc Microbiol. 2008 Aug;Chapter 3:Unit 3C.1.1-3C.1.13.

Battisti JM, Sappington KN, Smitherman LS, Parrow NL, Minnick MF. Environmental signals generate a differential and coordinated expression of the heme receptor gene family of *Bartonella quintana*. *Infect Immun.* 2006 Jun;74(6):3251-61.

Battisti JM, Smitherman LS, Sappington KN, Parrow NL, Raghavan R, Minnick MF. Transcriptional regulation of the heme binding protein gene family of *Bartonella quintana* is accomplished by a novel promoter element and iron response regulator. *Infect Immun.* 2007 Sep;75(9):4373-85. Epub 2007 Jun 18.

Batty KT, Davis TM, Thu LT, Binh TQ, Anh TK, Ilett KF. Selective high-performance liquid chromatographic determination of artesunate and alpha- and beta-dihydroartemisinin in patients with falciparum malaria. *J Chromatogr B Biomed Appl.* 1996 Mar 3;677:345-350.

Batty KT, Thu LT, Davis TM, Ilett KF, Mai TX, Hung NC, Tien NP, Powell SM, Thien HV, Binh TQ, Kim NV. A pharmacokinetic and pharmacodynamic study of intravenous vs oral artesunate in uncomplicated falciparum malaria. *Br J Clin Pharmacol.* 1998 Feb;45:123-9.

Batty KT, Iletr KE, Powell SM, Martin J, Davis TM. Relative bioavailability of artesunate and dihydroartemisinin: investigations in the isolated perfused rat liver and in healthy Caucasian volunteers. *Am J Trop Med Hyg.* 2002;66:130-6.

Baty G, Lanotte P, Hocqueloux L, Prazuck T, Bret L, Romano M, Mereghetti L. [PCR rDNA 16S used for the etiological diagnosis of blood culture negative endocarditis].[Article in French]. *Med Mal Infect.* 2010 Jun;40(6):358-62. Epub 2009 Sep 30. Review.

Bauer J, Leitz G, Palmedo G, Hugel H. Anetoderma: Another facet of Lyme disease? *J Am Acad Dermatol.* 2003 May;48(5 Suppl):S86-8.

Baumeister S, Wiesner J, Reichenberg A, Hintz M, Bietz S, Harb OS, Roos DS, Kordes M, Friesen J, Matuschewski K, Lingelbach K, Jomaa H, Seeber F. Fosmidomycin uptake into Plasmodium and Babesia-infected erythrocytes is facilitated by parasite-induced new permeability pathways. PLoS One. 2011 May 4;6(5):e19334.

Bayard-Mc Neeley M, Bansal A, Chowdhury I, Girao G, Small CB, Seiter K, Nelson J, Liveris D, Schwartz I, Mc Neeley DF, Wormser GP, Aguero-Rosenfeld ME. In vivo and in vitro studies on Anaplasma phagocytophilum infection of the myeloid cells of a patient with chronic myelogenous leukaemia and human granulocytic ehrlichiosis. J Clin Pathol. 2004 May; 57(5): 499–503.

Bayer ME, Zhang L, Bayer MH. Borrelia burgdorferi DNA in the urine of treated patients with chronic Lyme disease symptoms. A PCR study of 97 cases. Infection. 1996 Sep-Oct;24(5):347-53.

Baylor P, Garoufi A, Karpathios T, Lutz J, Mogelof J, Moseley D. Transverse myelitis in 2 patients with Bartonella henselae infection (cat scratch disease). Clin Infect Dis. 2007 Aug 15;45(4):e42-5. Epub 2007 Jul 5.

Bazovska S, Durovska J, Derdakova M, Taragelova V, Pancak J, Zaborska M, Traubner P. The genospecies *B. burgdorferi* s.l., isolated from ticks and from neurological patients with suspected Lyme borreliosis. Neuro Endocrinol Lett. 2011;32(4):491-5.

Bazovská S, Durovská J, Pancák J, Záborská M, Derdáková M. [Lyme borreliosis and demyelinating disease of the central nervous system]. [Article in Czech]. Epidemiol Mikrobiol Imunol. 2011 Feb;60(1):45-7.

Beard AW, Maggi RG, Kennedy-Stoskopf S, Cherry NA, Sandfoss MR, DePerno CS, Breitschwerdt EB. *Bartonella* spp. in feral pigs, southeastern United States. Emerg Infect Dis. 2011 May;17(5):893-5.

Beare PA, Sandoz KM, Omsland A, Rockey DD, Heinzen RA. Advances in Genetic Manipulation of Obligate Intracellular Bacterial Pathogens. *Front Microbiol.* 2011; 2: 97. Prepublished online 2011 March 14. Published online 2011 May 2.

Beck R, Vojta L, Cerková S, Mrljak V, Margalefi J, Habrun B. Molecular survey of Babesia microti in wild rodents in central Croatia. *Vector Borne Zoonotic Dis.* 2011 Jan;11(1):81-3.

Becker CA, Malandrin L, Depoix D, Larcher T, David PH, Chauvin A, Bischoff E, Bonnet S. Identification of three CCp genes in Babesia divergens: novel markers for sexual stages parasites. *Mol Biochem Parasitol.* 2010 Nov;174(1):36-43. Epub 2010 Jul 21.

Becker JL. Vector-borne illnesses and the safety of the blood supply. *Curr Hematol Rep.* 2003 Nov;2(6):511-7. Review.

Beermann C, Wunderli-Allenspach H, Groscurth P, Filgueira L. Lipoproteins from *Borrelia burgdorferi* applied in liposomes and presented by dendritic cells induce CD8(+) T lymphocytes in vitro. 2000. *Cell Immunology*, May 1;201(2):124-131.

Begley DW, Edwards TE, Raymond AC, Smith ER, Hartley RC, Abendroth J, Sankaran B, Lorimer DD, Myler PJ, Staker BL, Stewart LJ. Inhibitor-bound complexes of dihydrofolate reductase-thymidylate synthase from *Babesia bovis*. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2011 Sep 1;67(Pt 9):1070-7. Epub 2011 Aug 16.

Behera AK, Hildebrand E, Szafranski J, Hung HH, Grodzinsky AJ, Lafyatis R, Koch AE, Kalish R, Perides G, Steere AC, Hu LT. Role of aggrecanase 1 in Lyme arthritis. *Arthritis Rheum.* 2006 Oct;54(10):3319-29.

Behera AK, Hildebrand E, Scagliotti J, Steere AC, Hu LT. Induction of host matrix metalloproteinases by *Borrelia burgdorferi* differs in human and murine lyme arthritis. *Infect Immun.* 2005 Jan;73(1):126-34.

Bellissimo-Rodrigues F, da Fonseca BA, Martinez R. Bacillary angiomatosis in a pregnant woman. *Int J Gynaecol Obstet.* 2010 Oct;111(1):85-6. Epub 2010 Jul 21.

Belloni B, Andres C, Ring J, Hofmann H. [5-yr-old with borrelial lymphocytoma].[Article in German]. *MMW Fortschr Med.* 2011 Mar 10;153(10):40.

Belongia EA. Epidemiology and impact of coinfections acquired from Ixodes ticks. *Vector Borne Zoonotic Dis.* 2002 Winter;2(4):265-73.

Ben Slama L, Hasni W, Royer B. [Cat-scratch disease localisation in the parotid gland]. [Article in French]. *Rev Stomatol Chir Maxillofac.* 2008 Jun;109(3):183-6. Epub 2008 Jun 3.

Benach JL, Bosler EM, Hanrahan JP, Coleman JL, Habicht GS, Bast TF, Cameron DJ, Ziegler JL, Barbour AG, Burgdorfer W, Edelman R, Kaslow RA. Spirochetes isolated from the blood of two patients with Lyme disease. *N Engl J Med.* 1983 Mar 31;308(13):740-2.

Benach JL, Coleman JL, Habicht GS, MacDonald A, Grunwaldt E, Giron JA. Serological evidence for simultaneous occurrences of Lyme disease and babesiosis. *J Infect Dis.* 1985 Sept;152(3):473-7.

Benach JL, Coleman JL. Overview of spirochetal infections. In "Lyme Disease," ed. P. Coyle, M.D. St. Louis; Mosby-Year Book, Inc. 1993.

Benakis A, Binh TQ, Keundjian A, Scheiwe MW. Pharmacokinetics/ Pharmacodynamics findings after repeated administration of ARTESUNATE thermostable suppositories (RECTOCAPS) in Vietnamese patients with uncomplicated malaria. *Eur J Drug Metab Pharmacokinet.* 2006 Jan-Mar;31(1):41-5.

Ben-Ami R, Ephros M, Avidor B, Katchman E, Varon M, Leibowitz C, Comaneshter D, Giladi M. Cat-scratch disease in elderly patients. *Clin Infect Dis.* 2005 Oct 1;41(7):969-974.

Benoit VM, Fischer JR, Lin YP, Parveen N, Leong JM. Allelic variation of the Lyme disease spirochete adhesin DbpA influences spirochetal binding to decorin, dermatan sulfate, and mammalian cells. *Infect Immun.* 2011 Sep;79(9):3501-9. Epub 2011 Jun 27.

Benslimani A, Fenollar F, Lepidi H, Raoult D. Bacterial zoonoses and infective endocarditis, Algeria. *Emerg Infect Dis.* 2005 Feb;11(2):216-24.

Bentzel DE, Espinosa BJ, Canal E, Blazes DL, Hall ER. Susceptibility of owl monkeys (*Aotus nancymaae*) to experimental infection with *Bartonella bacilliformis*. *Comp Med.* 2008 Feb;58(1):76-80.

Berardi VP, Weeks KE, Steere AC. Serodiagnosis of early Lyme disease: analysis of IgM and IgG antibody responses by using an antibody-capture enzyme immunoassay. *J Infect Dis.* 1988 Oct;158(4):754-60.

Berger BW. Treating erythema chronicum migrans of Lyme disease. 1986. *Journal of Am Acad Dermatology,* Sep;15(3):459-63.

Berger BW. Treatment of erythema chronicum migrans of Lyme disease. 1988. *Annals of the New York Academy of Sciences,* 539:346-51.

Berger BW, Kaplan MH, Rotherberg IR, Barbour AG. Isolation and characterization of the Lyme disease spirochete from the skin of patients with erythema chronicum migrans. *J Am Acad Dermatol,* 13:444-449. 1985.

Berger TG, Dieckmann D, Efferth T, Schultz ES, Funk JO, Baur A, Schuler G. Artesunate in the treatment of metastatic uveal melanoma—first experiences. *Oncol. Rep.* 2005;14:1599-603.

Berghoff J, Viezens J, Guptill L, Fabbi M, Arvand M. *Bartonella henselae* exists as a mosaic of different genetic variants in the infected host. *Microbiology.* 2007 Jul;153(Pt 7):2045-51.

Berglund EC, Ehrenborg C, Vinnere Pettersson O, Granberg F, Näslund K, Holmberg M, Andersson SG. Genome dynamics of *Bartonella grahamii* in micro-populations of woodland rodents. *BMC Genomics*. 2010 Mar 4;11:152.

Berglund EC, Ellegaard K, Granberg F, Xie Z, Maruyama S, Kosoy MY, Birtles RJ, Andersson SG. Rapid diversification by recombination in *Bartonella grahamii* from wild rodents in Asia contrasts with low levels of genomic divergence in Northern Europe and America. *Mol Ecol*. 2010 Jun;19(11):2241-55. Epub 2010 May 6.

Berglund EC, Frank AC, Calteau A, Vinnere Pettersson O, Granberg F, Eriksson AS, Näslund K, Holmberg M, Lindroos H, Andersson SG. Run-off replication of host-adaptability genes is associated with gene transfer agents in the genome of mouse-infecting *Bartonella grahamii*. *PLoS Genet*. 2009 Jul;5(7):e1000546. Epub 2009 Jul 3.

Berguiga M, Abouzeid H, Bart PA, Guex-Crosier Y. Severe occlusive vasculitis as a complication of cat scratch disease. *Klin Monbl Augenheilkd*. 2008 May;225(5):486-7.

Bernit E, Veit V, La Scola B, Tissot-Dupont H, Gachon J, Raoult D, Harlé JR. *Bartonella quintana* and *Mycobacterium tuberculosis* coinfection in an HIV-infected patient with lymphadenitis. *J Infect*. 2003 May;46(4):244-6.

Berrick M, Kieda C, Grillon C, Monteil M, Lamerant N, Gavard J, Boulouis HJ, Haddad N. Differential effects of *Bartonella henselae* on human and feline macro- and micro-vascular endothelial cells. *PLoS One*. 2011;6(5):e20204. Epub 2011 May 27.

Bertrand E, Szpak GM, Pilkowska E, Habib N, Lipczynska-Lojkowska W, et al. Central nervous system infection caused by *Borrelia burgdorferi*. Clinico-pathological correlation of three post-mortem cases. *Folia Neuropathol*; 37(1):43-51. 1999.

Bhamhani N, Disla E, Cuppari G. Lyme disease presenting with sequential episodes of ruptured baker cysts. *J Clin Rheumatol*, 12(3). 2006.

Bhate C, Schwartz RA. Lyme disease: Part I. Advances and perspectives. *J Am Acad Dermatol*. 2011 Apr;64(4):619-36; quiz 637-8. Review.

Bhattacharya D, Bensaci M, Luker KE, Luker G, Wisdom S, Telford SR, Hu LT. Development of a baited oral vaccine for use in reservoir-targeted strategies against Lyme disease. *Vaccine*. 2011 Oct 13;29(44):7818-25. Epub 2011 Aug 2

Bhatti Z, Berenson CS. Adult systemic cat scratch disease associated with therapy for hepatitis C. *BMC Infect Dis*. 2007 Feb 23;7:8.

Bhengsri S, Baggett HC, Peruski LF Jr, Morway C, Bai Y, Fisk TL, Sitdhirasdr A, Maloney SA, Dowell SF, Kosoy M. *Bartonella* spp. infections, Thailand. *Emerg Infect Dis*. 2010 Apr;16(4):743-5.

Bhengsri S, Baggett HC, Peruski LF, Morway C, Bai Y, Fisk TL, Sitdhirasdr A, Maloney SA, Dowell SF, Kosoy M. *Bartonella* seroprevalence in rural Thailand. *Southeast Asian J Trop Med Public Health*. 2011 May;42(3):687-92.

Bhide MR, Mucha R, Mikula I Jr, Kisova L, Skrabana R, Novak M, Mikula I Sr. Novel mutations in TLR genes cause hyporesponsiveness to *Mycobacterium avium* subsp. *paratuberculosis* infection. *BMC Genet*. 2009; 10: 21. Published online 2009 May 26.

Bialasiewicz AA, Huk W, Druschky KF, Naumann GO. *Borrelia burgdorferi* infection with bilateral optic neuritis and intracerebral demyelinization lesions. *Klin Monbl Augenheilkd*. 1989 Aug;195(2):91-4.

Bianda JC, Dedes W. [Positive polymerase chain reaction for *Bartonella henselae* in conjunctival granuloma].[Article in German]. *Klin Monbl Augenheilkd*. 2009 Apr;226(4):347. Epub 2009 Apr 21.

Bidder PD, Isselbacher EM, Fan D, Shepard JA. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5-2005. A 53-year-old man with depression and sudden shortness of breath. *N Engl J Med.* 2005 Feb 17;352(7):709-16.

Bihl F, Castelli D, Marincola F, Dodd RY, Brander C. Transfusion-transmitted infections. *J Transl Med.* 2007; 5: 25. Published online 2007 June 6.

Billeter SA, Blanton HL, Little SE, Levy MG, Breitschwerdt EB. Detection of *Rickettsia amblyommii* in association with a tick bite rash. *Vector Borne Zoonotic Dis.* 2007 Winter;7(4):607-10.

Billeter SA, Diniz PP, Battisti JM, Munderloh UG, Breitschwerdt EB, Levy MG. Infection and replication of *Bartonella* species within a tick cell line. *Exp Appl Acarol.* 2009 Nov;49(3):193-208. Epub 2009 Feb 26.

Billeter SA, Levy MG, Chomel BB, Breitschwerdt EB. Vector transmission of *Bartonella* species with emphasis on the potential for tick transmission. *Med Vet Entomol.* 2008 Mar;22(1):1-15. Review.

Billeter SA, Miller MK, Breitschwerdt EB, Levy MG. Detection of two *Bartonella tamiae*-like sequences in *Amblyomma americanum* (Acari: Ixodidae) using 16S-23S intergenic spacer region-specific primers. *J Med Entomol.* 2008 Jan;45(1):176-9.

Birtles RJ. Bartonellae as elegant hemotropic parasites. *Ann N Y Acad Sci.* 2005 Dec;1063:270-9. Review.

Birtles RJ, Canales J, Ventosilla P, Alvarez E, Guerra H, Llanos-Cuentas A, Raoult D, Doshi N, Harrison TG. Survey of *Bartonella* species infecting intradomicillary animals in the Huayllacallán Valley, Ancash, Peru, a region endemic for human bartonellosis. *Am J Trop Med Hyg.* 1999 May;60(5):799-805.

Birtles RJ, Fry NK, Ventosilla P, Cáceres AG, Sánchez E, Vizcarra H, Raoult D. Identification of *Bartonella bacilliformis* genotypes and their relevance to epidemiological investigations of human bartonellosis. *J Clin Microbiol.* 2002 Oct;40(10):3606-12.

Birtles RJ, Hazel SM, Bennett M, Bown K, Raoult D, Begon M. Longitudinal monitoring of the dynamics of infections due to *Bartonella* species in UK woodland rodents. *Epidemiol Infect.* 2001 Apr;126(2):323-9.

Birtles RJ, Hazel S, Bown K, Raoult D, Begon M, Bennett M. Subtyping of uncultured *bartonellae* using sequence comparison of 16 S/23 S rRNA intergenic spacer regions amplified directly from infected blood. *Mol Cell Probes.* 2000 Apr;14(2):79-87.

Birtles RJ, Raoult D. Comparison of partial citrate synthase gene (*gltA*) sequences for phylogenetic analysis of *Bartonella* species. *Int J Syst Bacteriol.* 1996 Oct;46(4):891-7.

Biswas S, Maggi RG, Papich MG, Breitschwerdt EB. Molecular mechanisms of *Bartonella henselae* resistance to azithromycin, pradofloxacin and enrofloxacin. *J Antimicrob Chemother.* 2010 Mar;65(3):581-2. Epub 2009 Dec 18.

Biswas S, Maggi RG, Papich MG, Keil D, Breitschwerdt EB. Comparative activity of pradofloxacin, enrofloxacin, and azithromycin against *Bartonella henselae* isolates collected from cats and a human. *J Clin Microbiol.* 2010 Feb;48(2):617-8. Epub 2009 Dec 9.

Biswas S, Raoult D, Rolain JM. Molecular characterization of resistance to macrolides in *Bartonella henselae*. *Antimicrob Agents Chemother.* 2006 Sep;50(9):3192-3.

Biswas S, Raoult D, Rolain JM. Molecular mechanisms of resistance to antibiotics in *Bartonella bacilliformis*. *J Antimicrob Chemother.* 2007 Jun;59(6):1065-70. Epub 2007 Apr 21.

Biswas S, Raoult D, Rolain JM. A bioinformatic approach to understanding antibiotic resistance in intracellular bacteria through whole genome analysis. *Int J Antimicrob Agents*. 2008 Sep;32(3):207-20. Epub 2008 Jul 10. Review.

Biswas S, Raoult D, Rolain JM. Molecular mechanism of gentamicin resistance in *Bartonella henselae*. *Clin Microbiol Infect*. 2009 Dec;15 Suppl 2:98-9.

Biswas S, Raoult D, Rolain JM. Molecular characterisation of resistance to rifampin in *Bartonella quintana*. *Clin Microbiol Infect*. 2009 Dec;15 Suppl 2:100-1. Epub 2009 Dec 24.

Biswas S, Rolain JM. *Bartonella* infection: treatment and drug resistance. *Future Microbiol*. 2010 Nov;5(11):1719-31. Review.

Bitam I, Dittmar K, Parola P, Whiting MF, Raoult D. Fleas and flea-borne diseases. *Int J Infect Dis*. 2010 Aug;14(8):e667-76. Epub 2010 Mar 1. Review.

Bitam I, Rolain JM, Kernif T, Baziz B, Parola P, Raoult D. *Bartonella* species detected in rodents and hedgehogs from Algeria. *Clin Microbiol Infect*. 2009 Dec;15 Suppl 2:102-3. Epub 2009 Dec 24.

Black JR, Herrington DA, Hadfield TL, Wear DJ, Margileth AM, Shigekawa B. Life-threatening cat-scratch disease in an immunocompromised host. *Arch Intern Med*. 1986 Feb;146(2):394-6.

Bladen HA, Hampp EG. Ultrastructure of *Treponema microdentium* and *Borrelia vincentii*. 1964. *Journal of Bacteriology*, 87:1180-1191.

Blaho VA, Zhang Y, Hughes-Hanks JM, Brown CR. 5-Lipoxygenase-deficient mice infected with *Borrelia burgdorferi* develop persistent arthritis. *J Immunol*. 2011 Mar 1;186(5):3076-84. Epub 2011 Jan 26.

Blakeley J, Jankovic J. Secondary paroxysmal dyskinesias. *Mov Disord.* 2002 Jul;17(4):726-34.

Blanco JR, Jado I, Marín M, Sanfeliu I, Portillo A, Anda P, Pons I, Oteo JA. [Microbiological diagnosis of emerging bacterial pathogens: Anaplasma, Bartonella, Rickettsia, and Tropheryma whipplei].[Article in Spanish]. *Enferm Infect Microbiol Clin.* 2008 Nov;26(9):573-80. Review.

Blanco JR, Pérez-Martínez L, Vallejo M, Santibáñez S, Portillo A, Oteo JA. Prevalence of rickettsia felis-like and Bartonella spp. in Ctenocephalides felis and Ctenocephalides canis from La Rioja (Northern Spain). *Ann N Y Acad Sci.* 2006 Oct;1078:270-4.

Blanco JR, Raoult D. [Diseases produced by Bartonella].[Article in Spanish]. *Enferm Infect Microbiol Clin.* 2005 May;23(5):313-9; quiz 320. Review.

Blaschitz M, Narodoslavsky-Gföller M, Kanzler M, Stanek G, Walochnik J. Babesia species occurring in Austrian Ixodes ricinus ticks. *Appl Environ Microbiol.* 2008 Aug;74(15):4841-6. Epub 2008 Jun 6.

Blue D, Graves V, McCarthy L, Cruz J, Gregurek S, Smith D. Fatal transfusion-transmitted Babesia microti in the Midwest. *Transfusion.* 2009 Jan;49(1):8. Epub 2008 Aug 6.

Bloom BJ, Wyckoff PM, Meissner HC, Steere AC. Neurocognitive abnormalities in children after classic manifestations of Lyme disease. *Pediatr Infect Dis J.* 1998 Mar;17(3):189-96.

Bodner RA, Lynch T, Lewis L, Kahn D. Serotonin syndrome. *Neurology.* 1995 Feb;45(2):219-223.

Boggs SR, Fisher RG. Bone pain and fever in an adolescent and his sibling. Cat scratch disease (CSD). *Pediatr Infect Dis J.* 2011 Jan;30(1):89, 93-4.

Boillat N, Greub G. [Cat scratch disease and other human infections caused by *Bartonella* species].[Article in French]. Rev Med Suisse. 2008 Apr 9;4(152):901-7. Review.

Bolton JG, Galeckas KJ, Satter EK. Inoculation bartonellosis in an adult: a case report. Cutis. 2010 Jan;85(1):37-42.

Bolz DD, Sundsbak RS, Ma Y, Akira S, Weis JH, Schwan TG, Weis JJ. Dual Role of MyD88 in Rapid Clearance of Relapsing Fever *Borrelia* spp. Infect Immun. 2006 December; 74(12): 6750–6760. Published online 2006 October 9.

Bonatti H, Mendez J, Guerrero I, Krishna M, Ananda-Michel J, Yao J, Steers JL, Hellinger W, Dickson RC, Alvarez S. Disseminated *Bartonella* infection following liver transplantation. Transpl Int. 2006 Aug;19(8):683-7.

Bonhomme CJ, Nappez C, Raoult D. Microarray for serotyping of *Bartonella* species. BMC Microbiol. 2007 Jun 25;7:59.

Bonilla DL, Kabeya H, Henn J, Kramer VL, Kosoy MY. *Bartonella quintana* in body lice and head lice from homeless persons, San Francisco, California, USA. Emerg Infect Dis. 2009 Jun;15(6):912-5.

Bonnet S, Brisseau N, Hermouet A, Jouglin M, Chauvin A. Experimental in vitro transmission of *Babesia* sp. (EU1) by *Ixodes ricinus*. Vet Res. 2009 May-Jun;40(3):21. Epub 2009 Feb 13.

Bonnet S, Jouglin M, Malandrin L, Becker C, Agoulon A, L'hostis M, Chauvin A. Transstadial and transovarial persistence of *Babesia divergens* DNA in *Ixodes ricinus* ticks fed on infected blood in a new skin-feeding technique. Parasitology. 2007 Feb;134(Pt 2):197-207. Epub 2006 Nov 1.

Boonjakuakul JK, Gerns HL, Chen YT, Hicks LD, Minnick MF, Dixon SE, Hall SC, Koehler JE. Proteomic and immunoblot analyses of *Bartonella quintana* total membrane proteins identify antigens recognized by sera from infected patients. *Infect Immun.* 2007 May;75(5):2548-61. Epub 2007 Feb 16.

Boralevi F, Léauté-Labrèze C, Lepreux S, Barbarot S, Mazereeuw-Hautier J, Eschard C, Taïeb A; Groupe de Recherche Clinique en Dermatologie Pédiatrique. Idiopathic facial aseptic granuloma: a multicentre prospective study of 30 cases. *Br J Dermatol.* 2007 Apr;156(4):705-8.

Borboli S, Afshari NA, Watkins L, Foster CS. Presumed oculoglandular syndrome from *Bartonella quintana*. *Ocul Immunol Inflamm.* 2007 Jan-Feb;15(1):41-3.

Borgoiakov VIu, Fomenko NV, Panov VV, Chikova ED. [Study on the infection of taiga ticks with *Borrelia* in the territory of Novosibirsk Scientific Center SB PAS].[Article in Russian]. *Parazitologiiia.* 2010 Nov-Dec;44(6):543-56.

Bos MP, Tefsen B, Geurtsen J, Tommassen J. Identification of an outer membrane protein required for the transport of lipopolysaccharide to the bacterial cell surface. *Proc Natl Acad Sci U S A.* 2004 June 22; 101(25): 9417–9422. Published online 2004 June 10.

Bouchouicha R, Durand B, Monteil M, Chomel BB, Berrich M, Arvand M, Birtles RJ, Breitschwerdt EB, Koehler JE, Maggi R, Maruyama S, Kasten R, Petit E, Boulouis HJ, Haddad N. Molecular epidemiology of feline and human *Bartonella henselae* isolates. *Emerg Infect Dis.* 2009 May;15(5):813-6.

Boudová L, Kazakov DV, Hes O, Sůrová B,, Neprasova P, Treska V, Fakan F, Michal M. [Pseudolymphoma of the breast nipple. The problem overview.].[Article in Czech]. *Rozhl Chir.* 2005 Feb;84(2):66-9.

Boulouis HJ, Barrat F, Bermond D, Bernex F, Thibault D, Heller R, Fontaine JJ, Piémont Y, Chomel BB. Kinetics of Bartonella birtlesii infection in experimentally infected mice and pathogenic effect on reproductive functions. *Infect Immun.* 2001 Sep;69(9):5313-7.

Boulouis HJ, Chang CC, Henn JB, Kasten RW, Chomel BB. Factors associated with the rapid emergence of zoonotic Bartonella infections. *Vet Res.* 2005;36(3):383-410.

Boulouis HJ, Haddad N, Vayssier-Taussat M, Maillard R, Chomel B. [Persistent Bartonella infection: epidemiological and clinical implications]. [Article in French]. *Bull Acad Natl Med.* 2007 Jun;191(6):1037-44; discussion 1047-9.

Bourré-Tessier J, Milord F, Pineau C, Vinet E. Indigenous Lyme disease in Quebec. *J Rheumatol.* 2011 Jan;38(1):183.

Bradbury CA, Lappin MR. Evaluation of topical application of 10% imidacloprid-1% moxidectin to prevent Bartonella henselae transmission from cat fleas. *J Am Vet Med Assoc.* 2010 Apr 15;236(8):869-73.

Bradley JF, Johnson RC, Goodman JL. The persistence of spirochetal nucleic acids in active Lyme arthritis. 1994. *Annals of Internal Medicine,* 120(6):487-9.

Braga W, Venasco J, Willard L, Moro MH. Ultrastructure of Babesia WA1 (Apicomplexa: Piroplasma) during infection of erythrocytes in a hamster model. *J Parasitol.* 2006 Oct;92(5):1104-7.

Branda JA, Aguero-Rosenfeld ME, Ferraro MJ, Johnson BJ, Wormser GP, Steere AC. 2-tiered antibody testing for early and late Lyme disease using only an immunoglobulin G blot with the addition of a VlsE band as the second-tier test. *Clin Infect Dis.* 2010 Jan 1;50(1):20-6.

Branda JA, Linskey K, Kim YA, Steere AC, Ferraro MJ. Two-tiered antibody testing for Lyme disease with use of 2 enzyme immunoassays, a whole-cell sonicate enzyme immunoassay followed by a VlsE C6 peptide enzyme immunoassay. *Clin Infect Dis.* 2011 Sep;53(6):541-7.

Branigan P, Rao J, Rao J, Gerard H, Hudson A, Williams W, Arayssi T, Pando J, Bayer M, Rothfuss S, Clayburne G, Sieck M, Schumacher HR. PCR evidence for *Borrelia burgdorferi* DNA in synovium in absence of positive serology. *Arthritis Rheum.* 1997 Sep;40(9 Suppl):S270.

Braschler T, Demierre N, Nascimento E, Silva T, Oliva AG, Renaud P. Continuous separation of cells by balanced dielectrophoretic forces at multiple frequencies. *Lab Chip.* 2008 Feb;8(2):280-6. Epub 2007 Nov 15.

Breathnach AS, Hoare JM, Eykyn SJ. Culture-negative endocarditis: contribution of bartonella infections. *Heart.* 1997 May;77(5):474-6.

Brecht A, Stiegler T, Lange J, de Groot K. [Generalized lymphadenitis associated with Hashimoto's thyroiditis].[Article in German]. *Dtsch Med Wochenschr.* 2007 Apr 20;132(16):874-7.

Breier F, Khanakah G, Stanek G, Kunz G, Aberer E, et al. Isolation and polymerase chain reaction typing of *Borrelia afzelii* from a skin lesion in a seronegative patient with generalized ulcerating bullous lichen sclerosus et atrophicus. *Br J Dermatol.* 2001 Feb;144(2):387-92.

Breitschwerdt EB. Feline bartonellosis and cat scratch disease. *Vet Immunol Immunopathol.* 2008 May 15;123(1-2):167-71. Epub 2008 Jan 19. Review.

Breitschwerdt EB, Maggi RG. A confusing case of canine vector-borne disease: clinical signs and progression in a dog co-infected with *Ehrlichia canis* and *Bartonella vinsonii* ssp. *berkhoffii*. *Parasit Vectors.* 2009 Mar 26;2 Suppl 1:S3.

Breitschwerdt EB, Maggi RG. Comparative medical features of canine and human bartonellosis. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:106-7. Epub 2009 Apr 30.

Breitschwerdt EB, Maggi RG, Cadenas MB, de Paiva Diniz PP. A groundhog, a novel *Bartonella* sequence, and my father's death. *Emerg Infect Dis.* 2009 Dec;15(12):2080-6.

Breitschwerdt EB, Maggi RG, Chomel BB, Lappin MR. Bartonellosis: an emerging infectious disease of zoonotic importance to animals and human beings. *J Vet Emerg Crit Care (San Antonio).* 2010 Feb;20(1):8-30. Review.

Breitschwerdt EB, Maggi RG, Duncan AW, Nicholson WL, Hegarty BC, Woods CW. *Bartonella* species in blood of immunocompetent persons with animal and arthropod contact. *Emerg Infect Dis.* 2007 Jun;13(6):938-41.

Breitschwerdt EB, Maggi RG, Farmer P, Mascarelli PE. Molecular evidence of perinatal transmission of *Bartonella vinsonii* subsp. *berkhoffii* and *Bartonella henselae* to a child. *J Clin Microbiol.* 2010 Jun;48(6):2289-93. Epub 2010 Apr 14.

Breitschwerdt EB, Maggi RG, Lantos PM, Woods CW, Hegarty BC, Bradley JM. *Bartonella vinsonii* subsp. *berkhoffii* and *Bartonella henselae* bacteremia in a father and daughter with neurological disease. *Parasit Vectors.* 2010 Apr 8;3(1):29.

Breitschwerdt EB, Maggi RG, Nicholson WL, Cherry NA, Woods CW. *Bartonella* sp. bacteremia in patients with neurological and neurocognitive dysfunction. *J Clin Microbiol.* 2008 Sep;46(9):2856-61. Epub 2008 Jul 16.

Breitschwerdt EB, Maggi RG, Robert Mozayeni B, Hegarty BC, Bradley JM, Mascarelli PE. PCR amplification of *Bartonella koehlerae* from human blood and enrichment blood cultures. *Parasit Vectors.* 2010 Aug 24;3:76.

Breitschwerdt EB, Maggi RG, Sigmon B, Nicholson WL. Isolation of *Bartonella quintana* from a woman and a cat following putative bite transmission. *J Clin Microbiol.* 2007 Jan;45(1):270-2. Epub 2006 Nov 8.

Breitschwerdt EB, Maggi RG, Varanat M, Linder KE, Weinberg G. Isolation of *Bartonella vinsonii* subsp. *berkhoffii* genotype II from a boy with epithelioid hemangioendothelioma and a dog with hemangiopericytoma. *J Clin Microbiol.* 2009 Jun;47(6):1957-60. Epub 2009 Apr 15.

Brenneis C, Scherfler C, Engelhardt K, Helbok R, Brössner G, Beer R, Lackner P, Walder G, Pfausler B, Schmutzhard E. Encephalitis lethargica following *Bartonella henselae* infection. *J Neurol.* 2007 Apr;254(4):546-7. Epub 2007 Mar 12.

Brenner SA, Rooney JA, Manzewitsch P, Regnery RL. Isolation of *Bartonella (Rochalimaea) henselae*: effects of methods of blood collection and handling. *J Clin Microbiol.* 1997 Mar;35(3):544-7.

Brewer TG, Grate SJ, Peggins JO, Weina PJ, Petras JM, Levine BS, Heiffer MH, Schuster BG. Fatal neurotoxicity of arteether and artemether. *Am J Trop Med Hyg.* 1994 Sept;51(3):251-9.

Bridwell KH, Berven S, Edwards C 2nd, Glassman S, Hamill C, Schwab F. The problems and limitations of applying evidence-based medicine to primary surgical treatment of adult spinal deformity. *Spine (Phila Pa 1976).* 2007 Sep 1;32(19 Suppl):S135-9. Review.

Brinar VV, Habek M. Rare infections mimicking MS. *Clin Neurol Neurosurg.* 2010 Sep;112(7):625-8. Epub 2010 May 2.

Brinck T, Hansen K, Olesen J. Headache resembling tension-type headache as the single manifestation of Lyme neuroborreliosis. *Cephalgia.* 1993 Jun;13(3):207-9.

Brinkane A, Crickx L, Leroy Terquem E, Mauger C, Akpan T, Bergheul S, Peschard S, Raheriarisoa H, Gaudin B, Levy R.

[Encephalopathy during cat scratch disease in an adult].[Article in French]. Rev Med Interne. 2001 Jun;22(6):589-90.

Brinkerhoff RJ, Folsom-O'Keefe CM, Streby HM, Bent SJ, Tsao K, Diuk-Wasser MA. Regional variation in immature Ixodes scapularis parasitism on North American songbirds: implications for transmission of the Lyme pathogen, *Borrelia burgdorferi*. J Med Entomol. 2011 Mar;48(2):422-8.

Brisson D, Baxamusa N, Schwartz I, Wormser GP. Biodiversity of *Borrelia burgdorferi* strains in tissues of Lyme disease patients. PLoS One. 2011;6(8):e22926. Epub 2011 Aug 4.

Brogan GX, Homan CS, Viccellio P. The enlarging clinical spectrum of Lyme disease: Lyme cerebral vasculitis, a new disease entity. Ann Emerg Med. 1990 May;19(5):572-6.

Brook I. The bacteriology of salivary gland infections. Oral Maxillofac Surg Clin North Am. 2009 Aug;21(3):269-74. Review.

Brorson O, Brorson SH. Susceptibility of motile and cystic forms of *Borrelia burgdorferi* to ranitidine bismuth citrate. Int Microbiol. 2001 Dec;4(4):209-15.

Brorson O, Brorson SH, Henriksen TH, Skogen PR, Schøyen R. Association between multiple sclerosis and cystic structures in cerebrospinal fluid. Infection. 2001 Dec;29(6):315-9.

Brorson O, Brorson S. An in vitro study of the susceptibility of mobile and cystic forms of *Borrelia burgdorferi* to metronidazole. APMIS. 1999 Jun;107(6):566-576.

Brorson O, Brorson S. A rapid method for generating cystic forms of *Borrelia burgdorferi*, and their reversal to mobile spirochetes. APMIS. 1998 Dec;106(12):1131-1141.

Brorson O, Brorson S. In vitro conversion of *Borrelia burgdorferi* to cystic forms in spinal fluid, and transformation to mobile spirochetes by incubation in BSK-H medium. *Infection*. 1998 May-Jun;26(3):144-50.

Brorson O, Brorson SH. Transformation of cystic forms of *Borrelia burgdorferi* to normal mobile spirochetes. *Infection*. 1997 Jul-Aug;25:240-6.

Brouqui P. Arthropod-borne diseases associated with political and social disorder. *Annu Rev Entomol*. 2011 Jan;56:357-74. Review.

Brouqui P, Bacellar F, Baranton G, Birtles RJ, Bjoërsdorff A, Blanco JR, Caruso G, Cinco M, Fournier PE, Francavilla E, Jensenius M, Kazar J, Laferl H, Lakos A, Lotric Furlan S, Maurin M, Oteo JA, Parola P, Perez-Eid C, Peter O, Postic D, Raoult D, Tellez A, Tsellentis Y, Wilske B; ESCMID Study Group on Coxiella, Anaplasma, Rickettsia and Bartonella; European Network for Surveillance of Tick-Borne Diseases. Guidelines for the diagnosis of tick-borne bacterial diseases in Europe. *Clin Microbiol Infect*. 2004 Dec;10(12):1108-32.

Brouqui P, Houpikian P, Dupont HT, Toubiana P, Obadia Y, Lafay V, Raoult D. Survey of the seroprevalence of *Bartonella quintana* in homeless people. *Clin Infect Dis*. 1996 Oct;23(4):756-9.

Brouqui P, Lascola B, Roux V, Raoult D. Chronic *Bartonella quintana* bacteremia in homeless patients. *N Engl J Med*. 1999 Jan 21;340(3):184-9.

Brouqui P, Raoult D. *Bartonella quintana* invades and multiplies within endothelial cells in vitro and in vivo and forms intracellular blebs. *Res Microbiol*. 1996 Nov-Dec;147(9):719-31.

Brouqui P, Raoult D. Endocarditis due to rare and fastidious bacteria. *Clin Microbiol Rev*. 2001 Jan;14(1):177-207. Review.

Brouqui P, Raoult D. New insight into the diagnosis of fastidious bacterial endocarditis. *FEMS Immunol Med Microbiol.* 2006 Jun;47(1):1-13. Review.

Brouqui P, Raoult D. Arthropod-borne diseases in homeless. *Ann N Y Acad Sci.* 2006 Oct;1078:223-35. Review.

Brouqui P, Stein A, Dupont HT, Gallian P, Badiaga S, Rolain JM, Mege JL, La Scola B, Berbis P, Raoult D. Ectoparasitism and vector-borne diseases in 930 homeless people from Marseilles. *Medicine (Baltimore).* 2005 Jan;84(1):61-8.

Brown JS Jr. Geographic correlation of schizophrenia to ticks and tick-borne encephalitis. *Schizophr Bull.* 1994;20(4):755-75

Bruckner DA, Garcia LS, Shimizu RY, Goldstein EJ, Murray PM, Lazar GS. Babesiosis: problems in diagnosis using autoanalyzers. *Am J Clin Pathol.* 1985 Apr;83(4):520-1.

Brueckner Randomized Dose-Ranging Study of the Safety and Efficacy of WR 238605 (Tafenoquine) in the Prevention of Relapse of Plasmodium vivax Malaria in Thailand. *J Infect Dis.* 1999 Oct;180(4):1282-7.

Bruneval P, Choucair J, Paraf F, Casalta JP, Raoult D, Scherchen F, Mainardi JL. Detection of fastidious bacteria in cardiac valves in cases of blood culture negative endocarditis. *J Clin Pathol.* 2001 Mar;54(3):238-40.

Brunner JL, Cheney L, Keesing F, Killilea M, Logiudice K, Previtali A, Ostfeld RS. Molting success of *Ixodes scapularis* varies among individual blood meal hosts and species. *J Med Entomol.* 2011 Jul;48(4):860-6.

Bryksin AV, Godfrey HP, Carbonaro CA, Wormser GP, Aguero-Rosenfeld ME, Cabello FC. *Borrelia burgdorferi* BmpA, BmpB, and BmpD proteins are expressed in human infection and contribute to P39 immunoblot reactivity in patients with Lyme disease. *Clin Diagn Lab Immunol.* 2005 Aug;12(8):935-40.

Buchmann AU, Kempf VA, Kershaw O, Gruber AD. Peliosis hepatis in cats is not associated with *Bartonella henselae* infections. *Vet Pathol.* 2010 Jan;47(1):163-6.

Buchmann AU, Kershaw O, Kempf VA, Gruber AD. Does a feline leukemia virus infection pave the way for *Bartonella henselae* infection in cats? *J Clin Microbiol.* 2010 Sep;48(9):3295-300. Epub 2010 Jul 7.

Buchholz BM, Bauer AJ. Membrane TLR Signaling Mechanisms in the Gastrointestinal Tract during Sepsis. *Neurogastroenterol Motil.* 2010 March;22(3):232–245.

Buelvas F, Alvis N, Buelvas I, Miranda J, Mattar S. [A high prevalence of antibodies against *Bartonella* and *Babesia microti* has been found in villages and urban populations in Cordoba, Colombia].[Article in Spanish]. *Rev Salud Publica (Bogota)*. 2008 Jan-Feb;10(1):168-77.

Bunikis J, Tsao J, Garpmo U, Berglund J, Fish D, Barbour AG. Typing of *Borrelia* relapsing fever group strains. *Emerg Infect Dis.* 2004 Sep;10(9):1661-4.

Bunnell JE, Price SD, Das A, Shields TM, Glass GE. Geographic information systems and spatial analysis of adult *Ixodes scapularis* (Acari: Ixodidae) in the MiddleAtlantic region of the USA. *J Med Entomol.* 2003;40(4):570-6.

Burbelo PD, Bren KE, Ching KH, Coleman A, Yang X, Kariu T, Iadarola MJ, Pal U. Antibody Profiling of *Borrelia burgdorferi* Infection in Horses. *Clin Vaccine Immunol.* 2011 Sep;18(9):1562-7. Epub 2011 Jul 20.

Burgdorfer W. (Discoverer of *Borrelia burgdorferi*) Keynote Address - The Complexity of Vector-borne Spirochetes. 12th International Conference on Lyme Disease and Other Spirochetal and Tick-Borne Disorders. New York City, April 9-10, 1999. Full text available online at: [www.medscape.com/medscape/cno/1999/lyme/Story.cfm?story\\_id=534](http://www.medscape.com/medscape/cno/1999/lyme/Story.cfm?story_id=534).

Burgess EC, Gendron-Fitzpatrick A, Wright WO. Arthritis and systemic disease caused by *Borrelia burgdorferi* infection in a cow. J Am Vet Med Assoc. 1987 Dec 1;191(11):1468-70.

Burkhard C, Gleichmann M, Wilhelm H. Optic nerve lesion following neuroborreliosis: a case report. Eur J Ophthalmol. 2001 Apr-Jun;11(2):203-6.

Burk O, Arnold KA, Nussler AK, Schaeffeler E, Efimova E, Avery BA, Avery MA, Fromm MF, Eichelbaum M. Antimalarial artemisinin drugs induce cytochrome P450 and MDR1 expression by activation of xenosensors pregnane X receptor and constitutive androstane receptor. Mol Pharmacol. 2005;67:1954-65. [Epub 2005 Mar 10].

Burri C, Dupasquier C, Basic V, Gern L. Pathogens of emerging tick-borne diseases, *Anaplasma phagocytophilum*, *Rickettsia* spp., and *Babesia* spp., in ixodes ticks collected from rodents at four sites in Switzerland (Canton of Bern). Vector Borne Zoonotic Dis. 2011 Jul;11(7):939-44. Epub 2011 Mar 21.

Butler AR, Gilbert BC, Hulme P, Irvine LR, Rendon L, Whitwood AC. EPR evidence for the involvement of free radicals in the iron-catalysed decomposition of quinghaosu (artemisinin) and some derivatives; antimalarial action of some polycyclic endoperoxides. Free Radic Res. 1998 May;28(5):471-6.

Butterfield JH. Interferon treatment for hypereosinophilic syndromes and systemic mastocytosis. Acta Haematol. 2005;114(1):26-40.

Byrd RP Jr, Roy TM. Babesiosis in Missouri. Ann Intern Med. 1997 Jan 15;126(2):172.

Byrnes V, Chopra S, Koziel MJ. Resolution of chronic hepatitis C following parasitosis. World J Gastroenterol. 2007 Aug 21;13(31):4268-9.

Cabezos J, Bada JL. The diagnosis of malaria by the thick film and the QBC: a comparative study of both technics. Med Clin (Barc). 1993 Jun 12;101(3):91-4.

Cadavid D, O'Neill T, Schaefer H, Pachner AR. Localization of *Borrelia burgdorferi* in the nervous system and other organs in a nonhuman primate model of Lyme disease. Lab Invest. 2000 Jul;80(7):1043-54.

Cadenas MB, Bradley J, Maggi RG, Takara M, Hegarty BC, Breitschwerdt EB. Molecular characterization of *Bartonella vinsonii* subsp. *berkhoffii* genotype III. J Clin Microbiol. 2008 May;46(5):1858-60. Epub 2008 Mar 26.

Cadenas MB, Maggi RG, Diniz PP, Breitschwerdt KT, Sontakke S, Breitschwerdt EB. Identification of bacteria from clinical samples using *Bartonella* alpha-Proteobacteria growth medium. J Microbiol Methods. 2007 Nov;71(2):147-55. Epub 2007 Aug 24.

Caimano MJ, Kenedy MR, Kairu T, Desrosiers DC, Harman M, Dunham-Ems S, Akins DR, Pal U, Radolf JD. The hybrid histidine kinase Hk1 is part of a two-component system that is essential for survival of *Borrelia burgdorferi* in feeding *Ixodes scapularis* ticks. Infect Immun. 2011 Aug;79(8):3117-30. Epub 2011 May 23.

Calderaro A, Montecchini S, Gorrini C, Piccolo G, Chezzi C, Dettori G. Presence of anti-*Borrelia burgdorferi* antibodies and *Borrelia burgdorferi* sensu lato DNA in samples of subjects in an area of the Northern Italy in the period 2002-2008. Diagn Microbiol Infect Dis. 2011 Aug;70(4):455-60. Epub 2011 Mar 11.

Calvo de Mora A, Garcia Castellano JM, Herrera C and Jimenez-Alonso J. [Human babesiosis: report of a case with fatal outcome]. [Article in Spanish]. Med Clin (Barc). 1985 Oct 19;85(12):515-6.

Calza L, Manfredi R, Chiodo F. Infective endocarditis: a review of the best treatment options. Expert Opin Pharmacother. 2004 Sep;5(9):1899-916. Review.

Cameron D, Gaito A, Harris N, Bach G, Bellovin S, Bock K, Bock S, Burrascano J, Dickey C, Horowitz R, Phillips S, Meer-Scherrer L, Raxlen B, Sherr V, Smith H, Smith P, Stricker R; ILADS Working Group. Evidence-based guidelines for the management of Lyme disease. Expert Rev Anti Infect Ther. 2004;2(1 Suppl):S1-13.

Campbell GL, Fritz CL, Fish D, Nowakowski J, Nadelman RB, Wormser GP. Estimation of the incidence of Lyme disease. Am J Epidemiol. 1998 Nov 15;148(10):1018-26.

Campbell RE, Rosahn PD. The morphology and staining characteristics of *Treponema pallidum*. Review of the literature and description of a new technique for staining the organisms in tissues. Yale J Biol Med. 1950 Jul;22(6):527-43.

Camponovo F, Meier C. Neuropathy of vasculitic origin in a case of Garin-Boujadoux-Bannwarth syndrome with positive borrelia antibody response. J Neurol. 1986 Apr;233(2):69-72.

Campos Franco J, Mallo González N, López Rodríguez R, Pérez Pampín E. [Cat-scratch disease].[Article in Spanish]. Med Clin (Barc). 2007 Sep 8;129(8):320.

Cangelosi JJ, Sarvat B, Sarria JC, Herwaldt BL, Indrikovs AJ. Transmission of Babesia microti by blood transfusion in Texas. Vox Sang. 2008 Nov;95(4):331-4.

Capo C, Amirayan-Chevillard N, Brouqui P, Raoult D, Mege JL. Bartonella quintana bacteremia and overproduction of interleukin-10: model of bacterial persistence in homeless people. *J Infect Dis.* 2003 Mar 1;187(5):837-44. Epub 2003 Feb 24.

Caponetti G, Pantanowitz L. Cat-scratch disease lymphadenitis. *Ear Nose Throat J.* 2007 Aug;86(8):449-50.

Caponetti GC, Pantanowitz L, Marconi S, Havens JM, Lamps LW, Otis CN. Evaluation of immunohistochemistry in identifying *Bartonella henselae* in cat-scratch disease. *Am J Clin Pathol.* 2009 Feb;131(2):250-6.

Cardoso L, Tuna J, Vieira L, Yisaschar-Mekuzas Y, Baneth G. Molecular detection of *Anaplasma platys* and *Ehrlichia canis* in dogs from the North of Portugal. *Vet J.* 2010 Feb;183(2):232-3. Epub 2008 Dec 3.

Carithers HA. Cat-scratch disease. An overview based on a study of 1,200 patients. *Am J Dis Child.* 1985 Nov;139(11):1124-33.

Carithers HA, Margileth AM. Cat-scratch disease. Acute encephalopathy and other neurologic manifestations. *Am J Dis Child.* 1991 Jan;145(1):98-101.

Carlberg H, Naito S. Lyme borreliosis--a review and present situation in Japan. *J Dermatol.* 1991 Mar;18(3):125-42. Review.

Carlson D, Hernandez J, Bloom BJ, Coburn J, Aversa JM, Steere AC. Lack of *Borrelia burgdorferi* DNA in synovial samples from patients with antibiotic treatment-resistant Lyme arthritis. *Arthritis Rheum.* 1999 Dec;42(12):2705-9.

Cartwright, M.J., S.E. Martin, and S.T. Donta. A novel neurotoxin (Bbtox1) of *Borrelia burgdorferi*. Meeting of the American Society for Microbiology. May 1999. Chicago.

Carucci LR, Halvorsen RA. Hepatic peliosis (bacillary angiomatosis) in AIDS: CT findings. *Abdom Imaging.* 2006 Mar-Apr;31(2):253; author reply 254.

Carvalho TL, Ribolla PE, Curi RA, Mota LS. Characterization and transcriptional analysis of the promoter region of the Duffy blood group, chemokine receptor (DARC) gene in cattle. *Vet Immunol Immunopathol.* 2009 Dec 15;132(2-4):153-9. Epub 2009 Jun 6.

Cary NR, Fox B, Wright DJ, Cutler SJ, Shapiro LM, Grace AA. Fatal Lyme carditis and endodermal heterotopia of the atrioventricular node. *Postgrad Med J.* 1990 Feb;66(772):134-6.

Casalta JP, Gouriet F, Richet H, Thuny F, Habib G, Raoult D. Prevalence of *Coxiella burnetii* and *Bartonella* species as cases of infective endocarditis in Marseilles (1994-2007). *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:152-3. Epub 2009 Sep 28.

Case JB, Chomel B, Nicholson W, Foley JE. Serological survey of vector-borne zoonotic pathogens in pet cats and cats from animal shelters and feral colonies. *J Feline Med Surg.* 2006 Apr;8(2):111-7. Epub 2006 Jan 23.

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 22-1992. A 6 1/2-year-old girl with status epilepticus, cervical lymphadenopathy, pleural effusions, and respiratory distress. *N Engl J Med.* 1992 May 28;326(22):1480-9.

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 1-1998. An 11-year-old boy with a seizure. *N Engl J Med.* 1998;338(2):112-9. Erratum in: *N Engl J Med* 1998 Feb 12;338(7):483.

Casjens SR, Fraser-Liggett CM, Mongodin EF, Qiu WG, Dunn JJ, Luft BJ, Schutzer SE. Whole genome sequence of an unusual *Borrelia burgdorferi* sensu lato isolate. *J Bacteriol.* 2011 Mar;193(6):1489-90. Epub 2011 Jan 7.

Casolari C, Pecorari M, Balli F, Fabio G, Gennari W, Sabbatini AM, Nanni N, Migaldi M, Guaraldi N, Tagliazucchi S, Alù M, Bertoli G, Fabio R, Portolani M. Unusual concurrent detection by polymerase chain reaction of *Bartonella henselae* and parvovirus b19 in an immunocompetent child with erythema nodosum and hepatic granulomatous disease. *Diagn Microbiol Infect Dis.* 2007 Sep;59(1):81-4. Epub 2007 May 29.

Cassarino DS, Quezado MM, Ghatak NR, Duray PH. Lyme-associated parkinsonism: a neuropathologic case study and review of the literature. *Arch Pathol Lab Med.* 127(9):1204-6. 2003.

Celebi B. [Bartonella henselae and its infections]. [Article in Turkish]. *Mikrobiyol Bul.* 2008 Jan;42(1):163-75. Review.

Centers for Disease Control and Prevention (CDC). Encephalitis associated with cat scratch disease--Broward and Palm Beach Counties, Florida, 1994. *MMWR Morb Mortal Wkly Rep.* 1994;43(49):909, 915-6.

Cerar D, Cerar T, Ružić-Sabljić E, Wormser GP, Strle F. Subjective symptoms after treatment of early Lyme disease. *Am J Med.* 2010 Jan;123(1):79-86.

Cerimele F, Brown LF, Bravo F, Ihler GM, Kouadio P, Arbiser JL. Infectious Angiogenesis: *Bartonella bacilliformis* Infection Results in Endothelial Production of Angiopoietin-2 and Epidermal Production of Vascular Endothelial Growth Factor. *Am J Pathol.* 2003 Oct;163(4):1321-7.

Cerroni L, Zochling N, Putz B, Kerl H. Infection by *Borrelia burgdorferi* and cutaneous B-cell lymphoma. *J Cutan Pathol.* 1997 Sep;24(8):457-61.

Cervantes JL, Dunham-Ems SM, La Vake CJ, Petzke MM, Sahay B, Sellati TJ, Radolf JD, Salazar JC. Phagosomal signaling by *Borrelia burgdorferi* in human monocytes involves Toll-like receptor (TLR) 2 and TLR8 cooperativity and TLR8-mediated induction of IFN- $\beta$ . Proc Natl Acad Sci U S A. 2011 March 1;108(9):3683-8. Published online 2011 February 14.

Chae JS, Yu do H, Shringi S, Klein TA, Kim HC, Chong ST, Lee IY, Foley J. Microbial pathogens in ticks, rodents and a shrew in northern Gyeonggi-do near the DMZ, Korea. J Vet Sci. 2008 Sep;9(3):285-93.

Chai CL, Lu QY, Sun JM, Jiang LP, Ling F, Zhang LJ, Zheng SG, Zhang H, Ge JH. [Sero-epidemiologic investigation on tick-borne diseases of humans and domestic animals in Zhejiang province]. [Article in Chinese]. Zhonghua Liu Xing Bing Xue Za Zhi. 2010 Oct;31(10):1144-1147.

Chaloner GL, Harrison TG, Coyne KP, Aanensen DM, Birtles RJ. Multilocus sequence typing of *Bartonella henselae* in the United Kingdom indicates that only a few, uncommon sequence types are associated with zoonotic disease. J Clin Microbiol. 2011 Jun;49(6):2132-7. Epub 2011 Apr 6.

Chaloner GL, Palmira Ventosilla, Birtles RJ. Multi-locus sequence analysis reveals profound genetic diversity among isolates of the human pathogen *Bartonella bacilliformis*. PLoS Negl Trop Dis. 2011 Jul;5(7):e1248. Epub 2011 Jul 19.

Chamorro A, Alonso P, Arrizabalaga J, Carné X, Camps V. [Limitations of evidence-based medicine: the case of stroke].[Article in Spanish]. Med Clin (Barc). 2001 Mar 10;116(9):343-9.

Chan L, Reilly KM, Snyder HS. An unusual presentation of cat scratch encephalitis. J Emerg Med. 1995;13(6):769-772.

Chancellor MB, Dato VM, Yang JY. Lyme disease presenting as urinary retention. J Urol. 1990 Jun;143(6):1223-4.

Chancellor MB, McGinnis DE, Shenot PJ, Kiilholma P, Hirsch IH. Urinary dysfunction in Lyme disease. *J Urol.* 1993 Jan;149(1):26-30.

Chanchamroen S, Kewcharoenwong C, Susaengrat W, Ato M, Lertmemongkolchai G. Human Polymorphonuclear Neutrophil Responses to *Burkholderia pseudomallei* in Healthy and Diabetic Subjects. *Infect Immun.* 2009 Jan;77(1): 456–463. Published online 2008 October 27.

Chandra A, Latov N, Wormser GP, Marques AR, Alaedini A. Epitope mapping of antibodies to VlsE protein of *Borrelia burgdorferi* in post-Lyme disease syndrome. *Clin Immunol.* 2011 Oct;141(1):103-10. Epub 2011 Jul 2.

Chandra A, Wormser GP, Klempner MS, Trevino RP, Crow MK, Latov N, Alaedini A. Anti-neural antibody reactivity in patients with a history of Lyme borreliosis and persistent symptoms. *Brain Behav Immun.* 2010 Aug;24(6):1018-24. Epub 2010 Mar 18.

Chandra A, Wormser GP, Marques AR, Latov N, Alaedini A. Anti-*Borrelia burgdorferi* antibody profile in post-Lyme disease syndrome. *Clin Vaccine Immunol.* 2011 May;18(5):767-71. Epub 2011 Mar 16.

Chandrashekhar R, Mainville CA, Beall MJ, O'Connor T, Eberts MD, Alleman AR, Gaunt SD, Breitschwerdt EB. Performance of a commercially available in-clinic ELISA for the detection of antibodies against *Anaplasma phagocytophilum*, *Ehrlichia canis*, and *Borrelia burgdorferi* and *Dirofilaria immitis* antigen in dogs. *Am J Vet Res.* 2010 Dec;71(12):1443-50.

Chang CC, Chen YJ, Tseng CS, Lai WL, Hsu KY, Chang CL, Lu CC, Hsu YM. A comparative study of the interaction of *Bartonella henselae* strains with human endothelial cells. *Vet Microbiol.* 2011 Apr 21;149(1-2):147-56. Epub 2010 Oct 7.

Chang CC, Lee CC, Maruyama S, Lin JW, Pan MJ. Cat-scratch disease in veterinary-associated populations and in its cat reservoir in Taiwan. *Vet Res.* 2006 Jul-Aug;37(4):565-77. Epub 2006 Apr 28.

Chang YF, Ku Y, Chang CF, Chang CD, McDonough SP, Divers T, Pough M, Torres A. Antibiotic treatment of experimentally Borrelia burgdorferi-infected ponies. *Vet Microbiol.* 2005 May 20;107(3-4):285-94.

Chapes SK, Ganta RR. Defining the Immune Response to Ehrlichia species Using Murine Models. *Vet Parasitol.* 2008 Dec 20;158(4):344-359. Published online 2008 October 17.

Chauhan VS, Sterka DG Jr, Gray DL, Bost KL, Marriott I. Neurogenic Exacerbation of Microglial and Astrocyte Responses to Neisseria meningitidis and Borrelia burgdorferi. *J Immunol.* 2008 Jun 15;180(12):8241-9.

Chausov EV, Ternovoĭ VA, Protopopova EV, Konovalova SN, Kononova IuV, Pershikova NL, Moskovitina NS, Romanenko VN, Ivanova NV, Bol'shakova NP, Moskvitin SS, Korobitsyn IG, Gashkov SI, Tiuten'kov OIu, Kuranova VN, Kravchenko LB, Suchkova NG, Agulova LP, Loktev VB. [Genetic diversity of ixodid tick-borne pathogens in Tomsk City and suburbs].[Article in Russian]. *Parazitologiiia.* 2009 Sep-Oct;43(5):374-88.

Chehrenama M, Zagardo MT, Koski CL. Subarachnoid hemorrhage in a patient with Lyme disease. *Neurology.* 1997 Feb;48(2):520-3.

Chen HH, Zhou HJ, Fang X. Inhibition of human cancer cell line growth and human umbilical vein endothelial cell angiogenesis by artemisinin derivatives in vitro. *Pharmacol Res.* 2003 Sep;48:231-6.

Chen HH, Zhou HJ, Wang WQ, Wu GD. Antimalarial dihydroartemisinin also inhibits angiogenesis. *Cancer Chemother Pharmacol.* 2004 May;53(5):423-32.

Chen HH, Zhou HJ, Wu GD, Lou XE. Inhibitory effects of artesunate on angiogenesis and on expressions of vascular endothelial growth factor and VEGF receptor KDR/flk-1. *Pharmacology.* 2004 May;71(1):1-9.

Chen J, Field JA, Glickstein L, Molloy PJ, Huber BT, Steere AC. Association of antibiotic treatment-resistant Lyme arthritis with T cell responses to dominant epitopes of outer surface protein A of *Borrelia burgdorferi*. *Arthritis Rheum.* 1999 Sep;42(9):1813-22.

Chen S, Zückert WR. Probing the *Borrelia burgdorferi* Surface Lipoprotein Secretion Pathway Using a Conditionally Folding Protein Domain. *J Bacteriol.* 2011 Sep 30. [Epub ahead of print]

Chen TC, Lin WR, Lu PL, Lin CY, Chen YH. Cat scratch disease from a domestic dog. *J Formos Med Assoc.* 2007 Feb;106(2 Suppl):S65-68. Review.

Chen YD, Lin BY, Zhang JX. [Study on inducing an artemisinin-resistant line of *Plasmodium berghei*.]. [Article in Chinese]. *Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi.* 2002;20(1):37-8.

Cherinet Y, Tomlinson R. Cat scratch disease presenting as acute encephalopathy. *Emerg Med J.* 2008 Oct;25(10):703-4.

Cherry NA, Diniz PP, Maggi RG, Hummel JB, Hardie EM, Behrend EN, Rozanski E, Defrancesco TC, Cadenas MB, Breitschwerdt EB. Isolation or molecular detection of *Bartonella henselae* and *Bartonella vinsonii* subsp. *berkhoffii* from dogs with idiopathic cavitary effusions. *J Vet Intern Med.* 2009 Jan-Feb;23(1):186-9.

Cherry NA, Liebisch G, Liebisch A, Breitschwerdt EB, Jones SL, Ulrich R, Allmers E, Wolf P, Hewicker-Trautwein M. Identification of *Bartonella henselae* in a horse from Germany. *Vet Microbiol.* 2011 Jun 2;150(3-4):414-5. Epub 2011 Feb 18.

Cherry NA, Maggi RG, Cannedy AL, Breitschwerdt EB. PCR detection of *Bartonella bovis* and *Bartonella henselae* in the blood of beef cattle. *Vet Microbiol.* 2009 Mar 30;135(3-4):308-12. Epub 2008 Sep 21.

Cherry NA, Maggi RG, Rossmeisl JH, Hegarty BC, Breitschwerdt EB. Ecological Diversity of Bartonella Species Infection Among Dogs and Their Owner in Virginia. *Vector Borne Zoonotic Dis.* 2011 Jul 7. [Epub ahead of print]

Cheuk W, Chan AK, Wong MC, Chan JK. Confirmation of diagnosis of cat scratch disease by immunohistochemistry. *Am J Surg Pathol.* 2006 Feb;30(2):274-5.

Cheung VW, Moxham JP. Cat scratch disease presenting as acute mastoiditis. *Laryngoscope.* 2010;120 Suppl 4:S222. Review.

China Cooperative Research Group on Qinghaosu and its Derivatives as Antimalarials. *J Tradit Chin Med.* 1982 Mar;2(1):9-16.

Chiao JW, Villalon P, Schwartz I, Wormser GP. Modulation of lymphocyte proliferative responses by a canine Lyme disease vaccine of recombinant outer surface protein A (OspA). *FEMS Immunol Med Microbiol.* 2000 Jul;28(3):193-6.

Chiaraviglio L, Duong S, Brown DA, Birtles RJ, Kirby JE. An immunocompromised murine model of chronic Bartonella infection. *Am J Pathol.* 2010 Jun;176(6):2753-63. Epub 2010 Apr 15.

Chinnadurai SK, Birkenheuer AJ, Blanton HL, Maggi RG, Belfiore N, Marr HS, Breitschwerdt EB, Stoskopf MK. Prevalence of selected vector-borne organisms and identification of Bartonella species DNA in North American river otters (*Lontra canadensis*). *J Wildl Dis.* 2010 Jul;46(3):947-50.

Chmielewski T, Podsiadly E, Tylewska-Wierzbanowska S. Presence of Bartonella spp. in various human populations. *Pol J Microbiol.* 2007;56(1):33-38.

Choi P, Qin X, Chen EY, Inglis AF Jr, Ou HC, Perkins JA, Sie KC, Patterson K, Berry S, Manning SC. Polymerase chain reaction for pathogen identification in persistent pediatric cervical lymphadenitis. *Arch Otolaryngol Head Neck Surg.* 2009 Mar;135(3):243-8.

Chomel B. Tick-borne infections in dogs-an emerging infectious threat. *Vet Parasitol.* 2011 Jul 15;179(4):294-301.

Chomel BB, Boulouis HJ, Breitschwerdt EB. Cat scratch disease and other zoonotic Bartonella infections. *J Am Vet Med Assoc.* 2004 Apr 15;224(8):1270-9. Review.

Chomel BB, Boulouis HJ, Breitschwerdt EB, Kasten RW, Vayssié-Taussat M, Birtles RJ, Koehler JE, Dehio C. Ecological fitness and strategies of adaptation of Bartonella species to their hosts and vectors. *Vet Res.* 2009 Mar-Apr;40(2):29. Epub 2009 Mar 14. Review.

Chomel BB, Boulouis HJ, Maruyama S, Breitschwerdt EB. Bartonella spp. in pets and effect on human health. *Emerg Infect Dis.* 2006 Mar;12(3):389-94. Review.

Chomel BB, Henn JB, Kasten RW, Nieto NC, Foley J, Papageorgiou S, Allen C, Koehler JE. Dogs are more permissive than cats or guinea pigs to experimental infection with a human isolate of *Bartonella rochalimae*. *Vet Res.* 2009 Jul-Aug;40(4):27.

Chomel BB, Kasten RW. Bartonellosis, an increasingly recognized zoonosis. *J Appl Microbiol.* 2010 Sep;109(3):743-50. Review.

Chomel BB, Kasten RW, Henn JB, Molia S. Bartonella infection in domestic cats and wild felids. *Ann N Y Acad Sci.* 2006 Oct;1078:410-5.

Chomel BB, Kasten RW, Sykes JE, Boulouis HJ, Breitschwerdt EB. Clinical impact of persistent *Bartonella* bacteremia in humans and animals. *Ann N Y Acad Sci.* 2003 Jun;990:267-78. Review.

Chomel BB, Kasten RW, Williams C, Wey AC, Henn JB, Maggi R, Carrasco S, Mazet J, Boulouis HJ, Maillard R, Breitschwerdt EB. *Bartonella* endocarditis: a pathology shared by animal reservoirs and patients. *Ann N Y Acad Sci.* 2009 May;1166:120-6.

Chong CR, Sullivan DJ Jr. Inhibition of heme crystal growth by antimalarials and other compounds: implications for drug discovery. *Biochem Pharmacol.* 2003 Dec 1;66(11):2201-12.

Chopra I, Roberts M. Tetracycline antibiotics: mode of action, applications, molecular biology, and epidemiology of bacterial resistance. *Microbiol Mol Biol Rev.* 2001 Jun;65(2): 232–260.

Chu BC, Tam VT. A serologically proven case of cat-scratch disease presenting with neuroretinitis. *Hong Kong Med J.* 2009 Oct;15(5):391-3.

Ciceroni L, Pinto A, Ciarrocchi S, Ciervo A. Bartonella infections in Italy. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:108-9. Epub 2009 Apr 30.

Cichocka A, Skotarczak B. [Babesiosis--difficulty of diagnosis]. [Article in Polish]. *Wiad Parazytol.* 2001;47(3):527-33. Review.

Cieniuch S, Staczak J, Ruczaj A. The first detection of Babesia EU1 and Babesia canis canis in Ixodes ricinus ticks (Acari, Ixodidae) collected in urban and rural areas in northern Poland. *Pol J Microbiol.* 2009;58(3):231-6.

Cimmino MA, Moggiana GL, Parisi M, S. Accardo S. Treatment of Lyme arthritis. *Infection.* 1996 Jan-Feb;24:1:91-93.

Cimperman J, Maraspin V, Lotric-Furlan S, Ruzic-Sabljic E, Strle F. Lyme meningitis: a one-year follow up controlled study. *Wien Klin Wochenschr.* 1999 Dec 10;111(22-23):961-3.

Cimperman J, Maraspin V, Lotric-Furlan S, Ruzic-Sabljic E, Avsic-Zupanc T, Strle F. Diffuse reversible alopecia in patients with Lyme meningitis and tick-borne encephalitis. *Wien Klin Wochenschr.* 1999 Dec 10;111(22-23):976-7.

Clark IA. Does endotoxin cause both the disease and parasite death in acute malaria and babesiosis? *Lancet.* 1978 Jul 8;(8080):75-7.

Clark IA, Alleva LM, Mills AC, Cowden WB. Pathogenesis of Malaria and Clinically Similar Conditions. *Clin Microbiol Rev.* 2004 July;17(3):509-39.

Clark IA, Budd AC, Hsue G, Haymore BR, Joyce AJ, Thorner R, Krause PJ. Absence of erythrocyte sequestration in a case of babesiosis in a splenectomized human patient. *Malar J.* 2006 Aug 4;5:69.

Clark JR, Carlson RD, Sasaki CT, Pachner AR, Steere AC. Facial paralysis in Lyme disease. *Laryngoscope.* 1985 Nov;95(11):1341-5.

Clark RL, White TE, A Clode S, Gaunt I, Winstanley P, Ward SA. Developmental toxicity of artesunate and an artesunate combination in the rat and rabbit. *Birth Defects Res B Dev Reprod Toxicol.* 2004 Dec; 71(6):380-94.

Clindamycin: Medline Plus. [Monograph on the Internet]. Available from: <http://www.nlm.nih.gov/medlineplus/druginfo/medmaster/a682399.html>.

Cockwill KR, Taylor SM, Philibert HM, Breitschwerdt EB, Maggi RG. *Bartonella vinsonii* subsp. *berkhoffii* endocarditis in a dog from Saskatchewan. *Can Vet J.* 2007 Aug; 48(8):839-44.

Codolo G, Amedei A, Steere AC, Papinutto E, Cappon A, Polenghi A, Benagiano M, Paccani SR, Sambri V, Del Prete G, Baldari CT, Zanotti G, Montecucco C, D'Elios MM, de Bernard M. *Borrelia burgdorferi NapA*-driven Th17 cell inflammation in lyme arthritis. *Arthritis Rheum.* 2008 Nov;58(11):3609-17.

Cohnstaedt LW, Beati L, Caceres AG, Ferro C, Munstermann LE. Phylogenetics of the phlebotomine sand fly group *Verrucarum* (Diptera: Psychodidae: Lutzomyia). *Am J Trop Med Hyg.* 2011 Jun;84(6):913-22.

Coipan EC, Vladimirescu AF. *Ixodes ricinus* ticks (Acari: Ixodidae): vectors for Lyme disease spirochetes in Romania. *Exp Appl Acarol.* 2011 Jul;54(3):293-300. Epub 2011 Mar 24.

Colborn JM, Kosoy MY, Motin VL, Telepnev MV, Valbuena G, Myint KS, Fofanov Y, Putonti C, Feng C, Peruski L. Improved detection of *Bartonella* DNA in mammalian hosts and arthropod vectors by real-time PCR using the NADH dehydrogenase gamma subunit (*nuoG*). *J Clin Microbiol.* 2010 Dec;48(12):4630-3. Epub 2010 Oct 6.

Coleman AS, Rossmann E, Yang X, Song H, Lamichhane CM, Iyer R, Schwartz I, Pal U. BBK07 immunodominant peptides as serodiagnostic markers of Lyme disease. *Clin Vaccine Immunol.* 2011 Mar;18(3):406-13. Epub 2010 Dec 22.

Collart P, Borel L, Durel P. Significance of spiral organisms found after treatment in late human and experimental syphilis. *Br J Vener Dis.* 1964 Jun;40:81-9.

Collier JA, Longmore JM. The reliability of the microscopic diagnosis of malaria in the field and in the laboratory. *Ann Trop Med Parasitol.* 1983 Apr;77(2):113-7.

Collins C, Shi C, Russell JQ, Fortner KA, Budd RC. Activation of T Cells by *Borrelia burgdorferi* is Indirect via a TLR- and Caspase-Dependent Pathway. *J Immunol.* 2008 Aug 15;181(4):2392-8.

Colović N, Bumbasirević L, Palibrk V, Vidović A, Colović M. [Neuroborreliosis in patient with aplastic anaemia secondary to therapy with ticlopidine].[Article in Serbian]. *Srp Arh Celok Lek.* 2010 Sep-Oct;138(9-10):632-4.

Colton L, Zeidner N, Lynch T, Kosoy MY. Human isolates of *Bartonella tamaiae* induce pathology in experimentally inoculated immunocompetent mice. *BMC Infect Dis.* 2010 Jul 30;10:229.

Comer JA, Flynn C, Regnery RL, Vlahov D, Childs JE. Antibodies to *Bartonella* species in inner-city intravenous drug users in Baltimore, Md. *Arch Intern Med.* 1996;156(21):2491-5.

Commander NJ, Spencer SA, Wren BW, MacMillan AP. The identification of two protective DNA vaccines from a panel of five plasmid constructs encoding *Brucella melitensis* 16M genes. *Vaccine*. 2007 Jan 2;25(1):43-54. Epub 2006 Aug 4.

Commins MA, Goodger BV, Waltisbuhl DJ, Wright IG. Babesia bovis: studies of parameters influencing microvascular stasis of infected erythrocytes. *Res Vet Sci*. 1988 Mar;44(2):226-8.

Conrad DA. Treatment of cat-scratch disease. *Curr Opin Pediatr*. 2001 Feb;13(1):56-9.

Conrad PA, Kjemtrup AM, Carreno RA, Thomford J, Wainwright K, Eberhard M, Quick R, Telford SR 3rd, Herwaldt BL. Description of *Babesia duncani* n.sp. (Apicomplexa: Babesiidae) from humans and its differentiation from other piroplasms. *Int J Parasitol*. 2006 Jun;36(7):779-89

Cooke WD, Dattwyler RJ. Complications of Lyme borreliosis. *Ann Rev Med*. 1992;43:93-103.

Cools J, DeAngelo DJ, Gotlib J, et al. A tyrosine kinase created by fusion of the PDGFRA and FIP1L1 genes as a therapeutic target of imatinib in idiopathic hypereosinophilic syndrome. *N Engl J Med*. 2003 Mar 27;348(13):1201-14.

Cortes J, Ault P, Koller C, Thomas D, Ferrajoli A, Wierda W, Rios MB, Letvak L, Kaled ES, Kantarjian H. Efficacy of imatinib mesylate in the treatment of idiopathic hypereosinophilic syndrome. *Blood*. 2003 Jun 15;101(12):4714-6.

Costa V, Sommese L, Casamassimi A, Colicchio R, Angelini C, Marchesano V, Milone L, Farzati B, Giovane A, Fiorito C, Rienzo M, Picardi M, Avallone B, Marco Corsi M, Sarubbi B, Calabro R, Salvatore P, Ciccodicola A, Napoli C. Impairment of circulating endothelial progenitors in Down syndrome. *BMC Med Genomics*. 2010 Sep 13;3:40.

Costello CM, Steere AC, Pinkerton RE, Feder HM Jr. A prospective study of tick bites in an endemic area for Lyme disease. Conn Med. 1989 Jun;53(6):338-40.

Costello CM, Steere AC, Pinkerton RE, Feder HM Jr. A prospective study of tick bites in an endemic area for Lyme disease. J Infect Dis. 1989 Jan;159(1):136-9.

Cotté V, Bonnet S, Le Rhun D, Le Naour E, Chauvin A, Boulouis HJ, Lecuelle B, Lilin T, Vayssier-Taussat M. Transmission of Bartonella henselae by Ixodes ricinus. Emerg Infect Dis. 2008 Jul;14(7):1074-80.

Coumou J, Hovius JW. [Lyme disease].[Article in Dutch]. Ned Tijdschr Tandheelkd. 2011 Jun;118(6):310-6. Review.

Coumou J, van der Poll T, Speelman P, Hovius JW. Tired of Lyme borreliosis. Lyme borreliosis in the Netherlands. Neth J Med. 2011 Mar;69(3):101-11. Review.

Courtney JW, Dryden RL, Montgomery J, Schneider BS, Smith G, Massung RF. Molecular characterization of Anaplasma phagocytophilum and Borrelia burgdorferi in Ixodes scapularis ticks from Pennsylvania. J Clin Microbiol 2003 Apr;41(4):1569-73.

Coutts WE, Coutts WR. Treponema pallidum buds, granules and cysts as found in human syphilitic chancres and seen in fixed unstained smears under darkground illumination. Am J Syph Gonorrhea Vener Dis. 1953 Jan;37(1):29-36.

Coyle PK. Neurologic complications of late and chronic Lyme disease. 9th Annual International Scientific Conference on Lyme Disease & Other Tick-Borne Disorders, Westin Copley Plaza Hotel, Boston, MA, April 19-20, 1996.

Coyle PK. Lyme disease. Curr Neurol Neurosci Rep. 2002 Nov; 2(6):479-87.

Coyle PK, Schutzer SE. Neurologic presentations in Lyme disease. Hosp Pract (Off Ed). 1991 Nov 15;26(11):55-66; discussion 66, 69-70.

Craft JE, Grodzicki RL, Steere AC. Antibody response in Lyme disease: evaluation of diagnostic tests. J Infect Dis. 1984 May;149(5):789-95.

Craft JE, Grodzicki RL, Shrestha M, Fischer DK, García-Blanco M, Steere AC. The antibody response in Lyme disease. Yale J Biol Med. 1984 Jul-Aug;57(4):561-5.

Craft JE, Fischer DK, Shimamoto GT, Steere AC. Antigens of *Borrelia burgdorferi* recognized during Lyme disease. Appearance of a new immunoglobulin M response and expansion of the immunoglobulin G response late in the illness. J Clin Invest. 1986 Oct;78(4):934-9.

Craven RB, Quan TJ, Bailey RE, Dattwyler R, Ryan RW, Sigal LH, Steere AC, Sullivan B, Johnson BJ, Dennis DT, Gubler DJ. Improved serodiagnostic testing for Lyme disease: results of a multicenter serologic evaluation. Emerg Infect Dis. 1996 Apr-Jun;2(2):136-40.

Creamer M, Foran J, Bell R. The Beck Anxiety Inventory in a non-clinical sample. Behav Res Ther. 1995;33(4):477-485.

Cross JR, Rossmeisl JH, Maggi RG, Breitschwerdt EB, Duncan RB. Bartonella-associated meningoRADICULONEURITIS and dermatitis or panniculitis in 3 dogs. J Vet Intern Med. 2008 May-Jun;22(3):674-8. Epub 2008 May 2.

Cruz M, Hansen K, Ernerudh J, Steere AC, Link H. Lyme arthritis: oligoclonal anti-*Borrelia burgdorferi* IgG antibodies occur in joint fluid and serum. Scand J Immunol. 1991 Jan;33(1):61-71.

Cunha BA, Barnett B, Sharma S, Talavera F, Sharma OP, Mylonakis E, Zevitz ME. Babesiosis. EMedicine. Accessed 2006 Jun 23.

Cunha BA, Cohen YZ, McDermott B. Fever of unknown origin (FUO) due to babesiosis in a immunocompetent host. *Heart Lung*. 2008 Nov-Dec;37(6):481-4. Epub 2008 Sep 30.

Cunha BA, Nausheen S, Szalda D. Pulmonary complications of babesiosis: case report and literature review. *Eur J Clin Microbiol Infect Dis*. 2007 Jul;26(7):505-8. Review.

Cuong BT, Binh VQ, Dai B, Duy DN, Lovell CM, Rieckmann KH, Edstein MD. Does gender, food or grapefruit juice alter the pharmacokinetics of primaquine in healthy subjects? *Br J Clin Pharmacol*. 2006 Jun;61(6):682-9.

Curi AL, Machado D, Heringer G, Campos WR, Lamas C, Rozental T, Gutierrez A, Orefice F, Lemos E. Cat-scratch disease: ocular manifestations and visual outcome. *Int Ophthalmol*. 2010 Oct;30(5):553-8. Epub 2010 Jul 30.

Curi AL, Machado DO, Heringer G, Campos WR, Orefice F. Ocular manifestation of cat-scratch disease in HIV-positive patients. *Am J Ophthalmol*. 2006 Feb;141(2):400-1.

Curless RG, Schatz NJ, Bowen BC, Rodriguez Z, Ruiz A. Lyme neuroborreliosis masquerading as a brainstem tumor in a 15-year-old. *Pediatr Neurol*. 1996 Oct;15(3):258-60.

Curno O, Behnke JM, McElligott AG, Reader T, Barnard CJ. Mothers produce less aggressive sons with altered immunity when there is a threat of disease during pregnancy. *Proc Biol Sci*. 2009 Mar 22;276(1659):1047-54.

Czekalowki JW, Eaves G. Formation of granular structures by Leptospirae as revealed by the electron microscope. *J Bacteriol*. 1954 Jun;67:619-627.

Czell D, Rodic B, Imoberdorf R. [Neuroborreliosis--a disease with many faces].[Article in German]. *Praxis (Bern 1994)*. 2011 May 11;100(10):607-12.

da Costa PS, Brigatte ME, Greco DB. Antibodies to Rickettsia rickettsii, Rickettsia typhi, Coxiella burnetii, Bartonella henselae, Bartonella quintana, and Ehrlichia chaffeensis among healthy population in Minas Gerais, Brazil. *Mem Inst Oswaldo Cruz.* 2005 Dec;100(8):853-9. Epub 2006 Jan 20.

Da Silva K, Chussid S. Cat scratch disease: clinical considerations for the pediatric dentist. *Pediatr Dent.* 2009 Jan-Feb;31(1):58-62.

Dabo SM, Confer AW, Anderson BE, Gupta S. *Bartonella henselae Pap31*, an extracellular matrix adhesin, binds the fibronectin repeat III13 module. *Infect Immun.* 2006 May;74(5):2513-21.

Dabo SM, Confer AW, Saliki JT, Anderson BE. Binding of *Bartonella henselae* to extracellular molecules: identification of potential adhesins. *Microb Pathog.* 2006 Jul;41(1):10-20. Epub 2006 May 24.

Dabrowska-Bień J, Pietniczka-Załecka M, Rowicki T. [Cat scratch disease--a diagnostic problem, case report].[Article in Polish]. *Otolaryngol Pol.* 2009 Mar-Apr;63(2):154-7.

Dadamessi I, Brazier F, Smail A, Delcenserie R, Dupas JL, Capron JP. Hepatic injuries related to Lyme disease. Study of 2 cases and a review of the literature. *Gastroenterol Clin Biol.* 25(2):193-196. 2001.

Dai J, Narasimhan S, Zhang L, Liu L, Wang P, Fikrig E. Tick histamine release factor is critical for *Ixodes scapularis* engorgement and transmission of the lyme disease agent. *PLoS Pathog.* 2010 Nov 24;6(11):e1001205.

Daffner KR, Saver JL, Biber MP. Lyme polyradiculoneuropathy presenting as increasing abdominal girth. *Neurology.* 1990 Feb;40:373-5.

Dandache P, Nadelman RB. Erythema migrans. *Infect Dis Clin North Am.* 2008 Jun;22(2):235-60, vi. Review.

Dantas-Torres F. The brown dog tick, *Rhipicephalus sanguineus* (Latreille, 1806) (Acarina: Ixodidae): from taxonomy to control. *Vet Parasitol.* 2008 Apr 15;152(3-4):173-85. Epub 2008 Jan 3. Review.

Dantas-Torres F. Canine vector-borne diseases in Brazil. *Parasit Vectors.* 2008;1:25. Published online 2008 August 8.

Dantas-Torres F, Figueredo LA. Canine babesiosis: a Brazilian perspective. *Vet Parasitol.* 2006 Nov 5;141(3-4):197-203. Epub 2006 Sep 8. Review. Erratum in: *Vet Parasitol.* 2007 Sep 1;148(2):185. Dosage error in article text.

Dardenne S, Coche E, Weynand B, Poncelet A, Zech F, De Meyer M. High suspicion of bacillary angiomatosis in a kidney transplant recipient: a difficult way to diagnose--case report. *Transplant Proc.* 2007 Jan-Feb;39(1):311-3.

Das BB, Wasser E, Bryant KA, Woods CR, Yang SG, Zahn M. Culture negative endocarditis caused by *Bartonella henselae* in a child with congenital heart disease. *Pediatr Infect Dis J.* 2009 Oct;28(10):922-5.

Datta SC, Opp MR. Lipopolysaccharide-induced increases in cytokines in discrete mouse brain regions are detectable using Luminex xMAP® technology. *J Neurosci Methods.* 2008 Oct 30;175(1): 119–124. Published online 2008 August 14.

Dattwyler RJ, Halperin JJ. Failure of tetracycline therapy in early Lyme disease. *Arthritis Rheum.* 1987 Apr;30(4):448-50.

Dattwyler RJ, Halperin JJ, Volkman DJ, Luft BJ. Treatment of late Lyme borreliosis-randomized comparison of ceftriaxone and penicillin. *Lancet.* 1988 May 28;1(8596):1191-4.

Dattwyler RJ, Luft BJ, Kunkel MJ, Finkel MF, Wormser GP, Rush TJ, Grunwaldt E, Agger WA, Franklin M, Oswald D, Cockey L, Maladorno D. Ceftriaxone compared with doxycycline for the treatment of acute disseminated Lyme disease. *N Engl J Med.* 1997 Jul 31;337(5):289-94.

Dattwyler RJ, Volkman DJ, Luft BJ, Halperin JJ, Thomas J, Golightly MG. Seronegative Lyme disease. Dissociation of specific T-and B-lymphocyte responses to *Borrelia burgdorferi*. *N Engl J Med.* 1988 Dec 1;319(22):1441-6.

Dattwyler RJ, Volkman DJ, Luft BJ. Immunologic aspects of Lyme borreliosis. *Rev Infect Dis.* 1989 Sep-Oct;11 Suppl 6:S1494-8.

Dattwyler RJ, Wormser GP, Rush TJ, Finkel MF, Schoen RT, Grunwaldt E, Franklin M, Hilton E, Bryant GL, Agger WA, Maladorno D. A comparison of two treatment regimens of ceftriaxone in late Lyme disease. *Wien Klin Wochenschr.* 2005 Jun;117(11-12):393-7.

Dayan AD. Neurotoxicity and artemisinin compounds do the observations in animals justify limitation of clinical use? *Med Trop (Mars).* 1998;58(3 Suppl):32-7.

Dayan NE, Rubin LG, Di John D, Sood SK. Hypoglycorrachia in Lyme meningitis. *Pediatr Infect Dis J.* 2004 Apr;23(4):370-1.

de Caprariis D, Dantas-Torres F, Capelli G, Mencke N, Stanneck D, Breitschwerdt EB, Otranto D. Evolution of clinical, haematological and biochemical findings in young dogs naturally infected by vector-borne pathogens. *Vet Microbiol.* 2011 Apr 21;149(1-2):206-12. Epub 2010 Oct 16.

De Clerck KF, Van Offel JF, Vlieghe E, Van Marck E, Stevens WJ. *Bartonella endocarditis mimicking adult Still's disease.* *Acta Clin Belg.* 2008 May-Jun;63(3):190-2.

De Koning J, Duray PH. Histopathology of human Lyme borreliosis. In *Aspects of Lyme Borreliosis*, ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag:pp 70-104. 1993.

de Kort JG, Robben SG, Schrander JJ, van Rhijn LW. Multifocal osteomyelitis in a child: a rare manifestation of cat scratch disease: a case report and systematic review of the literature. *J Pediatr Orthop B.* 2006 Jul;15(4):285-8. Review.

de La Blanchardière A, Fournier PE, Haustraete E, du Cheyron D, Lepage O, Verdon R. [Infective endocarditis due to *Bartonella henselae* following a rupture of a cerebral aneurysm].[Article in French]. *Med Mal Infect.* 2009 Jun;39(6):394-6. Epub 2008 Dec 18.

de Paiva Diniz PP, Schwartz DS, de Moraes HS, Breitschwerdt EB. Surveillance for zoonotic vector-borne infections using sick dogs from southeastern Brazil. *Vector Borne Zoonotic Dis.* 2007 Winter;7(4):689-97.

de Saussure P, Bertolini D. [Functional bowel disorders: impact and limitations of evidence-based medicine].[Article in French]. *Rev Med Suisse.* 2006 Sep 6;2(77):1987-91. Review.

De Sousa R, Edouard-Fournier P, Santos-Silva M, Amaro F, Bacellar F, Raoult D. Molecular detection of *Rickettsia felis*, *Rickettsia typhi* and two genotypes closely related to *Bartonella elizabethae*. *Am J Trop Med Hyg.* 2006 Oct;75(4):727-31.

de Vries PJ, Dien TK. Clinical pharmacology and therapeutic potential of artemisinin and its derivatives in the treatment of malaria. *Drugs.* 1996 Dec;52(6):818-36.

Debarry JD, Kissinger JC. Jumbled genomes: missing apicomplexan synteny. *Mol Biol Evol.* 2011 Oct;28(10):2855-71. Epub 2011 Apr 19.

Defer G, Levy R, Brugieres P, Postic D, Degos JD. Lyme disease presenting as a stroke in the vertebrobasilar territory: MRI. *Neuroradiology.* 1993;35(7):529-31.

Dehio C. Infection-associated type IV secretion systems of *Bartonella* and their diverse roles in host cell interaction. *Cell Microbiol.* 2008 Aug;10(8):1591-8. Epub 2008 Jul 30. Review.

Dekkers MJ, Dees A, Weidema WF, Bartelsman M, Veeken H, Hart W. [Clinical thinking and decision making in practice. A man with abdominal pain, weight loss and fever].[Article in Dutch]. Ned Tijdschr Geneeskd. 2009 Jan 31;153(5):174-80.

Dekonenko EJ, Steere AC, Berardi VP, Kravchuk LN. Lyme borreliosis in the Soviet Union: a cooperative US-USSR report. J Infect Dis. 1988 Oct;158(4):748-53.

del Rio B, Seegers JF, Gomes-Solecki M. Immune Response to *Lactobacillus plantarum* Expressing *Borrelia burgdorferi* OspA Is Modulated by the Lipid Modification of the Antigen. PLoS One. 2010; 5(6): e11199. Published online 2010 June 18.

del Valle LJ, Flores L, Vargas M, García-de-la-Guarda R, Quispe RL, Ibañez ZB, Alvarado D, Ramírez P, Ruiz J. *Bartonella bacilliformis*, endemic pathogen of the Andean region, is intrinsically resistant to quinolones. Int J Infect Dis. 2010 Jun;14(6):e506-10. Epub 2009 Dec 6.

Delamater ED, Haanes M, Wiggall RH, Pillsbury DM. Studies on the life cycle of spirochetes. VIII. Summary and comparison of observations on various organisms. J Invest Dermatol. 1951 Apr;16(4):231-256.

Delamater ED, Newcomer VD, Haanes M, Wiggall RH. Studies on the life cycles of spirochaetes: I. The use of phase contrast microscopy. Am J Syph Gonorrhea Vener Dis. 1950 Mar;34(2):122-5.

Dell'Eva R, Pfeffer U, Vene R, Anfosso L, Forlani A, Albini A, Efferth T. Inhibition of angiogenesis in vivo and growth of Kaposi's sarcoma xenograft tumors by the anti-malarial artesunate. Biochem Pharmacol. 2004 Dec 15;68(12):2359-66.

Deloizy M, Devos P, Stekelorum T, Testard D, Belhadj A. Left sided sudden hemiparesis linked to a central form of Lyme disease. Rev Neurol (Paris). 2000 Dec;156(12):1154-6.

delos Santos JR, Boughan K, Bremer WG, Rizzo B, Schaefer JJ, Rikihisa Y, Needham GR, Capitini LA, Anderson DE, Oglesbee M, Ewing SA, Stich RW. Experimental infection of dairy calves with *Ehrlichia chaffeensis*. *J Med Microbiol*. 2007 Dec; 56(Pt 12):1660-8.

deLuise VP, Lesser RL, Scrimenti RJ. Lyme borreliosis. [Chapter 63] In Eye and Skin Disease, ed M.J. Mannis et al. Lippencot-Raven Publishers, Philadelphia. 1996.

Demaerel P, Crevits I, Casteels-Van Daele M, Baert AL. Meningo-radiculitis due to borreliosis presenting as low back pain only. *Neuroradiology*. 1998 Feb;40(2):126-7.

Dennis VA, Jefferson A, Singh SR, Ganapamo F, Philipp MT. Interleukin-10 Anti-Inflammatory Response to *Borrelia burgdorferi*, the Agent of Lyme Disease: a Possible Role for Suppressors of Cytokine Signaling 1 and 3. *Infect Immun*. 2006 Oct;74(10): 5780-9.

Depeyre C, Mancel E, Besson-Leaud L, Goursaud R. [Abrupt visual loss in children. Three case studies of ocular bartonellosis].[Article in French]. *J Fr Ophtalmol*. 2005 Nov;28(9):968-75.

Derbyshire ET, Franssen FJ, de Vries E, Morin C, Woodrow CJ, Krishna S, Staines HM. Identification, expression and characterisation of a *Babesia bovis* hexose transporter. *Mol Biochem Parasitol*. 2008 Oct;161(2):124-9. Epub 2008 Jun 27.

Deretic V, Levine B. Autophagy, Immunity, and Microbial Adaptations. *Cell Host Microbe*. 2009 June 18; 5(6): 527–549.

Desenclos JC, Laporte A, Brouqui P. [Louse-borne infections in humans].[Article in French]. *Med Mal Infect*. 2011 Jun;41(6):295-300. Epub 2011 Mar 30. Review.

Di Rocco A, Rogers JD, Brown R, Werner P, Bottiglieri T. S-Adenosyl-Methionine improves depression in patients with Parkinson's disease in an open-label clinical trial. *Mov Disord*. 2000 Nov;15(6):1225-9.

DiCarlo EF, Kahn LB. Inflammatory diseases of the bones and joints. Semin Diagn Pathol. 2011 Feb;28(1):53-64. Review.

Dickinson GS, Piccone H, Sun G, Lien E, Gatto L, Alugupalli KR. Toll-Like Receptor 2 Deficiency Results in Impaired Antibody Responses and Septic Shock during *Borrelia hermsii* Infection. Infect Immun. 2010 Nov;78(11):4579-88. Published online 2010 August 9.

Diederer BM, Vermeulen MJ, Verbakel H, van der Zee A, Bergmans A, Peeters MF. Evaluation of an internally controlled real-time polymerase chain reaction assay targeting the groEL gene for the detection of *Bartonella* spp. DNA in patients with suspected cat-scratch disease. Eur J Clin Microbiol Infect Dis. 2007 Sep;26(9):629-33.

Dieterle L, Kubina FG, Staudacher T, Budingen HJ. Neuro-borreliosis or intervertebral disk prolapse? Dtsch Med Wochenschr. 1989 Oct 20;114(42):1602-6.

Dietrich F, Schmidgen T, Maggi RG, Richter D, Matuschka FR, Vonthein R, Breitschwerdt EB, Kempf VA. Prevalence of *Bartonella henselae* and *Borrelia burgdorferi* sensu lato DNA in *Ixodes ricinus* ticks in Europe. Appl Environ Microbiol. 2010 Mar;76(5):1395-8. Epub 2010 Jan 8.

Dillon B, Iredell J, Breitschwerdt EB, Maggi RG. Potential limitations of the 16S-23S rRNA intergenic region for molecular detection of *Bartonella* species. J Clin Microbiol. 2005 Sep;43(9):4921-2.

Dinerman H, Steere AC. Lyme disease associated with fibromyalgia. Ann Intern Med. 1992 Aug 15;117(4):281-5.

Diniz PP, Beall MJ, Omark K, Chandrashekhar R, Daniluk DA, Cyr KE, Koterski JF, Robbins RG, Lalo PG, Hegarty BC, Breitschwerdt EB. High prevalence of tick-borne pathogens in dogs from an Indian reservation in northeastern Arizona. Vector Borne Zoonotic Dis. 2010 Mar;10(2):117-23.

Diniz PP, Billeter SA, Otranto D, De Caprariis D, Petanides T, Mylonakis ME, Koutinas AF, Breitschwerdt EB. Molecular documentation of Bartonella infection in dogs in Greece and Italy. *J Clin Microbiol.* 2009 May;47(5):1565-7. Epub 2009 Mar 4.

Diniz PP, de Moraes HS, Breitschwerdt EB, Schwartz DS. Serum cardiac troponin I concentration in dogs with ehrlichiosis. *J Vet Intern Med.* 2008 Sep-Oct;22(5):1136-43. Epub 2008 Jul 11.

Diniz PP, Maggi RG, Schwartz DS, Cadenas MB, Bradley JM, Hegarty B, Breitschwerdt EB. Canine bartonellosis: serological and molecular prevalence in Brazil and evidence of co-infection with *Bartonella henselae* and *Bartonella vinsonii* subsp. *berkhoffii*. *Vet Res.* 2007 Sep-Oct;38(5):697-710. Epub 2007 Jun 23.

Diniz PP, Wood M, Maggi RG, Sontakke S, Stepnik M, Breitschwerdt EB. Co-isolation of *Bartonella henselae* and *Bartonella vinsonii* subsp. *berkhoffii* from blood, joint and subcutaneous seroma fluids from two naturally infected dogs. *Vet Microbiol.* 2009 Sep 18;138(3-4):368-72. Epub 2009 Feb 4.

Diringer MN, Halperin JJ, Dattwyler RJ. Lyme meningoencephalitis-report of a severe, penicillin resistant case. *Arthritis Rheum.* 1987 Jun;30(6):705-8.

Disbrow GL, Baege AC, Kierpiec KA, Yuan H, Centeno JA, Thibodeaux CA, Hartmann D, Schlegel R. Dihydroartemisinin is cytotoxic to papillomavirus-expressing epithelial cells in vitro and in vivo. *Cancer Res.* 2005 Dec 1;65:10854-61.

Djukic M, Schmidt-Samoa C, Lange P, Spreer A, Neubieser K, Eiffert H, Nau R, Schmidt H. Cerebrospinal fluid findings in adults with acute Lyme neuroborreliosis. *J Neurol.* 2011 Sep 6. [Epub ahead of print]

Dobler G, Pfeffer M. Fleas as parasites of the family Canidae. *Parasit Vectors.* 2011 Jul 18;4:139.

Dodd JD, Aquino SL, Sharma A. Babesiosis: CT and hematologic findings. *J Thorac Imaging*. 2007 Aug;22(3):271-3.

Dodd RY. Emerging pathogens in transfusion medicine. *Clin Lab Med*. 2010 Jun;30(2):499-509. Epub 2010 May 6.

Dondorp AM, Omodeo-Sale F, Chotivanich K, Taramelli D, White NJ. Oxidative stress and rheology in severe malaria. *Redox Rep*. 2003;8:292-4.

Dong J, Olano JP, McBride JW, Walker DH. Emerging pathogens: challenges and successes of molecular diagnostics. *J Mol Diagn*. 2008 May;10(3):185-97. Epub 2008 Apr 10. Review.

Donnio A, Jean-Charles A, Merle H. Macular hole following *Bartonella henselae* neuroretinitis. *Eur J Ophthalmol*. 2008 May-Jun;18(3):456-8.

Donta ST. Tetracycline therapy for chronic Lyme disease. *Clin Infect Dis* Jul;25 Suppl 1:S52-6.

Donta ST. Treatment of chronic Lyme disease with macrolide antibiotics. In: Program and abstracts of the VIIIth International Conference on Lyme Borreliosis. 1999 June 20-24; Munich, Germany. [Abstract P193].

Donta ST. Macrolide therapy of chronic Lyme disease. *Med Sci Monit*. 2003 Nov;9(11):PI136-42.

Dorado Moles MJ, López-Ibor B, Figueredo MA, González Laguillo A. [Atypical cat scratch disease in an immunocompetent school-aged child].[Article in Spanish]. *An Pediatr (Barc)*. 2007 Apr;66(4):418-9.

Dörbecker C, Sander A, Oberle K, Schülin-Casonato T. In vitro susceptibility of *Bartonella* species to 17 antimicrobial compounds: comparison of Etest and agar dilution. *J Antimicrob Chemother*. 2006 Oct;58(4):784-8. Epub 2006 Aug 17.

dos Santos AP, dos Santos RP, Biondo AW, Dora JM, Goldani LZ, de Oliveira ST, de Sá Guimarães AM, Timenetsky J, de Morais HA, González FH, Messick JB. Hemoplasma infection in HIV-positive patient, Brazil. *Emerg Infect Dis.* 2008 Dec;14(12):1922-4.

dos Santos RP, Cartell A, Goldani LZ. An HIV-positive patient with cervical lymphadenopathy and skin lesions. *Clin Infect Dis.* 2007 Mar 15;44(6):849, 884-5.

Dotevall L, Eliasson T, Hagberg L, Mannheimer C. Pain as presenting symptom in Lyme neuroborreliosis. *Eur J Pain.* 2003;7(3):235-9.

Drancourt M, Berger P, Terrada C, Bodaghi B, Conrath J, Raoult D, LeHoang P. High prevalence of fastidious bacteria in 1520 cases of uveitis of unknown etiology. *Medicine (Baltimore).* 2008 May;87(3):167-76.

Drancourt M, Bodaghi B, Lepidi H, Le Hoang P, Raoult D. Intraocular detection of *Bartonella henselae* in a patient with HLA-B27 uveitis. *J Clin Microbiol.* 2004 Apr;42(4):1822-5.

Drancourt M, Carrieri P, Gévaudan MJ, Raoult D. Blood agar and *Mycobacterium tuberculosis*: the end of a dogma. *J Clin Microbiol.* 2003 Apr;41(4):1710-1.

Drancourt M, Tran-Hung L, Courtin J, Lumley H, Raoult D. *Bartonella quintana* in a 4000-year-old human tooth. *J Infect Dis.* 2005 Feb 15;191(4):607-11. Epub 2005 Jan 10.

Drebber U, Kasper HU, Ratering J, Wedemeyer I, Schirmacher P, Dienes HP, Odenthal M. Hepatic granulomas: histological and molecular pathological approach to differential diagnosis--a study of 442 cases. *Liver Int.* 2008 Jul;28(6):828-34.

Dreier J, Vollmer T, Freytag CC, Bäumer D, Körfer R, Kleesiek K. Culture-negative infectious endocarditis caused by *Bartonella* spp.: 2 case reports and a review of the literature. *Diagn Microbiol Infect Dis.* 2008 Aug;61(4):476-83. Epub 2008 May 1. Review.

Dressler F, Ackermann R, Steere AC. Antibody responses to the three genomic groups of *Borrelia burgdorferi* in European Lyme borreliosis. *J Infect Dis.* 1994 Feb;169(2):313-8.

Dressler F, Yoshinari NH, Steere AC. The T-cell proliferative assay in the diagnosis of Lyme disease. *Ann Intern Med.* 1991 Oct 1;115(7):533-9.

Dressler F, Whalen JA, Reinhardt BN, Steere AC. Western blotting in the serodiagnosis of Lyme disease. *J Infect Dis.* 1993 Feb;167(2):392-400.

Drevets DA, Leenen PJ, Greenfield RA. Invasion of the Central Nervous System by Intracellular Bacteria. *Clin Microbiol Rev.* 2004 Apr;17(2):323-47.

Drouin EE, Glickstein L, Kwok WW, Nepom GT, Steere AC. Searching for borrelial T cell epitopes associated with antibiotic-refractory Lyme arthritis. *Mol Immunol.* 2008 Apr;45(8):2323-32. Epub 2008 Jan 11. Erratum in: *Mol Immunol.* 2008 Jul;45(12):3508.

Drouin EE, Glickstein L, Kwok WW, Nepom GT, Steere AC. Human homologues of a *Borrelia* T cell epitope associated with antibiotic-refractory Lyme arthritis. *Mol Immunol.* 2008 Jan;45(1):180-9. Epub 2007 Jun 6.

Drouin EE, Glickstein LJ, Steere AC. Molecular characterization of the OspA(161-175) T cell epitope associated with treatment-resistant Lyme arthritis: differences among the three pathogenic species of *Borrelia burgdorferi* sensu lato. *J Autoimmun.* 2004 Nov;23(3):281-92.

Drummond MR, Gilioli R, Velho PE. Bartonellosis diagnosis requires careful evaluation. *Braz J Infect Dis.* 2010 May-Jun;14(3):217.

Dubey JP, Lappin MR, Kwok OC, Mofya S, Chikweto A, Baffa A, Doherty D, Shakeri J, Macpherson CN, Sharma RN. Seroprevalence of *Toxoplasma gondii* and concurrent *Bartonella* spp., feline immunodeficiency virus, and feline leukemia virus infections in cats from Grenada, West Indies. *J Parasitol.* 2009 Oct;95(5):1129-33. Epub 2009 Apr 22.

Duchemin JB, Fournier PE, Parola P. [Fleas and diseases transmissible to man].[Article in French]. *Med Trop (Mars).* 2006 Feb;66(1):21-9.

Duh D, Jelovsek M, Avsic-Zupanc T. Evaluation of an indirect fluorescence immunoassay for the detection of serum antibodies against *Babesia divergens* in humans. *Parasitology.* 2007 Feb;134(Pt 2):179-85. Epub 2006 Oct 11.

Duijvestijn AM, Horst E, Pals ST, Rouse BN, Steere AC, Picker LJ, Meijer CJ, Butcher EC. High endothelial differentiation in human lymphoid and inflammatory tissues defined by monoclonal antibody HECA-452. *Am J Pathol.* 1988 Jan;130(1):147-55.

Dulebohn DP, Bestor A, Rego RO, Stewart PE, Rosa PA. *Borrelia burgdorferi* linear plasmid 38 is dispensable for completion of the mouse-tick infectious cycle. *Infect Immun.* 2011 Sep;79(9):3510-7. Epub 2011 Jun 27.

Dumler JS. Fitness and freezing: vector biology and human health. *J Clin Invest.* 2010 Sep 1;120(9):3087-90. Published online 2010 August 25.

Dummond R. Ticks and what you can do about them. *Wilderness Press;Berkeley, CA:* 2004. p.59-69.

Duncan AW, Maggi RG, Breitschwerdt EB. A combined approach for the enhanced detection and isolation of *Bartonella* species in dog blood samples: pre-enrichment liquid culture followed by PCR and subculture onto agar plates. *J Microbiol Methods.* 2007 May;69(2):273-81. Epub 2007 Feb 2.

Duncan AW, Maggi RG, Breitschwerdt EB. Bartonella DNA in dog saliva. *Emerg Infect Dis.* 2007 Dec;13(12):1948-50.

Duncan AW, Marr HS, Birkenheuer AJ, Maggi RG, Williams LE, Correa MT, Breitschwerdt EB. Bartonella DNA in the blood and lymph nodes of Golden Retrievers with lymphoma and in healthy controls. *J Vet Intern Med.* 2008 Jan-Feb;22(1):89-95.

Dunning Hotopp JC, Lin M, Madupu R, Crabtree J, Angiuoli SV, Eisen J, Seshadri R, Ren Q, Wu M, Utterback TR, Smith S, Lewis M, Khouri H, Zhang C, Niu H, Lin Q, Ohashi N, Zhi N, Nelson W, Brinkac LM, Dodson RJ, Rosovitz MJ, Sundaram J, Daugherty SC, Davidsen T, Durkin AS, Gwinn M, Haft DH, Selengut JD, Sullivan SA, Zafar N, Zhou L, Benahmed F, Forberger H, Halpin R, Mulligan S, Robinson J, White O, Rikihisa Y, Tettelin H. Comparative Genomics of Emerging Human Ehrlichiosis Agents. *PLoS Genet.* 2006 Feb; 2(2):e21. Published online 2006 February 17. Correction in: *PLoS Genet.* 2006 Dec; 2(12):e213.

Dupeyron A, Lecocq J, Jaulhac B, Isner-Horobeti ME, Vautravers P, Vautravers P, Cohen-Solal J, Sordet C, Kuntz JL. Sciatica, disk herniation, and neuroborreliosis: A report of four cases. *Joint Bone Spine.* 2004 Sep;71(5):433-7.

Dupouy-Camet J. [New drugs for the treatment of human parasitic protozoa]. [Article in French]. *Parassitologia.* 2004 Jun;46(1-2):81-4.

Durá Travé T, Yoldi Petri ME, Lavilla Oiz A, Molins Castiella T. [Neuroretinitis in cat-scratch disease].[Article in Spanish]. *An Pediatr (Barc).* 2010 Apr;72(4):290-1. Epub 2010 Mar 2.

Duray PH, Steere AC. The spectrum of organ and systems pathology in human Lyme disease. *Zentralbl Bakteriol Mikrobiol Hyg A.* 1986 Dec;263(1-2):169-78.

Duray PH, Steere AC. Clinical pathologic correlations of Lyme disease by stage. *Ann N Y Acad Sci.* 1988;539:65-79.

Duray PH. Clinical pathologic correlations of Lyme disease. Rev Infect Dis. 1989 Sep-Oct;11, Suppl. 6: S1487-93.

Duray PH, Johnson RC. The histopathology of experimentally infected hamsters with the Lyme disease spirochete, *Borrelia burgdorferi*. Proc Soc Exp Biol Med. 1986 Feb;181(2):263-9.

Duray PH. Visceral histopathology in Lyme borreliosis: new observations. Zentralbl Bacteriol 1989. (Suppl), 18:116-125.

Durupt F, Seve P, Roure C, Biron F, Raoult D, Broussolle C. Liver and spleen abscesses without endocarditis due to *Bartonella quintana* in an immunocompetent host. Eur J Clin Microbiol Infect Dis. 2004 Oct;23(10):790-1.

Dutta A, Schwarzwald HL, Edwards MS. Disseminated bartonellosis presenting as neuroretinitis in a young adult with human immunodeficiency virus infection. Pediatr Infect Dis J. 2010 Jul;29(7):675-7.

Dutton JS, Todd JL. A note on the morphology of *Spirochaeta Duttoni*. Lancet. 1907;2:1523.

Dvoraková HM, Dvorácková M. [Babesiosis, a little known zoonosis]. [Article in Czech]. Epidemiol Mikrobiol Imunol. 2007 Nov;56(4):176-80. Review.

Dykhuisen DE, Brisson D, Sandigursky S, Wormser GP, Nowakowski J, Nadelman RB, Schwartz I. The propensity of different *Borrelia burgdorferi* sensu stricto genotypes to cause disseminated infections in humans. Am J Trop Med Hyg. 2008 May;78(5):806-10.

Dzelalija B, Medić A, Rode OD, Mazzi A. [Rash and purulent lymphadenitis in cat scratch disease].[Article in Croatian]. Acta Med Croatica. 2006 Dec;60(5):483-6.

Earl TJ. Cardiac manifestations of Lyme disease. Med Health R I. 2010 Nov;93(11):339-41.

Earnhart CG, Rhodes DV, Marconi RT. Disulfide-mediated oligomer formation in *Borrelia burgdorferi* outer surface protein C, a critical virulence factor and potential Lyme disease vaccine candidate. *Clin Vaccine Immunol.* 2011 Jun;18(6):901-6. Epub 2011 Apr 27.

Easterbrook JD, Kaplan JB, Vanasco NB, Reeves WK, Purcell RH, Kosoy MY, Glass GE, Watson J, Klein SL. A survey of zoonotic pathogens carried by Norway rats in Baltimore, Maryland, USA. *Epidemiol Infect.* 2007 Oct;135(7):1192-9. Epub 2007 Jan 15.

Eberhardt C, Engelmann S, Kusch H, Albrecht D, Hecker M, Autenrieth IB, Kempf VA. Proteomic analysis of the bacterial pathogen *Bartonella henselae* and identification of immunogenic proteins for serodiagnosis. *Proteomics.* 2009 Apr;9(7):1967-81.

Ecklund K, Vargas S, Zurakowski D, Sundel RP. MRI features of Lyme arthritis in children. *Am J Roentgenol.* 2005 Jun;184(6):1904-9.

Eckman MH, Steere AC, Kalish RA, Pauker SG. Cost effectiveness of oral as compared with intravenous antibiotic therapy for patients with early Lyme disease or Lyme arthritis. *N Engl J Med.* 1997 Jul 31;337(5):357-63.

Edouard S, Gonin K, Turc Y, Angelakis E, Socolovschi C, Raoult D. Eschar and neck lymphadenopathy caused by *Francisella tularensis* after a tick bite: a case report. *J Med Case Reports.* 2011 Mar 19;5:108.

Edouard S, Raoult D. [Bartonella henselae, an ubiquitous agent of proteiform zoonotic disease].[Article in French]. *Med Mal Infect.* 2010 Jun;40(6):319-30. Epub 2009 Dec 29. Review.

Edstein MD, Kocisko DA, Brewer TG, Walsh DS, Eamsila C, Charles BG. Population pharmacokinetics of the new antimalarial agent tafenoquine in Thai soldiers. *Br J Clin Pharmacol.* 2001 Dec;52(6):663-70.

Edstein MD, Kocisko DA, Walsh DS, Eamsila C, Charles BG, Rieckmann KH. Plasma concentrations of tafenoquine, a new long-acting antimalarial agent, in Thai soldiers receiving monthly prophylaxis. *Clin Infect Dis.* 2003 Dec 15;37(12):1654-8. Epub 2003 Nov 20.

Edstein MD, Nasveld PE, Kocisko DA, Kitchener SJ, Gatton ML, Rieckmann KH. Gender differences in gastrointestinal disturbances and plasma concentrations of tafenoquine in healthy volunteers after tafenoquine administration for post-exposure vivax malaria prophylaxis. *Trans R Soc Trop Med Hyg.* 2007 Mar;101(3):226-30. Epub 2006 Jun 30.

Edwards KS, Kanengiser S, Li KI, Glassman M. Lyme disease presenting as hepatitis and jaundice in a child. *Pediatr Infect Dis J.* 1990 Aug;9(8):592-3.

Efferth T, Dunstan H, Sauerbrey A, Miyachi H, Chitambar CR. The anti-malarial artesunate is also active against cancer. *Int J Oncol.* 2001 Apr;18(4):767-73.

Efferth T, Olbrich A, Bauer R. mRNA expression profiles for the response of human tumor cell lines to the antimalarial drugs artesunate, arteether, and artemether. *Biochem Pharmacol.* 2002 Aug 15;64(4):617-23.

Efferth T, Benakis A, Romero MR, Tomicic M, Rauh R, Steinbach D, Hafer R, Stamminger T, Oesch F, Kaina B, Marschall M. Enhancement of cytotoxicity of artemisinins toward cancer cells by ferrous iron. *Free Radic Biol Med.* 2004 Oct 1;37(7):998-1009.

Efferth T. Molecular pharmacology and pharmacogenomics of artemisinin and its derivatives in cancer cells. *Curr Drug Targets.* 2006 Apr;7(4):407-21.

Egan TJ. Chloroquine and primaquine: combining old drugs as a new weapon against falciparum malaria? *Trends Parasitol.* 2006 Jun;22(6):235-7. Epub 2006 Apr 3.

Eglantin F, Hamdad F, El Samad Y, Monge AS, Sevestre H, Eb F, Schmit JL. [The diagnosis of cat-scratch-disease-associated adenitis: diagnostic value of serology and polymerase chain reaction].[Article in French]. *Pathol Biol (Paris)*. 2008 Nov-Dec;56(7-8):461-6. Epub 2008 Oct 7.

Ehrenborg C, Byström R, Hjelm E, Friman G, Holmberg M. High *Bartonella* spp. seroprevalence in a Swedish homeless population but no evidence of trench fever. *Scand J Infect Dis*. 2008;40(3):208-15. Epub 2007 Sep 6.

Ehrenborg C, Hagberg S, Alden J, Makitalo S, Myrdal G, Larsson E, Hjelm E, Friman G. First known case of *Bartonella quintana* endocarditis in Sweden. *Scand J Infect Dis*. 2009;41(1):73-5.

Eichhorn-Sens J, Bund T, Vogt PM. [Painful soft-tissue swelling of the upper arm].[Article in German]. *Chirurg*. 2008 Mar;79(3):249-51.

Eidlitz-Markus T, Zeharia A. Images in clinical medicine. Cat scratch disease lymphadenopathy. *N Engl J Med*. 2006 Apr 27;354(17):e17.

Eisen RJ, Gage KL. Transmission of Flea-Borne Zoonotic Agents. *Annu Rev Entomol*. 2010 Dec 15. [Epub ahead of print]

El-Bahnasawy MM, Morsy TA. Egyptian human babesiosis and general review. *J Egypt Soc Parasitol*. 2008 Apr;38(1):265-72.

Ellis TN, Kuehn MJ. Virulence and Immunomodulatory Roles of Bacterial Outer Membrane Vesicles. *Microbiol Mol Biol Rev*. 2010 March ;74(1): 81-94. Published online 2009 December 14.

Elsheikha HM, Khan NA. Protozoa traversal of the blood-brain barrier to invade the central nervous system. *FEMS Microbiol Rev*. 2010 Jul;34(4):532-53. Epub 2010 Feb 6. Review.

Embers ME, Wormser GP, Schwartz I, Martin DS, Philipp MT. *Borrelia burgdorferi* spirochetes that harbor only a portion of the lp28-1 plasmid elicit antibody responses detectable with the C6 test for Lyme disease. *Clin Vaccine Immunol.* 2007 Jan;14(1):90-3. Epub 2006 Nov 15.

Engel P, Dehio C. Genomics of host-restricted pathogens of the genus *bartonella*. *Genome Dyn.* 2009;6:158-69. Epub 2009 Aug 19.

Engel P, Salzburger W, Liesch M, Chang CC, Maruyama S, Lanz C, Calteau A, Lajus A, Médigue C, Schuster SC, Dehio C. Parallel evolution of a type IV secretion system in radiating lineages of the host-restricted bacterial pathogen *Bartonella*. *PLoS Genet.* 2011 Feb 10;7(2):e1001296.

Engelmann S, Silvie O, Matuschewski K. Disruption of *Plasmodium* sporozoite transmission by depletion of sporozoite invasion-associated protein 1. *Eukaryot Cell.* 2009 Apr;8(4):640-8. Epub 2009 Jan 30.

Eremeeva ME, Gerns HL, Lydy SL, Goo JS, Ryan ET, Mathew SS, Ferraro MJ, Holden JM, Nicholson WL, Dasch GA, Koehler JE. Bacteremia, fever, and splenomegaly caused by a newly recognized *bartonella* species. *N Engl J Med.* 2007 Jun 7;356(23):2381-7.

Eroğlu C, Candır N, Dervişoğlu A, Kefeli M. [A case of cat scratch disease].[Article in Turkish]. *Mikrobiyol Bul.* 2007 Oct;41(4):603-6.

Eskow ES, Krause PJ, Spielman A, Freeman K, Aslanzadeh J. Southern extension of the range of human babesiosis in the eastern United States. *J Clin Microbiol.* 1999 Jun;37(6):2051-2.

Eskow E, Rao RV, Mordechai E. Concurrent infection of the central nervous system by *Borrelia burgdorferi* and *Bartonella henselae*: evidence for a novel tick-borne disease complex. *Arch Neurol.* 2001 Sep;58(9):1357-63.

Espana A, Torrelo A, Guerrero A, Suarez J, Rocamora A, Ledo A. Periarticular fibrous nodules in Lyme borreliosis. *Br J Dermatol.* 1991 Jul;125(1):68-70.

Espinoza-León F, Arocha F, Hassanni M, Arévalo J. [Using the polymerase chain reaction to *Borrelia burgdorferi* infection in localized scleroderma injure (morphia), in Venezuelan patients].[Article in Spanish]. *Invest Clin.* 2010 Sep;51(3):381-90.

Espy MJ, Uhl JR, Sloan LM, Buckwalter SP, Jones MF, Vetter EA, Yao JD, Wengenack NL, Rosenblatt JE, Cockerill FR 3rd, Smith TF. Real-Time PCR in Clinical Microbiology: Applications for Routine Laboratory Testing. *Clin Microbiol Rev.* 2006 Jan;19(1):165–256. Correction in: *Clin Microbiol Rev.* 2006 July;19(3):595.

Estrada-Peña A, Acevedo P, Ruiz-Fons F, Gortázar C, de la Fuente J. Evidence of the Importance of Host Habitat Use in Predicting the Dilution Effect of Wild Boar for Deer Exposure to *Anaplasma* spp. *PLoS ONE.* 2008 Aug 20;3(8):e2999. Published online 2008 August 20.

European Academy of Paediatrics, Barcelona, Spain, October 7-10, 2006. *Eur J Pediatr.* 2006 Nov;165 Suppl 1:1–389. Published online 2006 December 20.

Ewing J. Note on involution forms of *Spirochaete pallida* in gummata. *Proceedings of the New York Path. Soc., n.s.* 7:166-171. 1907-8.

Eymen G, Zapata A, Andrade M, Aizman A, Rojas L, Rabagliati R. [Cat-scratch disease. Review of eight adult patients hospitalized for fever or adenopathy].[Article in Spanish]. *Rev Med Chil.* 2006 Oct;134(10):1243-8. Epub 2006 Dec 13.

Ezzelarab M, Yeh P, Wagner R, Cooper DK. Babesia as a complication of immunosuppression following pig-to-baboon heart transplantation. *Xenotransplantation.* 2007 Mar;14(2):162-5. Erratum in: *Xenotransplantation.* 2007 Jul;14(4):374.

Falagas ME, Klempner MS. Babesiosis in patients with AIDS: a chronic infection presenting as fever of unknown origin. *Clin Infect Dis.* 1996 May;22(5):809-812.

Falco RC, McKenna DF, Daniels TJ, Nadelman RB, Nowakowski J, Fish D, Wormser GP. Temporal relation between *Ixodes scapularis* abundance and risk for Lyme disease associated with erythema migrans. *Am J Epidemiol.* 1999 Apr 15;149(8):771-6.

Faller J, Thompson F, Hamilton W. Foot and ankle disorders resulting from Lyme disease. *Foot & Ankle.* (11)4:236-238 1991.

Fallon, BA. Testimony at public hearings in re Lyme disease for the State of Connecticut Department of Public Health. 2004: p. 134-153.

Fallon BA, Das S, Plutchok JJ, Tager F, Liegner K, Van Heertum R. Functional brain imaging and neuropsychological testing in Lyme disease. *Clin Infect Dis.* 1997 Jul;25 Suppl 1:S57-63. Review.

Fallon BA, Keilp JG, Corbera KM, Petkova E, Britton CB, Dwyer E, Slavov I, Cheng J, Dobkin J, Nelson DR, Sackeim HA. A randomized, placebo-controlled trial of repeated IV antibiotic therapy for Lyme encephalopathy. *Neurology.* 2008 Mar 25;70(13):992-1003. Epub 2007 Oct 10.

Fallon BA, Keilp J, Prohovnik I, Heertum RV, Mann JJ. Regional cerebral blood flow and cognitive deficits in chronic lyme disease. *J Neuropsychiatry Clin Neurosci.* 2003 Summer;15(3):326-32.

Fallon BA, Kochevar JM, Gaito A, Nields JA. The underdiagnosis of neuropsychiatric Lyme disease in children and adults. *Psychiatr Clin North Am.* 1998 Sep;21(3):693-703, viii. Review.

Fallon BA, Levin ES, Schweitzer PJ, Hardesty D. Inflammation and central nervous system Lyme disease. *Neurobiol Dis.* 2010 Mar;37(3):534-41. Epub 2009 Nov 26. Review.

Fallon BA, Lipkin RB, Corbera KM, Yu S, Nobler MS, Keilp JG, Petkova E, Lisanby SH, Moeller JR, Slavov I, Van Heertum R, Mensh BD, Sackeim HA. Regional cerebral blood flow and metabolic rate in persistent Lyme encephalopathy. *Arch Gen Psychiatry*. 2009 May;66(5):554-63.

Fallon BA, Nields JA. Lyme disease: a neuropsychiatric illness. *Am J Psychiatry*. 1994 Nov;151(11):1571-83. Review.

Fallon BA, Nields JA. Acute disseminated encephalomyelitis. *J Neuropsychiatry Clin Neurosci*. 1998 Summer;10(3):366-7.

Fallon BA, Nields JA, Burrascano JJ, Liegner K, DelBene D, Liebowitz MR. The neuropsychiatric manifestations of Lyme borreliosis. *Psychiatr Q*. 1992 Spring;63(1):95-117. Review.

Fallon BA, Nields JA, Parsons B, Liebowitz MR, Klein DF. Psychiatric manifestations of Lyme borreliosis. *J Clin Psychiatry*. 1993 Jul;54(7):263-8.

Fallon BA, Schwartzberg M, Bransfield R, Zimmerman B, Scotti A, Weber CA, Liebowitz MR. Late-stage neuropsychiatric Lyme borreliosis. Differential diagnosis and treatment. *Psychosomatics*. 1995 May-Jun;36(3):295-300.

Fallon BA, Tager F, Keilp J, Weiss N, Liebowitz MR, Fein L, Liegner K. Repeated antibiotic treatment in chronic Lyme disease. *J Spirochetal Tick Dis*. 1999;6:94-101.

Fallon J, Bujak DI, Guardino S, Weinstein A. The Fibromyalgia Impact Questionnaire: a useful tool in evaluating patients with post-Lyme disease syndrome. *Arthritis Care Res*. 1999 Feb;12(1):42-7.

Family-Pigné D, Mouchet B, Lousteau V, Borie MF, Deforges L, Lesprit P, Godeau B. [Hepatosplenic localization of cat scratch disease: two cases in immunocompetent adult patients].[Article in French]. *Rev Med Interne*. 2006 Oct;27(10):772-5. Epub 2006 Jul 7.

Fantham HB, Cantab MA. Spirochaetes and their granule phase. Br Med J. 1916 Mar 18;1(2881):409-11

Fardet L, Revuz J. [Synthetic antimalarials]. [Article in French]. Ann Dermatol Venereol. 2005 Aug-Sep;132(8-9 Pt 1):665-74.

Faul JL, Ruoss S, Doyle RL, Kao PN. Diaphragmatic paralysis due to Lyme disease. Eur Respir J, 13(3):700-2. 1999.

Faulde M, Hoffmann G. Vorkommen und Verhutung vertorassozierter Erkrankungen des Menschen in Deutschland unter Berucksichtigung zoonotischer Aspekte. Bundesgesundheitsbl. – Gesundheitsforsch. – Gesundheitsschutz. 2001;44:116-136.

Feder HM Jr, Gerber MA, Krause PJ, Ryan R, Shapiro ED. Early Lyme disease: a flu-like illness without erythema migrans. Pediatrics. 1993 Feb;91(2):456-9. Review.

Feder HM Jr, Gerber MA, Luger SW, Ryan RW. Persistence of serum antibodies to *Borrelia burgdorferi* in patients treated for Lyme disease. Clin Infect Dis. 1992 Nov;15(5):788-93.

Feder HM Jr, Johnson BJ, O'Connell S, Shapiro ED, Steere AC, Wormser GP; Ad Hoc International Lyme Disease Group, Agger WA, Artsob H, Auwaerter P, Dumler JS, Bakken JS, Bockenstedt LK, Green J, Dattwyler RJ, Munoz J, Nadelman RB, Schwartz I, Draper T, McSweegan E, Halperin JJ, Klempner MS, Krause PJ, Mead P, Morshed M, Porwancher R, Radolf JD, Smith RP Jr, Sood S, Weinstein A, Wong SJ, Zemel L. A critical appraisal of "chronic Lyme disease". N Engl J Med. 2007 Oct 4;357(14):1422-30. Review

Feder HM Jr, Zalneraitis EL, Reik L Jr. Lyme disease: Acute focal meningoencephalitis in a child. Pediatrics. 1988. Dec;82(6):931-4.

Feng HM, Walker DH. Mechanisms of Immunity to *Ehrlichia muris*: a Model of Monocytotropic Ehrlichiosis. Infect Immun. 2004 Feb;72(2): 966-71.

Feng S, Kasten RW, Werner JA, Hodzic E, Barthold SW, Chomel BB. Immunogenicity of *Bartonella henselae* P26 in cats. *Vet Immunol Immunopathol.* 2009 Dec 15;132(2-4):251-6. Epub 2009 May 18.

Fenimore A, Varanat M, Maggi R, Schultheiss P, Breitschwerdt E, Lappin MR. *Bartonella* spp. DNA in cardiac tissues from dogs in Colorado and Wyoming. *J Vet Intern Med.* 2011 May-Jun;25(3):613-6.

Fenollar F, Lepidi H, Raoult D. Whipple's endocarditis: review of the literature and comparisons with Q fever, *Bartonella* infection, and blood culture-positive endocarditis. *Clin Infect Dis.* 2001 Oct 15;33(8):1309-16. Epub 2001 Sep 14. Review.

Fenollar F, Raoult D. Diagnosis of rickettsial diseases using samples dried on blotting paper. *Clin Diagn Lab Immunol.* 1999 Jul;6(4):483-8.

Fenollar F, Raoult D. Molecular genetic methods for the diagnosis of fastidious microorganisms. *APMIS.* 2004 Nov-Dec;112(11-12):785-807. Review.

Fenollar F, Sire S, Raoult D. *Bartonella vinsonii* subsp. *arupensis* as an agent of blood culture-negative endocarditis in a human. *J Clin Microbiol.* 2005 Feb;43(2):945-7. Erratum in: *J Clin Microbiol.* 2005 Sep;43(9):4923. Wilhelm, Nathalie [removed].

Fernández-González E, de Paz HD, Alperi A, Agúndez L, Faustmann M, Sangari FJ, Dehio C, Llosa M. Transfer of R388 derivatives by a pathogenesis-associated type IV secretion system into both bacteria and human cells. *J Bacteriol.* 2011 Sep 9. [Epub ahead of print]

Fernández-López R, Garcillán-Barcia MP, Revilla C, Lázaro M, Vielva L, de la Cruz F. Dynamics of the IncW genetic backbone imply general trends in conjugative plasmid evolution. *FEMS Microbiol Rev.* 2006 Nov;30(6):942-66. Epub 2006 Oct 6. Review.

Ferraro V, Mantoux F, Denis K, Lay-Macagno MA, Ortonne JP, Lacour JP. [Hallucinations during treatment with hydrochloroquine]. *Ann Dermatol Venereol.* 2004 May;131(5):471-3. [Article in French].

Ferreira JFS, Janick J. Distribution of artemisinin in *Artemisia annua*. In: Progress in new crops. Ed. J. Janick. Arlington, VA: ASHS Press. 1996; pp.579-584.

Ferrés G M, Abarca V K, Prado D P, Montecinos P L, Navarrete C M, Vial C PA. [Prevalence of *Bartonella henselae* antibodies in Chilean children, adolescents and veterinary workers].[Article in Spanish]. Rev Med Chil. 2006 Jul;134(7):863-7. Epub 2006 Aug 29.

Ferrés M, Abarca K, Godoy P, García P, Palavecino E, Méndez G, Valdés A, Ernst S, Thibaut J, Koberg J, Chanqueo L, Vial PA. [Presence of *Bartonella henselae* in cats: natural reservoir quantification and human exposition risk of this zoonoses in Chile]. [Article in Spanish]. Rev Med Chil. 2005 Dec;133(12):1465-71. Epub 2006 Jan 27.

Ferris i TortajadaJ, Lopez-Andreu JA, Salcede-Vivo J, Sala-Lizarraga JA. Lyme borreliosis. [Letter]. 1995. Lancet. 1995 Jun 3;345(8962):1436-7.

Fikrig, E Narasimhan, S. Neelakanta, G, Pal U, Chen M, Flavell, R. Toll-Like Receptors 1 and 2 Heterodimers Alter *Borrelia burgdorferi* Gene Expression in Mice and Ticks. J Infect Dis. 2009 October 15; 200(8): 1331–1340.

Filgueira L, Beermann C, Groscurth P. Liposome-like vesicles from *Borrelia burgdorferi* modulate the function of human dendritic cells. J Invest Dermatol. 2000 ;114(1):23.

Final Diagnosis—Babesiosis. [cited 2006 Jul 3]. Available from: <http://path.upmc.edu/cases/case332/dx.html>.

Fisher W. Images in emergency medicine. *Bartonella henselae* lymphadenitis. Ann Emerg Med. 2007 Jul;50(1):90, 97.

Fishwick L, McLean WG, Edwards G, Ward SA. The toxicity of artemisinin and related compounds on neuronal and glial cells in culture. Chem. Biol. Interact. 1995 Jun 14;96(3):263-71.

Fishwick L, Edwards G, Ward SA, McLean WG. Binding of dihydroartemisinin to differentiating neuroblastoma cells and rat cortical homogenate. *Neurotoxicology*. 1998 Jun;19(3):405-12.

Fishwick L, Edwards G, Ward SA, McLean WG. Morphological and immunocytochemical effects of dihydroartemisinin on differentiating NB2a neuroblastoma cells. *Neurotoxicology*. 1998 Jun;19(3):393-403.

Fister RD, Weymouth LA, McLaughlin JC, et al. Comparative evaluation of three products for the detection of *Borrelia burgdorferi* antibody in human serum. *J Clin Microbiol*. 1989 Dec;27(12):2834-7.

Flach AJ, Lavoie PE. Episcleritis, conjunctivitis, and keratitis as ocular manifestations of Lyme disease. *Ophthalmology*. 1990 Aug;97(8):973-5.

Flodr P. [What is your diagnosis? 1. Lymphadenopathy in sarcoidosis. 2. Toxoplasmic lymphadenitis (Piringer-Kuchinkov). 3. Reactive (paraneoplastic) granulomatous lymphadenopathy. 4. Granulomatous cat-scratch lymphadenitis].[Article in Czech]. *Cesk Patol*. 2011 Jul;47(3):122-4.

Florescu D, Sordillo PP, Glyptis A, Zlatanic E, Smith B, Polksy B, Sordillo E. Splenic infarction in human babesiosis: two cases and discussion. *Clin Infect Dis*. 2008 Jan 1;46(1):e8-11.

Florin TA, Zaoutis TE, Zaoutis LB. Beyond cat scratch disease: widening spectrum of *Bartonella henselae* infection. *Pediatrics*. 2008 May;121(5):e1413-25. Epub 2008 Apr 28. Review.

Florin-Christensen M, Schnittger L. Piroplasmids and ticks: a long-lasting intimate relationship. *Front Biosci*. 2009 Jan 1;14:3064-73. Review.

Focus Technologies. *Bartonella Antibody Panel, IFA (Serum)*. Code 4020. And *Bartonella DNA, PCR*. Code 47000. [http://www.focusdx.com/focus/1-reference\\_laboratory/search\\_frame.asp?f=2](http://www.focusdx.com/focus/1-reference_laboratory/search_frame.asp?f=2). Accessed September 6, 2007.

Foley JE, Nieto NC. The ecology of tick-transmitted infections in the redwood chipmunk (*Tamias ochrogenys*). *Ticks Tick Borne Dis.* 2011 Jun;2(2):88-93.

Fomenko NV, Borgoiakov VIu, Panov VV. [Genetic features of *Borrelia miyamotoi* transmitted by *Ixodes persulcatus*].[Article in Russian]. *Mol Gen Mikrobiol Virusol.* 2011;(2):12-7.

Fomenko NV, Livanova NN, Borgoiakov VIu, Kozlova IV, Shulaikina IV, Pukhovskaya NM, Tokarevich KN, Livanov SG, Doroshchenko EK, Ivanov LI. [Detection of *Borrelia miyamotoi* in ticks *Ixodes persulcatus* from Russia]. [Article in Russian]. *Parazitologija.* 2010 May-Jun;44(3):201-11.

Fonollosa A, Galdos M, Artaraz J, Perez-Irezabal J, Martinez-Alday N. Occlusive vasculitis and optic disk neovascularization associated with neuroretinitis. *Ocul Immunol Inflamm.* 2011 Feb;19(1):62-4. Epub 2010 Oct 31.

Font RL, Del Valle M, Mitchell BM, Boniuk M. Cat-scratch uveitis confirmed by histological, serological, and molecular diagnoses. *Cornea.* 2011 Apr;30(4):468-71.

Forbes SJ, Eschmann M, Mantis NJ. Inhibition of *Salmonella enterica* Serovar Typhimurium Motility and Entry into Epithelial Cells by a Protective Antilipopolysaccharide Monoclonal Immunoglobulin A Antibody. *Infect Immun.* 2008 Sep; 76(9):4137-44. Published online 2008 July 14.

Fouch B, Coventry S. A case of fatal disseminated *Bartonella henselae* infection (cat-scratch disease) with encephalitis. *Arch Pathol Lab Med.* 2007 Oct;131(10):1591-4.

Foucault C, Barrau K, Brouqui P, Raoult D. *Bartonella quintana* Bacteremia among Homeless People. *Clin Infect Dis.* 2002 Sep 15;35(6):684-9. Epub 2002 Aug 20.

Foucault C, Brouqui P, Raoult D. *Bartonella quintana* characteristics and clinical management. *Emerg Infect Dis.* 2006 Feb;12(2):217-23. Review.

Foucault C, La Scola B, Lindroos H, Andersson SG, Raoult D. Multispacer typing technique for sequence-based typing of *Bartonella quintana*. *J Clin Microbiol.* 2005 Jan;43(1):41-8.

Foucault C, Raoult D, Brouqui P. Randomized open trial of gentamicin and doxycycline for eradication of *Bartonella quintana* from blood in patients with chronic bacteremia. *Antimicrob Agents Chemother.* 2003 Jul;47(7):2204-7.

Foucault C, Rolain JM, Raoult D, Brouqui P. Detection of *Bartonella quintana* by direct immunofluorescence examination of blood smears of a patient with acute trench fever. *J Clin Microbiol.* 2004 Oct;42(10):4904-6.

Fouch B, Coventry S. A case of fatal disseminated *Bartonella henselae* infection (cat-scratch disease) with encephalitis. *Arch Pathol Lab Med.* 2007 Oct;131(10):1591-4.

Fournier PE, Couderc C, Buffet S, Flaudrops C, Raoult D. Rapid and cost-effective identification of *Bartonella* species using mass spectrometry. *J Med Microbiol.* 2009 Sep;58(Pt 9):1154-9. Epub 2009 Jun 15.

Fournier PE, Lelievre H, Eykyn SJ, Mainardi JL, Marrie TJ, Bruneel F, Roure C, Nash J, Clave D, James E, Benoit-Lemercier C, Deforges L, Tissot-Dupont H, Raoult D. Epidemiologic and clinical characteristics of *Bartonella quintana* and *Bartonella henselae* endocarditis: a study of 48 patients. *Medicine (Baltimore).* 2001 Jul;80(4):245-51.

Fournier PE, Mainardi JL, Raoult D. Value of microimmuno-fluorescence for diagnosis and follow-up of *Bartonella* endocarditis. *Clin Diagn Lab Immunol.* 2002 Jul;9(4):795-801.

Fournier PE, Minnick MF, Lepidi H, Salvo E, Raoult D. Experimental model of human body louse infection using green fluorescent protein-expressing *Bartonella quintana*. *Infect Immun.* 2001 Mar;69(3):1876-9.

Fournier PE, Ndihokubwayo JB, Guidran J, Kelly PJ, Raoult D. Human pathogens in body and head lice. *Emerg Infect Dis.* 2002 Dec;8(12):1515-8. Review.

Fournier PE, Robson J, Zeaiter Z, McDougall R, Byrne S, Raoult D. Improved culture from lymph nodes of patients with cat scratch disease and genotypic characterization of *Bartonella henselae* isolates in Australia. *J Clin Microbiol.* 2002 Oct;40(10):3620-4.

Fournier PE, Taylor C, Rolain JM, Barrassi L, Smith G, Raoult D. *Bartonella australis* sp. nov. from kangaroos, Australia. *Emerg Infect Dis.* 2007 Dec;13(12):1961-2.

Fournier PE, Thuny F, Richet H, Lepidi H, Casalta JP, Arzouni JP, Maurin M, Célard M, Mainardi JL, Caus T, Collart F, Habib G, Raoult D. Comprehensive diagnostic strategy for blood culture-negative endocarditis: a prospective study of 819 new cases. *Clin Infect Dis.* 2010 Jul 15;51(2):131-40.

Fox JW, Studley JK, Cohen DM. Recurrent expressive aphasia as a presentation of cat-scratch encephalopathy. *Pediatrics.* 2007 Mar;119(3):e760-3.

Fox LM, Wingerter S, Ahmed A, Arnold A, Chou J, Rhein L, Levy O. Neonatal babesiosis: case report and review of the literature. *Pediatr Infect Dis J.* 2006 Feb;25(2):169-73.

Fraenkel CJ, Garpmo U, Berglund J. Determination of novel *Borrelia* genospecies in Swedish *Ixodes ricinus* ticks. *J Clin Microbiol.* 2002 Sep;40(9):3308-12.

Franke J, Hildebrandt A, Meier F, Straube E, Dorn W. Prevalence of Lyme disease agents and several emerging pathogens in questing ticks from the German Baltic coast. *J Med Entomol.* 2011 Mar;48(2):441-4.

Franke J, Meier F, Moldenhauer A, Straube E, Dorn W, Hildebrandt A. Established and emerging pathogens in *Ixodes ricinus* ticks collected from birds on a conservation island in the Baltic Sea. *Med Vet Entomol.* 2010 Dec;24(4):425-32. Epub 2010 Sep 26.

Franz B, Kempf VA. Adhesion and host cell modulation: critical pathogenicity determinants of *Bartonella henselae*. *Parasit Vectors.* 2011 Apr 13;4:54. Published online 2011 April 13.

Freddi G, Romàn-Pumar JL. Evidence-based medicine: what it can and cannot do. *Ann Ist Super Sanita.* 2011;47(1):22-5. Review.

Fredrikson S, Link H. CNS-borreliosis selectively affecting central motor neurons. *Acta Neurol Scand.* 1988 Sep;78(3):181-4.

Frey M, Jaulhac B, Sibilia J, Monteil H, Kuntz JL, Vautravers P. [Detection of *Borrelia burgdorferi* DNA by gene amplification in the muscle of a patient with fibromyalgia].[Article in French]. *Presse Med.* 1995 Nov 11;24(34):1623.

Frey M, Jaulhac B, Piemont Y, Marcellin L, Boohs PM, Vautravers P, Jesel M, Kuntz JL, Monteil H, Sibilia J. Detection of *Borrelia burgdorferi* DNA in muscle of patients with chronic myalgia related to Lyme disease. *Am J Med.* 1998 Jun;104(6):591-4.

Froberg MK, Dannen D, Bernier N, Shieh WJ, Guarner J, Zaki S. Case report: spontaneous splenic rupture during acute parasitemia of *Babesia microti*. *Ann Clin Lab Sci.* 2008 Autumn;38(4):390-2.

Fried L, Arbiser JL. Application of Angiogenesis to Clinical Dermatology. *Adv Dermatol.* 2008; 24: 89–103.

Fryland L, Wilhelmsson P, Lindgren PE, Nyman D, Ekerfelt C, Forsberg P. Low risk of developing *Borrelia burgdorferi* infection in the south-east of Sweden after being bitten by a *Borrelia burgdorferi*-infected tick. *Int J Infect Dis.* 2011 Mar;15(3):e174-81. Epub 2010 Dec 17.

Fu J, Mutaiyah S, Pandey S, Thomas M. Two cases of endocarditis due to *Bartonella henselae*. *N Z Med J.* 2007 Jun 1;120(1255):U2558.

Füessl HS. [From tick bite to borreliosis: the dreaded small blood sucker].[Article in German]. *MMW Fortschr Med.* 2011 Jun 2;153(22):14-7.

Fujisawa K, Nakajima R, Jinnai M, Hirata H, Zamoto-Niikura A, Kawabuchi-Kurata T, Arai S, Ishihara C. Intron Sequences from the CCT7 Gene Exhibit Diverse Evolutionary Histories among the Four Lineages within the *Babesia microti*-Group, a Genetically Related Species Complex That Includes Human Pathogens. *Jpn J Infect Dis.* 2011 Sep;64(5):403-10.

Fukunaga M, Hamase A, Okada K, Inoue H, Tsuruta Y, Miyamoto K, Nakao M. Characterization of spirochetes isolated from ticks (*Ixodes tanuki*, *Ixodes turdus*, and *Ixodes columnae*) and comparison of the sequences with those of *Borrelia burgdorferi* sensu lato strains. *Appl Environ Microbiol.* 1996 Jul;62(7):2338-44.

Fukunaga M, Koreki Y. The flagellin gene of *Borrelia miyamotoi* sp. nov. and its phylogenetic relationship among *Borrelia* species. *FEMS Microbiol Lett.* 1995 Dec 15;134(2-3):255-8.

Fukunaga M, Okada K, Nakao M, Konishi T, Sato Y. Phylogenetic analysis of *Borrelia* species based on flagellin gene sequences and its application for molecular typing of Lyme disease borreliae. *Int J Syst Bacteriol.* 1996 Oct;46(4):898-905.

Fukunaga M, Sohnaka M, Nakao M, Miyamoto K. Evaluation of genetic divergence of borrelial isolates from Lyme disease patients in Hokkaido, Japan, by rRNA gene probes. *J Clin Microbiol.* 1993 Aug;31(8):2044-8.

Fukunaga M, Sohnaka M, Takahashi Y, Nakao M, Miyamoto K. Antigenic and genetic characterization of *Borrelia* species isolated from *Ixodes persulcatus* in Hokkaido, Japan. *J Clin Microbiol.* 1993 May;31(5):1388-91.

Fukunaga M, Takahashi Y, Tsuruta Y, Matsushita O, Ralph D, McClelland M, Nakao M. Genetic and phenotypic analysis of *Borrelia miyamotoi* sp. nov., isolated from the ixodid tick *Ixodes persulcatus*, the vector for Lyme disease in Japan. *Int J Syst Bacteriol.* 1995 Oct;45(4):804-10.

Fung BP, McHugh GL, Leong JM, Steere AC. Humoral immune response to outer surface protein C of *Borrelia burgdorferi* in Lyme disease: role of the immunoglobulin M response in the serodiagnosis of early infection. *Infect Immun.* 1994 Aug;62(8):3213-21.

Gabriel MW, Henn J, Foley JE, Brown RN, Kasten RW, Foley P, Chomel BB. Zoonotic *Bartonella* species in fleas collected on gray foxes (*Urocyon cinereoargenteus*). *Vector Borne Zoonotic Dis.* 2009 Dec;9(6):597-602.

Gajović O, Todorović Z, Nesić L, Lazić Z. [Lyme borreliosis-- diagnostic difficulties in interpreting serological results]. [Article in Serbian]. *Med Pregl.* 2010 Nov-Dec;63(11-12):839-43. Review.

Galal AM, Ross SA, ElSohly MA, ElSohly HN, El-Ferally FS, Ahmed MS, McPhail AT. Deoxyartemisinin derivatives from photooxygenation of anhydrodeoxydihydroartemisinin and their cytotoxic evaluation. *J Nat Prod.* 2002 Feb;65(2):184-8.

Galiukov IA, Vasilenko FI, Lapidus MS, Anochin AS. [Early recurrence of neuroborreliosis with a fatal outcome]. [Article in Russian]. *Arkh Patol.* 2010 Mar-Apr;72(2):36-7.

Gallagher LG, Chau S, Owaisi AS, Konczyk M, Bishop HS, Arguin PM, Trenholme GM. An 84-year-old woman with fever and dark urine. Clin Infect Dis. 2009 Jul 15;49(2):278, 310-1.

Gan JJ, Mandell AM, Otis JA, Holmuhamedova M, Perloff MD. Suspecting optic neuritis, diagnosing Bartonella cat scratch disease. Arch Neurol. 2011 Jan;68(1):122-6.

Gandhi G, Londoño D, Whetstine CR, Sethi N, Kim KS, Zückert WR, Cadavid D. Interaction of Variable Bacterial Outer Membrane Lipoproteins with Brain Endothelium. PLoS One. 2010 Oct 22;5(10):e13257. Published online 2010 October 22.

García FM. [About limitations (and subterfuges) of evidence based medicine].[Article in Spanish]. Med Clin (Barc). 2003 Feb 15;120(5):197; author reply 197-8.

García-Esteban C, Gil H, Rodríguez-Vargas M, Gerrikagoitia X, Barandika J, Escudero R, Jado I, García-Amil C, Barral M, García-Pérez AL, Bhide M, Anda P. Molecular method for *Bartonella* species identification in clinical and environmental samples. J Clin Microbiol. 2008 Feb;46(2):776-9. Epub 2007 Dec 19.

García-García JA, Baquerizo R, Vargas J, Mira JA, Merchante N, Macías J, Pineda JA. [Prevalence of serum antibodies against *Bartonella* spp. in a health population from the south area of the Seville province].[Article in Spanish]. Rev Clin Esp. 2005 Nov;205(11):541-4.

Garcia-Monco JC, Gomez-Beldarrain M, Benach JL, Anda P, Alvarez J, Ojanguren J. Borrelia meningitis mimicking meningeal lymphoma. Neurology. 1994 Nov;44(11):2207.

García Moncó JC, Wheeler CM, Benach JL, Furie RA, Lukehart SA, Stanek G, Steere AC. Reactivity of neuroborreliosis patients (Lyme disease) to cardiolipin and gangliosides. J Neurol Sci. 1993 Jul;117(1-2):206-14.

García Puga JM, Ramos Ramos MV, Muwaqued Rodríguez F, Santos Pérez JL, Vega Pérez S. [Submandibular tumor].[Article in Spanish]. An Pediatr (Barc). 2006 May;64(5):503-4.

Gardner T. Lyme disease. In Infectious Diseases of the Fetus and Newborn Infant, Ed. JS Remington, JO Klein. Philadelphia:W.B. Saunders Company. 2001. pp. 519-641.

Garré L, Guaraglia W, Cuatz D, Kaufman S, Gil H, De Rosa AF. [Infective endocarditis due to *Bartonella quintana*].[Article in Spanish]. Medicina (B Aires). 2008;68(2):144-6. Erratum in: Medicina (B Aires). 2008;68(3):267.

Gary AT, Webb JA, Hegarty BC, Breitschwerdt EB. The low seroprevalence of tick-transmitted agents of disease in dogs from southern Ontario and Quebec. Can Vet J. 2006 Dec;47(12):1194-200.

Gaskin AA, Schantz P, Jackson J, Birkenheuer A, Tomlinson L, Gramiccia M, Levy M, Steurer F, Kollmar E, Hegarty BC, Ahn A, Breitschwerdt EB. Visceral leishmaniasis in a New York foxhound kennel. J Vet Intern Med. 2002 Jan-Feb;16(1):34-44.

Gasquet S, Maurin M, Brouqui P, Lepidi H, Raoult D. Bacillary angiomatosis in immunocompromised patients. AIDS. 1998 Oct 1;12(14):1793-803. Review.

Gasser R, Watzinger N, Eber B, Luha O, Reisinger E, Seinost G, Klein W. Coronary artery aneurysm in two patients with long-standing Lyme borreliosis. Lancet. 1994 Nov 5;344(8932):1300-1.

Gasser R, Horn S, Reisinger E, Fischer L, Pokan R, Wendelin I, Klein W. First description of recurrent pericardial effusion associated with *borrelia burgdorferi* infection. Int J Cardiol. 1998 May 15;64(3):309-10.

Gassner F, van Vliet AJ, Burgers SL, Jacobs F, Verbaarschot P, Hovius EK, Mulder S, Verhulst NO, van Overbeek LS, Takken W. Geographic and temporal variations in population dynamics of *Ixodes ricinus* and associated *Borrelia* infections in The Netherlands. *Vector Borne Zoonotic Dis.* 2011 May;11(5):523-32. Epub 2010 Nov 17.

Gautam A, Dixit S, Philipp MT, Singh SR, Morici LA, Kaushal D, Dennis VA. Interleukin-10 Alters Effector Functions of Multiple Genes Induced by *Borrelia burgdorferi* in Macrophages to Regulate Lyme Disease Inflammation. *Infect Immun.* 2011 Sep 26. [Epub ahead of print]

Gebbers JO, Marder HP. Unusual in vitro formation of cyst-like structures associated with human intestinal spirochaetosis. *Eur J Clin Microbiol Infect Dis.* 1989 Apr;8(4):302-6.

Gellis SE, Stadecker MJ, Steere AC. Spirochetes in atrophic skin lesions accompanied by minimal host response in a child with Lyme disease. *J Am Acad Dermatol.* 1991 Aug;25(2 Pt 2):395-7.

Genchi C. Human babesiosis, an emerging zoonosis. *Parassitologia.* 2007 May;49 Suppl 1:29-31. Review.

Geng Z, Hou XX, Wan KL, Hao Q. [Isolation and identification of *Borrelia burgdorferi* sensu lato from ticks in six provinces in China]. [Article in Chinese]. *Zhonghua Liu Xing Bing Xue Za Zhi.* 2010 Dec;31(12):1346-1348.

Genizi J, Kasis I, Schif A, Shahar E. Effect of high-dose methylprednisolone on brainstem encephalopathy and basal ganglia impairment complicating cat scratch disease. *Brain Dev.* 2007 Jul;29(6):377-9. Epub 2006 Dec 15.

George JG, Bradley JC, Kimbrough RC 3rd, Shami MJ. *Bartonella quintana* associated neuroretinitis. *Scand J Infect Dis.* 2006;38(2):127-8.

George TI, Manley G, Koehler JE, Hung VS, McDermott M, Bollen A. Detection of *Bartonella henselae* by polymerase chain reaction in brain tissue of an immunocompromised patient with multiple enhancing lesions. Case report and review of the literature. *J Neurosurg.* 1998 Oct;89(4):640-4. Review.

Georgilis K, Peacocke M, Klempner MS. Fibroblasts protect the Lyme disease spirochete, *Borrelia burgdorferi*, from ceftriaxone in vitro. *J Infect Dis* 1992. Aug;166(2):440-4.

Georgilis K, Steere AC, Klempner MS. Infectivity of *Borrelia burgdorferi* correlates with resistance to elimination by phagocytic cells. *J Infect Dis.* 1991 Jan;163(1):150-5.

Georgilis K, Noring R, Steere AC, Klempner MS. Neutrophil chemotactic factors in synovial fluids of patients with Lyme disease. *Arthritis Rheum.* 1991 Jun;34(6):770-5.

Gerber JE, Johnson JE, Scott MA, Madhusudhan KT. Fatal meningitis and encephalitis due to *Bartonella henselae* bacteria. *J Forensic Sci.* 2002 May;47(3):640-644.

Gerber MA, Shapiro ED. Diagnosis of Lyme disease in children. *J Pediatr.* 1992 Jul;121(1):157-62. Review.

Gerber MA, Shapiro ED, Bell GL, Sampieri A, Padula SJ. Recombinant outer surface protein C ELISA for the diagnosis of early Lyme disease. *J Infect Dis.* 1995 Mar;171(3):724-7.

Gerber MA, Shapiro ED, Burke GS, Parcells VJ, Bell GL. Lyme disease in children in southeastern Connecticut. Pediatric Lyme Disease Study Group. *N Engl J Med.* 1996 Oct 24;335(17):1270-4.

Gerber MA, Shapiro ED, Krause PJ, Cable RG, Badon SJ, Ryan RW. The risk of acquiring Lyme disease or babesiosis from a blood transfusion. *J Infect Dis.* 1994 Jul;170(1):231-4.

Gerber MA, Zemel LS, Shapiro ED. Lyme arthritis in children: clinical epidemiology and long-term outcomes. *Pediatrics*. 1998 Oct;102(4 Pt 1):905-8.

Gern L, Lienhard R, Péter O. [Diseases and pathogenic agents transmitted by ticks in Switzerland].[Article in French]. *Rev Med Suisse*. 2010 Oct 13;6(266):1906-9.

Gescher DM, Mallmann C, Kovacevic D, Schmiedel D, Borges AC, Schweickert B, Göbel UB, Moter A. A view on *Bartonella quintana* endocarditis--confirming the molecular diagnosis by specific fluorescence in situ hybridization. *Diagn Microbiol Infect Dis*. 2008 Jan;60(1):99-103. Epub 2007 Sep 21.

Ghosh S, Steere AC, Stollar BD, Huber BT. In situ diversification of the antibody repertoire in chronic Lyme arthritis synovium. *J Immunol*. 2005 Mar 1;174(5):2860-9.

Gigandet L, Stauffer E, Douet V, Rais O, Moret J, Gern L. Prevalence of three zoonotic Babesia species in *Ixodes ricinus* (Linné, 1758) nymphs in a suburban forest in Switzerland. *Vector Borne Zoonotic Dis*. 2011 Apr;11(4):363-6. Epub 2011 Mar 11.

Gil H, García-Estebe C, Barandika JF, Peig J, Toledo A, Escudero R, Jado I, Rodríguez-Vargas M, García-Amil C, Lobo B, Roales P, Rodríguez-Moreno I, Olmeda AS, García-Pérez AL, Anda P. Variability of *Bartonella* genotypes among small mammals in Spain. *Appl Environ Microbiol*. 2010 Dec;76(24):8062-70. Epub 2010 Oct 8.

Gillaspie D, Perkins I, Larsen K, McCord A, Pangonis S, Sweger D, Seleem MN, Sriranganathan N, Anderson BE. Plasmid-based system for high-level gene expression and antisense gene knockdown in *Bartonella henselae*. *Appl Environ Microbiol*. 2009 Aug;75(16):5434-6. Epub 2009 Jun 19.

Gillespie TN, Washabau RJ, Goldschmidt MH, Cullen JM, Rogala AR, Breitschwerdt EB. Detection of *Bartonella henselae* and *Bartonella claridgeiae* DNA in hepatic specimens from two dogs with hepatic disease. *J Am Vet Med Assoc.* 2003 Jan 1;222(1):47-51, 35.

Ginsberg HS. Potential effects of mixed infections in ticks on transmission dynamics of pathogens: comparative analysis of published records. *Exp Appl Acarol.* 2008 Dec;46(1-4):29-41. Epub 2008 Jul 22.

Girard YA, Fedorova N, Lane RS. Genetic diversity of *Borrelia burgdorferi* and detection of *B. bissettii*-like DNA in serum of north-coastal California residents. *J Clin Microbiol.* 2011 Mar;49(3):945-54. Epub 2010 Dec 22.

Glauser TA, Brennan PJ, Galetta SL. Reversible Horner's syndrome and Lyme disease. *J Clin Neuroophthalmol.* 1989 Dec;9(4):225-8.

Gleich GJ, Leiferman KM, Pardanani A, Tefferi A, Butterfield JH. Treatment of hypereosinophilic syndrome with imatinib mesilate. *Lancet.* 2002 May 4;359(9317):1577-8.

Glickstein L, Moore B, Bledsoe T, Damle N, Sikand V, Steere AC. Inflammatory cytokine production predominates in early Lyme disease in patients with erythema migrans. *Infect Immun.* 2003 Oct;71(10):6051-3.

Goddard J, Varela-Stokes AS. Role of the lone star tick, *Amblyomma americanum* (L.), in human and animal diseases. *Vet Parasitol.* 2009 Mar 9;160(1-2):1-12. Epub 2008 Oct 28. Review.

Goellner MH, Agger WA, Burgess JH, Duray PH. Hepatitis due to recurrent Lyme disease. *Ann Intern Med.* 1988 May;108(5):707-8.

Góes TS, Góes VS, Ribeiro MF, Gontijo CM. Bovine babesiosis: anti-erythrocyte antibodies purification from the sera of naturally infected cattle. *Vet Immunol Immunopathol.* 2007 Apr 15;116(3-4):215-8. Epub 2007 Jan 16.

Gohil S, Kats LM, Sturm A, Cooke BM. Recent insights into alteration of red blood cells by Babesia bovis: moovin' forward. Trends Parasitol. 2010 Dec;26(12):591-9. Epub 2010 Jul 2. Review.

Goldberg NS, Forster G, Nadelman RB, Schwartz I, Jorde U, McKenna D, Holmgren D, Bittker S, Montecalvo M, Wormser GP. Vesicular erythema migrans. Arch Dermatol. 1992 Nov;128(11):1495-8.

Gomes-Solecki MJ, Wormser GP, Dattwyler RJ. IFNgamma production in peripheral blood of early Lyme disease patients to hLFAalphaL (aa326-345). BMC Musculoskelet Disord. 2002 Oct 17;3:25.

Gomes-Solecki MJ, Wormser GP, Persing DH, Berger BW, Glass JD, Yang X, Dattwyler RJ. A first-tier rapid assay for the serodiagnosis of *Borrelia burgdorferi* infection. Arch Intern Med. 2001 Sep 10;161(16):2015-20.

Gomes-Solecki MJ, Wormser GP, Schriefer M, Neuman G, Hannafey L, Glass JD, Dattwyler RJ. Recombinant assay for serodiagnosis of Lyme disease regardless of OspA vaccination status. J Clin Microbiol. 2002 Jan;40(1):193-7.

Goo YK, Terkawi MA, Jia H, Aboge GO, Ooka H, Nelson B, Kim S, Sunaga F, Namikawa K, Igarashi I, Nishikawa Y, Xuan X. Artesunate, a potential drug for treatment of Babesia infection. Parasitol Int. 2010 Sep;59(3):481-6. Epub 2010 Jun 9.

Goodlad JR, Davidson MM, Hollowood K, Ling C, MacKenzie C, Christie I, Batstone PJ, Ho-Yen DO. Primary cutaneous B-cell lymphoma and *Borrelia burgdorferi* infection in patients from the Highlands of Scotland. Am J Surg Pathol. 2000 Sep;24(9):1279-85.

Goodman RA, Breitschwerdt EB. Clinicopathologic findings in dogs seroreactive to *Bartonella henselae* antigens. Am J Vet Res. 2005 Dec;66(12):2060-4.

Goossens HA, Maes JH, van den Bogaard AE. The prevalence of antibodies against *B. burgdorferi*, an indicator for Lyme borreliosis in dogs? A comparison of serological tests. *Tijdschr Diergeneeskdt.* 2003 Nov 1;128(21):650-7.

Goossens HA, Nohlmans MK, van den Bogaard AE. Epstein-Barr virus and cytomegalovirus infections cause false-positive results in IgM two-test protocol for early Lyme borreliosis. *Infection.* 1999 May-Jun;27(3):231.

Goossens HA, van den Bogaard AE, Nohlmans MK. Evaluation of fifteen commercially available serological tests for diagnosis of Lyme borreliosis. *Eur J Clin Microbiol Infect Dis.* 1999 Aug;18(8):551-60.

Goossens HA, van den Bogaard AE, Nohlmans MK. Reduced specificity of combined IgM and IgG enzyme immunoassay testing for lyme borreliosis. *Eur J Clin Microbiol Infect Dis.* 2000 May;19(5):400-2.

Goossens HA, van den Bogaard AE, Nohlmans MK. Dogs as sentinels for human Lyme borreliosis in The Netherlands. *J Clin Microbiol.* 2001 Mar;39(3):844-8.

Goossens HA, van den Bogaard AE, Nohlmans MK. Serodiagnosis of Lyme borreliosis using detection of different immunoglobulin (sub) classes by enzyme-linked immunosorbent assay and Western blotting. *Clin Lab.* 2001;47(1-2):41-9.

Gordi T, Lepist EI. *Toxicol Lett.* 2004 Aug 1;151(3):489-90, author reply 491-2. *Acta Trop.* 2002 May;82(2):175-81.

Gordi T, Lepist EI. Artemisinin derivatives: toxic for laboratory animals, safe for humans? *Toxicol Lett.* 2004 Mar 1;147(2):99-107.

Gordi T, Xie R, Huong NV, Huong DX, Karlsson MO, Ashton M. A semiphysiological pharmacokinetic model for artemisinin in healthy subjects incorporating autoinduction of metabolism and saturable first-pass hepatic extraction. *Br J Clin Pharmacol.* 2005 Feb;59(2):189-98.

Goren JL, Stoll AL, Damico KE, Sarmiento IA, Cohen BM. Bioavailability and lack of toxicity of S-adenosyl-L-methionine (SAMe) in humans. *Pharmacotherapy*. 2004;24(11):1501-1507.

Gorenflo A, Moubri K, Precigout G, Carcy B, Schetters TP. Human babesiosis. *Ann Trop Med Parisitol*. Jun;92(4):489-501.

Gouriet F, Fenollar F, Patrice JY, Drancourt M, Raoult D. Use of shell-vial cell culture assay for isolation of bacteria from clinical specimens: 13 years of experience. *J Clin Microbiol*. 2005 Oct;43(10):4993-5002.

Gouriet F, Lepidi H, Habib G, Collart F, Raoult D. From cat scratch disease to endocarditis, the possible natural history of *Bartonella henselae* infection. *BMC Infect Dis*. 2007 Apr 18;7:30.

Gouriet F, Samson L, Delaage M, Mainardi JL, Meconi S, Drancourt M, Raoult D. Multiplexed whole bacterial antigen microarray, a new format for the automation of serodiagnosis: the culture-negative endocarditis paradigm. *Clin Microbiol Infect*. 2008 Dec;14(12):1112-8.

Gouveia EA, Alves MF, Mantovani E, Oyafuso LK, Bonoldi VL, Yoshinari NH. Profile of patients with Baggio-Yoshinari Syndrome admitted at “Instituto de Infectologia Emilio Ribas”. *Rev Inst Med Trop Sao Paulo*. 2010 Dec;52(6):297-303.

Graves SF, Kobayashi SD, DeLeo FR. Community-associated methicillin-resistant *Staphylococcus aureus* immune evasion and virulence. *J Mol Med (Berl)*. 2010 Feb;88(2):109-14. Published online 2010 January 5.

Gray GC, Johnson AA, Thornton SA, Smith WA, Knobloch J, Kelley PW, Obregon Escudero L, Arones Huayda M, Wignall FS. An epidemic of Oroya fever in the Peruvian Andes. *Am J Trop Med Hyg*. 1990 Mar;42(3):215-21.

Gray J, Zintl A, Hildebrandt A, Hunfeld KP, Weiss L. Zoonotic babesiosis: overview of the disease and novel aspects of pathogen identity. *Ticks Tick Borne Dis.* 2010 Mar;1(1):3-10. Epub 2009 Dec 24.

Greenberg HE, Ney G, Scharf SM, Ravdin L, Hilton E. Sleep quality in Lyme disease. *Sleep.* 1995 Dec;18(10):912-6.

Greenburg, S. G6PD Deficiency. [Monograph on the Internet] Available from: <http://www.utoronto.ca/kids/G6PD.htm>.

Greengarten PJ, Tuininga AR, Morath SU, Falco RC, Norelus H, Daniels TJ. Occurrence of soil- and tick-borne fungi and related virulence tests for pathogenicity to *Ixodes scapularis* (Acari: Ixodidae). *J Med Entomol.* 2011 Mar;48(2):337-44.

Greer DM, Schaefer PW, Plotkin SR, Hasserjian RP, Steere AC. Case records of the Massachusetts General Hospital. Case 11-2007. A 59-year-old man with neck pain, weakness in the arms, and cranial-nerve palsies. *N Engl J Med.* 2007 Apr 12;356(15):1561-70.

Grellier P, Benach J, Labaied M, Charneau S, Gil H, Monsalve G, Alfonso R, Sawyer L, Lin L, Steiert M, Dupuis K. Photochemical inactivation with amotosalen and long-wavelength ultraviolet light of Plasmodium and Babesia in platelet and plasma components. *Transfusion.* 2008 Aug;48(8):1676-84. Epub 2008 May 22.

Greub G, Raoult D. Bartonella: new explanations for old diseases. *J Med Microbiol.* 2002 Nov;51(11):915-23. Review.

Grodzicki RL, Steere AC. Comparison of immunoblotting and indirect enzyme-linked immunosorbent assay using different antigen preparations for diagnosing early Lyme disease. *J Infect Dis.* 1988 Apr;157(4):790-7.

Gross D, Huber BT, Steere AC. Molecular mimicry and Lyme arthritis. *Curr Dir Autoimmun.* 2001;3:94-111. Review.

Gross DM, Forsthuber T, Tary-Lehmann M, Etling C, Ito K, Nagy ZA, Field JA, Steere AC, Huber BT. Identification of LFA-1 as a candidate autoantigen in treatment-resistant Lyme arthritis. *Science*. 1998 Jul 31;281(5377):703-6.

Gross DM, Steere AC, Huber BT. T helper 1 response is dominant and localized to the synovial fluid in patients with Lyme arthritis. *J Immunol*. 1998 Jan 15;160(2):1022-8.

Grumbkow PV, Zipp A, Seidenberg V, Fehren-Schmitz L, Kempf VA, Groß U, Hummel S. Brief communication: Evidence of *Bartonella quintana* infections in skeletons of a historical mass grave in Kassel, Germany. *Am J Phys Anthropol*. 2011 Jun 27. [Epub ahead of print]

Gruntar I, Malovrh T, Murgia R, Cinco M. Conversion of *Borrelia garinii* cystic forms to motile spirochetes in vivo. *APMIS*. 2001 May;109(5):383-8.

Gruppen LD, Rana GK, Arndt TS. A controlled comparison study of the efficacy of training medical students in evidence-based medicine literature searching skills. *Acad Med*. 2005. Oct;80(10):940-4.

Grzeszczuk A, Staczak J, Pogorzelska J, Prokopowicz D. [Diagnostics of human granulocytic anaplasmosis].[Article in Polish]. *Wiad Parazytol*. 2005;51(2):109-14. Review.

Grzeszczuk A, Ziarko S, Kovalchuk O, Staczak J. Etiology of tick-borne febrile illnesses in adult residents of North-Eastern Poland: report from a prospective clinical study. *Int J Med Microbiol*. 2006 May;296 Suppl 40:242-9. Epub 2006 Mar 10.

Guan G, Chauvin A, Yin H, Luo J, Moreau E. Course of infection by Babesia sp. BQ1 (Lintan) and *B. divergens* in sheep depends on the production of IFNgamma and IL10. *Parasite Immunol*. 2010 Feb;32(2):143-52.

Guay D. Update on clindamycin in the management of bacterial, fungal and protozoal infections. Expert Opin Pharmacother. 2007 Oct;8(14):2401-44. Review.

Gubernot DM, Lucey CT, Lee KC, Conley GB, Holness LG, Wise RP. Babesia infection through blood transfusions: reports received by the US Food and Drug Administration, 1997-2007. Clin Infect Dis. 2009 Jan 1;48(1):25-30.

Gubernot DM, Nakhasi HL, Mied PA, Asher DM, Epstein JS, Kumar S. Transfusion-transmitted babesiosis in the United States: summary of a workshop. Transfusion. 2009 Dec;49(12):2759-71. Epub 2009 Oct 10.

Guittet V, Ménager C, Missotte I, Duparc B, Verhaegen F, Duhamel JF. [Hepatic abscesses in childhood: retrospective study about 33 cases observed in New-Caledonia between 1985 and 2003].[Article in French]. Arch Pediatr. 2004 Sep;11(9):1046-53.

Gundi VA, Bourry O, Davous B, Raoult D, La Scola B. Bartonella claridgeiae and B. henselae in dogs, Gabon. Emerg Infect Dis. 2004 Dec;10(12):2261-2.

Gundi VA, Davoust B, Khamis A, Boni M, Raoult D, La Scola B. Isolation of Bartonella rattiomassiliensis sp. nov. and Bartonella phoceensis sp. nov. from European Rattus norvegicus. J Clin Microbiol. 2004 Aug;42(8):3816-8.

Gundi VA, Taylor C, Raoult D, La Scola B. Bartonella rattaaustraliani sp. nov., Bartonella queenslandensis sp. nov. and Bartonella coopersplainsensis sp. nov., identified in Australian rats. Int J Syst Evol Microbiol. 2009 Dec;59(Pt 12):2956-61. Epub 2009 Jul 23.

Gunson TH, Oliver GF. Osler's nodes and Janeway lesions. Australas J Dermatol. 2007 Nov;48(4):251-5.

Guo BP, Teneberg S, Münch R, Terunuma D, Hatano K, Matsuoka K, Angström J, Borén T, Bergström S. Relapsing fever Borrelia binds to neolacto glycans and mediates rosetting of human erythrocytes. Proc Natl Acad Sci U S A. 2009 Nov 17;106(46):19280-5. Published online 2009 November 2.

Gupta D, Green J, Franco-Paredes C, Lerakis S. Challenges in the clinical management of blood-culture negative endocarditis: case of *Bartonella henselae* infection. Am J Med. 2011 Mar;124(3):e1-2.

Gupta PK, Patel R, Bhatti MT. Neuroretinitis secondary to concurrent infection with cat scratch disease and lyme disease. Eye (Lond). 2009 Jul;23(7):1607. Epub 2008 Sep 12.

Guptill L. Bartonellosis. Vet Microbiol. 2010 Jan 27;140(3-4):347-59. Epub 2009 Nov 18. Review.

Guptill L. Feline bartonellosis. Vet Clin North Am Small Anim Pract. 2010 Nov;40(6):1073-90. Review.

Guptill L, Wu CC, Glickman L, Turek J, Slater L, HogenEsch H. Extracellular *Bartonella henselae* and artifactual intraerythrocytic pseudooinclusions in experimentally infected cats. Vet Microbiol. 2000 Oct 1;76(3):283-290.

Gustaw K, Mirecka U. Dysarthria as the isolated clinical symptom of borreliosis--a case report. Ann Agric Environ Med. 2001;8(1):95-7.

Gutierrez MA, de Pablos C, Oterino A, Garcia Monco JC. Isolated posterior cord syndrome in Lyme disease: a clinico-neurophysiological study. Rev Neurol. Nov 16-30;33(10):954-7.

Gutierrez Y. Blood apicomplexa: plasmodium, Babesia and entopolypoides. In: Diagnostic Pathology of Parasitic Infections with Clinical Correlations. 9th ed. Philadelphia, PA: Lea Febiger; 1990, p. 146.

Guzel M, Celebi B, Yalcin E, Koenhemsi L, Mamak N, Pasa S, Atalay O. A Serological Investigation of *Bartonella henselae* Infection in Cats in Turkey. *J Vet Med Sci.* 2011 Jul 7. [Epub ahead of print]

H Fischer A, van der Loo B, M Shär G, Zbinden R, Duru F, Brunckhorst C, Rousson V, Delacrétaz Y E, Stuber T, Oechslin EN, Follath F, Jenni R. Serological evidence for the association of *Bartonella henselae* infection with arrhythmogenic right ventricular cardiomyopathy. *Clin Cardiol.* 2008 Oct;31(10):469-71.

Haapasalo K, Suomalainen P, Sukura A, Siikamaki H, Jokiranta TS. Fatal babesiosis in man, Finland, 2004. *Emerg Infect Dis.* 2010 Jul;16(7):1116-8.

Habyarimana F, Price CT, Santic M, Al-Khodor S, Kwaik YA. Molecular Characterization of the Dot/Icm-Translocated AnkH and AnkJ Eukaryotic-Like Effectors of *Legionella pneumophila*. *Infect Immun.* 2010 Mar;78(3):1123-34. Published online 2009 December 22.

Haddad FA, Nadelman RB. Lyme disease and the heart. *Front Biosci.* 2003 Sep 1;8:s769-82. Review.

Hagen K. [Risk of infections among orienteers].[Article in Norwegian]. *Tidsskr Nor Laegeforen.* 2009 Jun 25;129(13):1326-8. Review.

Hahn JS, Sum JM, Lee KP. Unusual MRI findings after status epilepticus due to cat-scratch disease. *Pediatr Neurol.* 1994 May;10(3):255-8.

Haider Z, Tsigris C, Baddour LM. 65-Year-Old Man With Persistent Fever. *Mayo Clin Proc.* 2009 Nov; 84(11):1017-20.

Hajjaji N, Hocqueloux L, Kerdraon R, Bret L. Bone infection in cat-scratch disease: a review of the literature. *J Infect.* 2007 May;54(5):417-21. Epub 2006 Nov 29. Review.

Halos L, Bord S, Cotté V, Gasqui P, Abrial D, Barnouin J, Boulouis HJ, Vayssier-Taussat M, Vourc'h G. Ecological Factors Characterizing the Prevalence of Bacterial Tick-Borne Pathogens in *Ixodes ricinus* Ticks in Pastures and Woodlands. *Appl Environ Microbiol.* 2010 Jul; 76(13):4413-20. Published online 2010 May 7.

Halperin JJ. Neuroborreliosis. *Am J Med.* 1995 Apr 24;98(4A):52S-56S; discussion 56S-59S. Review.

Halperin JJ. Nervous system Lyme disease. *J R Coll Physicians Edinb.* 2010 Sep;40(3):248-55. Review.

Halperin JJ. Nervous system lyme disease: is there a controversy? *Semin Neurol.* 2011 Jul;31(3):317-24. Epub 2011 Sep 30.

Halperin JJ. Neurologic manifestations of lyme disease. *Curr Infect Dis Rep.* 2011 Aug;13(4):360-6.

Halperin JJ, Golightly M. Lyme borreliosis in Bell's palsy. Long Island neuroborreliosis collaborative study group. *Neurology.* 1992 Jul;42(7):1268-70.

Halperin, JJ, Heyes MP. Neuroactive kynurenes in Lyme borreliosis. *Neurology.* 1992 Jan;42(1):43-50.

Halperin JJ, Kaplan GP, Brazinsky S, Tsai TF, Cheng T, Ironside A, Wu P, Delfiner J, Golightly M, et al. Immunologic reactivity against *Borrelia burgdorferi* in patients with motor neuron disease. *Arch Neurol.* 1990 May;47(5):586-94.

Halperin JJ, Little BW, Coyle PK, Dattwyler RJ. Lyme disease: cause of a treatable peripheral neuropathy. *Neurology.* 1987 Nov;37(11):1700-6.

Halperin J, Luft BJ, Volkman DJ, Dattwyler RJ. Lyme neuroborreliosis. Peripheral nervous system manifestations. *Brain.* 1990 Aug;113 (Pt 4):1207-21.

Halperin JJ, Shapiro ED, Logigian E, Belman AL, Dotevall L, Wormser GP, Krupp L, Gronseth G, Bever CT Jr. Practice parameter: treatment of nervous system Lyme disease (an evidence-based review): report of the Quality Standards Subcommittee of the American Academy of Neurology. *Neurology*. 2007 Jul 3;69(1):91-102. Epub 2007 May 23. Erratum in: *Neurology*. 2008 Apr 1;70(14):1223.

Halperin JJ, Volkman DJ, Luft BJ, Dattwyler RJ. Carpal tunnel syndrome in Lyme borreliosis. *Muscle Nerve*. 1989 12(5):397-400. 1989.

Halperin JJ, Wormser GP. Of fleas and ticks on cats and mice... *Arch Neurol*. 2001 Sep;58(9):1345-7.

Hale BR, Owusu-Agyei S, Fryauff DJ, Koram KA, Adjuik M, Oduro AR, Prescott WR, Baird JK, Nkrumah F, Ritchie TL, Franke ED, Binka FN, Horton J, Hoffman SL. A randomized, double-blind, placebo-controlled, dose-ranging trial of tafenoquine for weekly prophylaxis against *Plasmodium falciparum*. *Clin Infect Dis*. 2003 Mar 1;36(5):541-9. [Epub. 2003 Feb 14].

Hamase A, Takahashi Y, Nohgi K, Fukunaga M. Homology of variable major protein genes between *Borrelia hermsii* and *Borrelia miyamotoi*. *FEMS Microbiol Lett*. 1996 Jul 1;140(2-3):131-7. Erratum in *FEMS Microbiol Lett* 1996 Oct 1;143(2-3):299.

Hamby CV, Llibre M, Utpat S, Wormser GP. Use of Peptide library screening to detect a previously unknown linear diagnostic epitope: proof of principle by use of lyme disease sera. *Clin Diagn Lab Immunol*. 2005 Jul;12(7):801-7.

Hamel MJ, Holtz T, Mkandala C, Kaimila N, Chizani N, Bloland P, Kublin J, Kazembe P, Steketee R. Efficacy of trimethoprim-sulfamethoxazole compared with sulfadoxine-pyrimethamine plus erythromycin for the treatment of uncomplicated malaria in children with integrated management of childhood illness dual classifications of malaria and pneumonia. *Am J Trop Med Hyg*. 2005 Sep;73(3):609-15.

Hamer SA, Hickling GJ, Sidge JL, Rosen ME, Walker ED, Tsao JI. Diverse *Borrelia burgdorferi* strains in a bird-tick cryptic cycle. *Appl Environ Microbiol.* 2011 Mar;77(6):1999-2007. Epub 2011 Jan 21.

Hamer SA, Roy PL, Hickling GJ, Walker ED, Foster ES, Barber CC, Tsao JI. Zoonotic pathogens in *Ixodes scapularis*, Michigan. *Emerg Infect Dis.* 2007 Jul;13(7):1131-3.

Hamer SA, Tsao JI, Walker ED, Hickling GJ. Invasion of the lyme disease vector *Ixodes scapularis*: implications for *Borrelia burgdorferi* endemicity. *Ecohealth.* 2010 Aug;7(1):47-63. Epub 2010 Mar 13.

Hamer SA, Tsao JI, Walker ED, Mansfield LS, Foster ES, Hickling GJ. Use of tick surveys and serosurveys to evaluate pet dogs as a sentinel species for emerging Lyme disease. *Am J Vet Res.* 2009 Jan;70(1):49-56.

Hammers-Berggren S, Gröndahl A, Karlsson M, von Arbin M, Carlsson A, Stiernstedt G. Screening for neuroborreliosis in patients with stroke. *Stroke.* 1993 Sep;24(9):1393-6.

Hamp EG, Scott D, Wyckoff RWG. Morphologic characteristics of certain cultured strains of oral spirochetes and *Treponema pallidum* as revealed by the electron microscope. *J Bacteriol.* 1948 Dec;56(6):755-69.

Han JI, Lee SJ, Jang HJ, Na KJ. Asymptomatic Babesia microti-like parasite infection in wild raccoon dogs (*Nyctereutes procyonoides*) in South Korea. *J Wildl Dis.* 2010 Apr;46(2):632-5.

Han S, Norimine J, Palmer GH, Mwangi W, Lahmers KK, Brown WC. Rapid deletion of antigen-specific CD4+ T cells following infection represents a strategy of immune evasion and persistence for *Anaplasma marginale*. *J Immunol.* 2008 Dec 1;181(11):7759.

Hanafusa Y, Cho KO, Kanemaru T, Wada R, Sugimoto C, Onuma M. Pathogenesis of *Babesia caballi* infection in experimental horses. *J Vet Med Sci.* 1998 Oct;60(10):1127-32.

Hanincová K, Liveris D, Sandigursky S, Wormser GP, Schwartz I. *Borrelia burgdorferi* sensu stricto is clonal in patients with early Lyme borreliosis. *Appl Environ Microbiol.* 2008 Aug;74(16):5008-14. Epub 2008 Jun 6.

Hannier S, Liversidge J, Sternberg JM, Bowman AS. Characterization of the B-cell inhibitory protein factor in *Ixodes ricinus* tick saliva: a potential role in enhanced *Borrelia burgdorferi* transmission. *Immunology.* 2004 Nov;113(3):401-8.

Hanscheid T, Melo-Cristino J, Grobusch MP, Pinto BG. Avoiding misdiagnosis of imported malaria: screening of emergency department samples with thrombocytopenia detects clinically unsuspected cases. *J Travel Med.* 2003 May-Jun;10(3):155-9.

Hansel Y, Ackerl M, Stanek G. ALS-like sequelae in chronic neuroborreliosis. *Wien Med Wochenschr.* 1995;145(7-8):186-8.

Hao GF, Li H, Sun Y, Ge RP, Qiao GQ, Li B, Tian WZ, Shi NX, Yang XY. [Detection of tick and tick-borne pathogen in some ports of Inner Mongolia].[Article in Chinese]. *Zhonghua Liu Xing Bing Xue Za Zhi.* 2009 Apr;30(4):365-7.

Hao Q, Hou X, Geng Z, Wan K. Distribution of *Borrelia burgdorferi* sensu lato in China. *J Clin Microbiol.* 2011 Feb;49(2):647-50. Epub 2010 Nov 24.

Hardin JA, Steere AC, Malawista SE. The pathogenesis of arthritis in Lyme disease: humoral immune responses and the role of intra-articular immune complexes. *Yale J Biol Med.* 1984 Jul-Aug;57(4):589-93.

Hardin JA, Steere AC, Malawista SE. Immune complexes and the evolution of Lyme arthritis. Dissemination and localization of abnormal C1q binding activity. *N Engl J Med.* 1979 Dec 20;301(25):1358-63.

Hardin JA, Walker LC, Steere AC, Trumble TC, Tung KS, Williams RC Jr, Ruddy S, Malawista SE. Circulating immune complexes in Lyme arthritis. Detection by the  $^{125}\text{I}$ -C1q binding, C1q solid phase, and Raji cell assays. *J Clin Invest.* 1979 Mar;63(3):468-77.

Harjacek M, Diaz-Cano S, Alman BA, Coburn J, Ruthazer R, Wolfe H, Steere AC. Prominent expression of mRNA for proinflammatory cytokines in synovium in patients with juvenile rheumatoid arthritis or chronic Lyme arthritis. *J Rheumatol.* 2000 Feb;27(2):497-503.

Harms CA, Maggi RG, Breitschwerdt EB, Clemons-Chevis CL, Solangi M, Rotstein DS, Fair PA, Hansen LJ, Hohn AA, Lovewell GN, McLellan WA, Pabst DA, Rowles TK, Schwacke LH, Townsend FI, Wells RS. Bartonella species detection in captive, stranded and free-ranging cetaceans. *Vet Res.* 2008 Nov-Dec;39(6):59. Epub 2008 Aug 23.

Harris PJ. Intracerebral bacillary angiomatosis in HIV. *Ann Intern Med.* 1992 Nov 1;117(9):795.

Harrison A, Montgomery WI, Bown KJ. Investigating the persistence of tick-borne pathogens via the R<sub>0</sub> model. *Parasitology.* 2011 Apr 26:1-10. [Epub ahead of print]

Harrus S, Perlman-Avrahami A, Mumcuoglu KY, Morick D, Eyal O, Baneth G. Molecular detection of *Ehrlichia canis*, *Anaplasma bovis*, *Anaplasma platys*, *Candidatus Midichloria mitochondrii* and *Babesia canis vogeli* in ticks from Israel. *Clin Microbiol Infect.* 2011 Mar;17(3):459-63.

Hartel C, Schilling S, Neppert B, Tiemer B, Sperner J. Intracranial hypertension in neuroborreliosis. *Dev Med Child Neurol.* 2002;44(9):641-2.

Harvey RA, Misselbeck WJ, Uphold RE. Cat-scratch disease: an unusual cause of combative behavior. *Am J Emerg Med.* 1991;9(1):52-53.

Harvey WT, Martz D. Motor neuron disease recovery associated with IV ceftriaxone and anti-Babesia therapy. *Acta Neurol Scand.* 2007 Feb;115(2):129-31.

Häselbarth K, Tenter AM, Brade V, Krieger G, Hunfeld KP. First case of human babesiosis in Germany - Clinical presentation and molecular characterisation of the pathogen. *Int J Med Microbiol.* 2007 Jun;297(3):197-204. Epub 2007 Mar 12.

Hashimoto Y, Kawagishi N, Sakai H, Takahashi H, Matsuo S, Nakao M, Miyamoto K, Iizuka H. Lyme disease in Japan. Analysis of *Borrelia* species using rRNA gene restriction fragment length polymorphism. *Dermatology.* 1995;191(3):193-8.

Hashimoto Y, Takahashi H, Kishiyama K, Sato Y, Nakao M, Miyamoto K, Iizuka H. Lyme disease with facial nerve palsy: rapid diagnosis using a nested polymerase chain reaction-restriction fragment length polymorphism analysis. *Br J Dermatol.* 1998 Feb;138(2):304-9.

Hashimoto Y, Takahashi H, Matsuo S, Hirai K, Takemori N, Nakao M, Miyamoto K, Iizuka H. Polymerase chain reaction of *Borrelia burgdorferi* flagellin gene in Shulman syndrome. *Dermatology.* 1996;192(2):136-9.

Hasle G, Leinaas HP, Røed KH, Øines Ø. Transport of Babesia venatorum-infected *Ixodes ricinus* to Norway by northward migrating passerine birds. *Acta Vet Scand.* 2011 Jun 23;53:41.

Hassin GB, Diamond IB. Silver cells and spirochete-like formations in MS and other diseases of the central nervous system. *Archives of Neurology & Psychiatry.* 1939;41:471-483.

Hasslberger, S. Sweet Wormwood Heals Malaria. [monograph on the Internet]. Available from: [http://www.newmediaexplorer.org/sepp/2004/07/17/sweet\\_wormwood\\_heals\\_malaria.htm](http://www.newmediaexplorer.org/sepp/2004/07/17/sweet_wormwood_heals_malaria.htm). Accessed 2006 Aug 1.

Hassler D, Zöller L, Haude M, Hufnagel HD, Heinrich F, Sonntag HG. Cefotaxime versus penicillin in the late stage of Lyme disease—prospective, randomized therapeutic trial. *Infection*. 1990 Jan-Feb;18(1):16-20.

Hassler D, Riedel K, Zorn J, Preac-Mursic V. Pulsed High Dose Cefotaxime Therapy in Refractory Lyme Borreliosis (Letter). *Lancet*. 1991;338(8760):193.

Hatanaka K, Miyagishima T, Kamata T, Nakagawa M, Miura Y, Arai S, Kishimoto A, Kamishima Y, Shibata M, Choi GH, Kudo M, Okabe M, Tsukamoto T, Miyamoto K. [Occurrence of angioimmunoblastic T-cell lymphoma six months after onset of Lyme disease].[Article in Japanese]. *Rinsho Ketsueki*. 2000 Dec;41(12):1273-6.

Haupl T, Hahn G, Rittig M, Krause A, Schoerner C, Schonherr U, Kalden JR, Burmester GR. Persistence of *Borrelia burgdorferi* in ligamentous tissue from a patient with chronic Lyme borreliosis. *Arthr Rheum*. 1993;36(11):1621-6.

Hauser U, Krahl H, Peters H, Fingerle V, Wilske B. Impact of strain heterogeneity on Lyme disease serology in Europe: comparison of enzyme-linked immunosorbent assays using different species of *Borrelia burgdorferi* sensu lato. *J Clin Microbiol*. 1998 Feb;36(2):427-36.

Hauser U, Lehnert G, Wilske B. Diagnostic value of proteins of three *Borrelia* species (*Borrelia burgdorferi* sensu lato) and implications for development and use of recombinant antigens for serodiagnosis of Lyme borreliosis in Europe. *Clin Diagn Lab Immunol*. 1998 Jul;5(4):456-62.

Hauser U, Lehnert G, Wilske B. Validity of interpretation criteria for standardized Western blots (immunoblots) for serodiagnosis of Lyme borreliosis based on sera collected throughout Europe. *J Clin Microbiol*. 1999 Jul;37(7):2241-7.

Haven J, Vargas LC, Mongodin EF, Xue V, Hernandez Y, Pagan P, Fraser-Liggett CM, Schutzer SE, Luft BJ, Casjens SR, Qiu WG. Pervasive Recombination and Sympatric Genome Diversification Driven by Frequency-Dependent Selection in *Borrelia burgdorferi*, the Lyme disease Bacterium. *Genetics*. 2011 Sep 2. [Epub ahead of print]

Hawkins EC, Johnson LR, Guptill L, Marr HS, Breitschwerdt EB, Birkenheuer AJ. Failure to identify an association between serologic or molecular evidence of *Bartonella* infection and idiopathic rhinitis in dogs. *J Am Vet Med Assoc*. 2008 Aug 15;233(4):597-9.

Hawkins RC. The Evidence Based Medicine approach to diagnostic testing: practicalities and limitations. *Clin Biochem Rev*. 2005 May;26(2):7-18.

Hayes CN, Diez D, Joannin N, Honda W, Kanehisa M, Wahlgren M, Wheelock CE, Goto S. varDB: a pathogen-specific sequence database of protein families involved in antigenic variation. *Bioinformatics*. 2008 November 1; 24(21): 2564–2565. Published online 2008 September 6.

Hayes RK. From artemisinin to new artemisinin antimalarials: bio-synthesis, extraction, old and new derivatives, stereochemistry and medicinal chemistry requirements. *Curr Top Med Chem*. 2006;6(5):509-37.

Hayes SF, Burgdorfer W. Ultrastructure of *Borrelia burgdorferi*. In “Aspects of Lyme borreliosis,” ed. K. Weber, W. Burgdorfer. Berlin; Springer-Verlag. 1993.

He M, Ouyang Z, Troxell B, Xu H, Moh A, Piesman J, Norgard MV, Gomelsky M, Yang XF. Cyclic di-GMP is essential for the survival of the lyme disease spirochete in ticks. *PLoS Pathog*. 2011 Jun;7(6):e1002133. Epub 2011 Jun 30.

Heinrich A, Khaw AV, Ahrens N, Kirsch M, Dressel A. Cerebral vasculitis as the only manifestation of *Borrelia burgdorferi* infection in a 17-year-old patient with basal ganglia infarction. *Eur Neurol.* 2003;50(2):109-112.

Heir GM, Fein LA. Lyme disease: considerations for dentistry. *J Orofac Pain.* 1996 Winter;10(1):74-86.

Heller R, Kubina M, Mariet P, et al. *Bartonella alsatica* sp. nov., a new *Bartonella* species isolated from the blood of wild rabbits. *Int J Syst Bacteriol.* 1999;49 Pt 1:283-288.

Hemsworth S, Pizer B. Pet ownership in immunocompromised children--a review of the literature and survey of existing guidelines. *Eur J Oncol Nurs.* 2006 Apr;10(2):117-27. Epub 2006 Apr 3. Review.

Henderson SO, Magana RN. Babesiosis. eMedicine from WebMD. <http://www.emedicine.com/emerg/topic49.htm>. Updated 2006 Mar 8. Accessed January 2, 2007.

Hendrickx G, De Boeck H, Goossens A, Demanet C, Vandenplas Y. Persistent synovitis in children with Lyme arthritis: two unusual cases. An immunogenetic approach. *Eur J Pediatr.* 2004 Nov;163(11):646-50. Epub 2004 Jul 28.

Henn JB, Chomel BB, Boulouis HJ, Kasten RW, Murray WJ, Bar-Gal GK, King R, Courreau JF, Baneth G. *Bartonella rochalimae* in raccoons, coyotes, and red foxes. *Emerg Infect Dis.* 2009 Dec;15(12):1984-7.

Henn JB, Gabriel MW, Kasten RW, Brown RN, Koehler JE, MacDonald KA, Kittleson MD, Thomas WP, Chomel BB. Infective endocarditis in a dog and the phylogenetic relationship of the associated “*Bartonella rochalimae*” strain with isolates from dogs, gray foxes, and a human. *J Clin Microbiol.* 2009 Mar;47(3):787-90. Epub 2008 Dec 24.

Henn JB, Vanhorn BA, Kasten RW, Kachani M, Chomel BB. Antibodies to *Bartonella vinsonii* subsp. *Berkhoffii* in Moroccan dogs. *Am J Trop Med Hyg.* 2006 Feb;74(2):222-3.

Henningsson AJ, Tjernberg I, Malmvall BE, Forsberg P, Ernerudh J. Indications of Th1 and Th17 responses in cerebrospinal fluid from patients with Lyme neuroborreliosis: a large retrospective study. *J Neuroinflammation.* 2011 Apr 20;8:36.

Hercík K, Hásová V, Janecek J, Branny P. Molecular evidence of *Bartonella* DNA in ixodid ticks in Czechia. *Folia Microbiol (Praha).* 2007;52(5):503-9.

Herman JH, Ayache S, Olkowska D. Autoimmunity in transfusion babesiosis: a spectrum of clinical presentations. *J Clin Apher.* 2010;25(6):358-61. Epub 2010 Sep 7.

Hernandez-Da-Mota S, Escalante-Razo F. Bartonellosis causing bilateral Leber neuroretinitis: a case report. *Eur J Ophthalmol.* 2009 Mar-Apr;19(2):307-9.

Herremans M, Bakker J, Vermeulen MJ, Schellekens JF, Koopmans MP. Evaluation of an in-house cat scratch disease IgM ELISA to detect *Bartonella henselae* in a routine laboratory setting. *Eur J Clin Microbiol Infect Dis.* 2009 Feb;28(2):147-52. Epub 2008 Aug 5.

Herremans M, Vermeulen MJ, Van de Kassteele J, Bakker J, Schellekens JF, Koopmans MP. The use of *Bartonella henselae*-specific age dependent IgG and IgM in diagnostic models to discriminate diseased from non-diseased in Cat Scratch Disease serology. *J Microbiol Methods.* 2007 Nov;71(2):107-13. Epub 2007 Sep 15.

Herwaldt B, Persing DH, Précigout EA, Goff WL, Mathiesen DA, Taylor PW, Eberhard ML, Gorenflo AF. A fatal case of babesiosis in Missouri: identification of another piroplasm that infects humans. *Ann Intern Med.* 1996 Apr 1;124(7):643-50.

Herwaldt BL, Caccio S, Gherlinzoni F, Aspock H, Slemenda SB, Piccaluga P, Martinelli G, Edelhofer R, Hollenstein U, Poletti G, Pampiglione S, Loschenberger K, Tura S, Pieniazek NJ. Molecular characterization of a non-Babesia divergens organism causing zoonotic babesiosis in Europe. *Emerg Infect Dis.* 2003;9:942-48.

Herwaldt BL, de Bruyn G, Pieniazek NJ, Homer M, Lofy KH, Slemenda SB, Fritsche TR, Persing DH, Limaye AP. Babesia divergens-like infection, Washington State. *Emerg Infect Dis.* 2004 Apr;10(4):622-9.

Herwaldt RM, Kjemtrup AM, Conrad PA, Barnes RC, Wilson M, McCarthy MG, Sayers MH, Eberhard ML. Transfusion-transmitted babesiosis in Washington State: first reported case caused by WA1-type parasite. *J. Infect. Dis.* 1997 May;175(5):1259-62.

Herzer P, Wilske B, Preac-Mursic V, Schierz G, Schattenkirchner M, Zollner N. Lyme arthritis: clinical features, serological, and radiographic findings of cases in Germany. *Klin Wochenschr.* 1986;64(5):206-15.

Herzer P. Joint manifestations. In *Aspects of Lyme Borreliosis*, ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag.1993. pp 168-184.

Hess A, Buchmann J, Zettl UK, Henschel S, Schlaefke D, Grau G, Benecke R. *Borrelia burgdorferi* central nervous system infection presenting as an organic schizophrenialike disorder. *Biol Psychiatry.* 1999 Mar 15;45(6):795.

Heyman P, Cochez C, Hofhuis A, van der Giessen J, Sprong H, Porter SR, Lossen B, Saegerman C, Donoso-Mantke O, Niedrig M, Papa A. A clear and present danger: tick-borne diseases in Europe. *Expert Rev Anti Infect Ther.* 2010 Jan;8(1):33-50. Review.

Hien TT, Turner G, Mai NTH. Neuropathological assessment of artemether-treated severe malaria. *Lancet.* 2003;362:295-6.

Hildebrandt A, Hunfeld KP, Baier M, Krumbholz A, Sachse S, Lorenzen T, Kiehntopf M, Fricke HJ, Straube E. First confirmed autochthonous case of human Babesia microti infection in Europe. Eur J Clin Microbiol Infect Dis. 2007 Aug;26(8):595-601.

Hildebrandt A, Straube E, Neubauer H, Schmoock G. Coxiella burnetii and coinfections in Ixodes ricinus ticks in Central Germany. Vector Borne Zoonotic Dis. 2011 Aug;11(8):1205-7. Epub 2010 Dec 13.

Hilton E, Devoti J, Sood S. Recommendation to include OspA and OspB in the new immunoblotting criteria for serodiagnosis of Lyme disease. J Clin Microbiol. 1996 Jun;34(6):1353-4. Erratum in: J Clin Microbiol 1997 Oct;35(10):2713.

Hilton E, Smith C, Sood S. Ocular Lyme borreliosis diagnosed by polymerase chain reaction on vitreous fluid. Ann Intern Med. 1996 Sep 1;125(5):424-5.

Hilton E, Tramontano A, DeVoti J, Sood SK. Temporal study of immunoglobin M seroreactivity to *Borrelia burgdorferi* in patients treated for Lyme borreliosis. J Clin Microbiol. 1997 Mar;35(3):774-6.

Hindle E. On the life-cycle of spirochaeta gallinarum. Parasitology, Vol IV, pp. 463-477. 1912.

Hinrichsen VL, Whitworth UG, Breitschwerdt EB, Hegarty BC, Mather TN. Assessing the association between the geographic distribution of deer ticks and seropositivity rates to various tick-transmitted disease organisms in dogs. J Am Vet Med Assoc. 2001 Apr 1;218(7):1092-7.

Hinterseher I, Gäbel G, Corvinus F, Lück C, Saeger HD, Bergert H, Tromp G, Kuivaniemi H. Presence of *Borrelia burgdorferi* sensu lato antibodies in the serum of patients with abdominal aortic aneurysms. Eur J Clin Microbiol Infect Dis. 2011 Aug 13. [Epub ahead of print]

Hirai K, Takemori N, Yanagawa N, Namiki M, Iizuka H, Miyamoto K. *Borrelia burgdorferi* and Shulman syndrome. Lancet. 1992 Dec 12;340(8833):1472.

Hitt, J. The year in ideas: a to z.; evidence-based medicine. in New York Times (December 9, 2001, Sunday).

Hodzic, E, Feng S, Holden K, Freet K, Barthold SW. Persistence of *Borrelia burgdorferi* Following Antibiotic Treatment in Mice. 2008. Antimicro Agents Chemother, 52(5):1728-36.

Hoen AG, Rollend LG, Papero MA, Carroll JF, Daniels TJ, Mather TN, Schulze TL, Stafford KC 3rd, Fish D. Effects of tick control by acaricide self-treatment of white-tailed deer on host-seeking tick infection prevalence and entomologic risk for *Ixodes scapularis*-borne pathogens. Vector Borne Zoonotic Dis. 2009 Aug;9(4):431-8.

Hoey JG, Valois-Cruz F, Goldenberg H, Voskoboinik Y, Pfiffner J, Tilton RC, Mordechai E, Adelson ME. Development of an immunoglobulin M capture-based enzyme-linked immunosorbent assay for diagnosis of acute infections with *Bartonella henselae*. Clin Vaccine Immunol. 2009 Feb;16(2):282-4. Epub 2008 Dec 3.

Hofbauer GF, Kessler B, Kempf W, Nestle FO, Burg G, Dummer R. Multilesional primary cutaneous diffuse large b-cell lymphoma responsive to antibiotic treatment. Dermatology. 2001 ;203(2):168-70.

Hoffman RM, AboulHosn J, Child JS, Pegues DA. *Bartonella* endocarditis in complex congenital heart disease. Congenit Heart Dis. 2007 Jan-Feb;2(1):79-84.

Hofmann-Lehmann R, Meli ML, Dreher UM, Gönczi E, Deplazes P, Braun U, Engels M, Schüpbach J, Jörger K, Thoma R, Griot C, Stärk KD, Willi B, Schmidt J, Kocan KM, Lutz H. Concurrent Infections with Vector-Borne Pathogens Associated with Fatal Hemolytic Anemia in a Cattle Herd in Switzerland. J Clin Microbiol. 2004 August;42(8):3775-80.

Hofmeister E, Kolbert C, Abdulkarim A, Magera J et al. Cosegregation of a novel Bartonella species with *Borrelia burgdorferi* and *Babesia microti* in *Peromyscus leucopus*. *J Infect Dis.* 1998;177:409-416.

Holman PJ. Phylogenetic and biologic evidence that *Babesia divergens* is not endemic in the United States. *Ann N Y Acad Sci.* 2006 Oct;1081:518-25.

Holmes NE, Opat S, Kelman A, Korman TM. Refractory *Bartonella quintana* bacillary angiomatosis following chemotherapy for chronic lymphocytic leukaemia. *J Med Microbiol.* 2011 Jan;60(Pt 1):142-6. Epub 2010 Oct 14.

Homer MJ, Aguiler-Delfin I, SR Telford III, PJ Krause and DH Persing. Babesiosis. *Clin Microbiol Rev.* 2000 Jul;13(3):451-69.

Horneff G, Huppertz HI, Müller K, Voit T, Karch H. Demonstration of *Borrelia burgdorferi* infection in a child with Guillain-Barré syndrome. *Eur J Pediatr.* 1993;152(10):810-2.

Horowitz HW, Aguero-Rosenfeld M, Dumler JS, McKenna DF, Hsieh TC, Wu J, Schwartz I, Wormser GP. Reinfection with the agent of human granulocytic ehrlichiosis. *Ann Intern Med.* 1998 Sep 15;129(6):461-3.

Horowitz HW, Dworkin B, Forseter G, Nadelman RB, Connolly C, Luciano BB, Nowakowski J, O'Brien TA, Calmann M, Wormser GP. Liver function in early Lyme disease. *Hepatology.* 1996 Jun;23(6):1412-7.

Horowitz HW, Pavia CS, Bittker S, Forseter G, Cooper D, Nadelman RB, Byrne D, Johnson RC, Wormser GP. Sustained cellular immune responses to *Borrelia burgdorferi*: lack of correlation with clinical presentation and serology. *Clin Diagn Lab Immunol.* 1994 Jul;1(4):373-8.

Horowitz HW, Sanghera K, Goldberg N, Pechman D, Kamer R, Duray P, Weinstein A. Dermatomyositis associated with Lyme disease: case report and review of Lyme myositis. Clin Infect Dis. 1994;18(2):166-71.

Horowitz HW, Wormser GP. Doxycycline revisited: an old medicine for emerging diseases. Arch Intern Med. 1998 Jan 26;158(2):192-3.

Hoshinari NH, Barros PJ, Yassuda P, Baggio D, Steere AC, Pagliarine RC, Cossermelli W. [Epidemiological study of Lyme disease in Brazil]. [Article in Portuguese]. Rev Hosp Clin Fac Med Sao Paulo. 1992 Mar-Apr;47(2):71-5. Review.

Houck JA, Hojgaard A, Piesman J, Kuchta RD. Low-density microarrays for the detection of *Borrelia burgdorferi* s.s. (the Lyme disease spirochete) in nymphal *Ixodes scapularis*. Ticks Tick Borne Dis. 2011 Mar;2(1):27-36. Epub 2010 Nov 27.

Houhamdi L, Parola P, Raoult D. [Lice and lice-borne diseases in humans].[Article in French]. Med Trop (Mars). 2005;65(1):13-23. Review.

Houhamdi L, Raoult D. Experimental infection of human body lice with *Acinetobacter baumannii*. Am J Trop Med Hyg. 2006 Apr;74(4):526-31.

Houtman PM, Tazelaar DJ. Joint and bone involvement in Dutch patients with Lyme borreliosis presenting with acrodermatitis chronica atrophicans. Neth J Med. 1999 Jan;54(1):5-9.

Houpikian P, Fournier PE, Raoult D. Phylogenetic position of *Bartonella vinsonii* subsp. *arupensis* based on 16S rDNA and *gltA* gene sequences. Int J Syst Evol Microbiol. 2001 Jan;51(Pt 1):179-82.

Houpikian P, Raoult D. Molecular phylogeny of the genus *Bartonella*: what is the current knowledge? FEMS Microbiol Lett. 2001 Jun 12;200(1):1-7. Review.

Houpikian P, Raoult D. 16S/23S rRNA intergenic spacer regions for phylogenetic analysis, identification, and subtyping of *Bartonella* species. *J Clin Microbiol.* 2001 Aug;39(8):2768-78.

Houpikian P, Raoult D. Diagnostic methods current best practices and guidelines for identification of difficult-to-culture pathogens in infective endocarditis. *Infect Dis Clin North Am.* 2002 Jun;16(2):377-92. Review.

Houpikian P, Raoult D. Western immunoblotting for *Bartonella* endocarditis. *Clin Diagn Lab Immunol.* 2003 Jan;10(1):95-102.

Houpikian P, Raoult D. Diagnostic methods. Current best practices and guidelines for identification of difficult-to-culture pathogens in infective endocarditis. *Cardiol Clin.* 2003 May;21(2):207-17. Review.

Houpikian P, Raoult D. Blood culture-negative endocarditis in a reference center: etiologic diagnosis of 348 cases. *Medicine (Baltimore).* 2005;84(3):162-173.

Hovind-Hougen K, Asbrink E, Stiernstedt G, Steere AC, Hovmark A. Ultrastructural differences among spirochetes isolated from patients with Lyme disease and related disorders, and from *Ixodes ricinus*. *Zentralbl Bakteriol Mikrobiol Hyg A.* 1986 Dec;263(1-2):103-11.

Hovius JW, Bijlsma MF, van der Windt GJ, Wiersinga WJ, Boukens BJ, Coumou J, Oei A, de Beer R, de Vos AF, van 't Veer C, van Dam AP, Wang P, Fikrig E, Levi MM, Roelofs JJ, van der Poll T. The Urokinase Receptor (uPAR) Facilitates Clearance of *Borrelia burgdorferi*. *PLoS Pathog.* 2009 May; 5(5): e1000447. Published online 2009 May 22.

Hovmark A, Asbrink E, Olsson I. Joint and bone involvement in Swedish patients with *Ixodes ricinus*-borne *Borrelia* infection. *Zentralbl Bakteriol Mikrobiol Hyg A.* 1986 Dec;263(1-2):275-84.

Howland RH. Limitations of evidence in the practice of evidence-based medicine. *J Psychosoc Nurs Ment Health Serv.* 2007 Nov;45(11):13-6. Review.

Hsieh JW, Tung KC, Chen WC, Lin JW, Chien LJ, Hsu YM, Wang HC, Chomel BB, Chang CC. Epidemiology of *Bartonella* infection in rodents and shrews in Taiwan. *Zoonoses Public Health.* 2010 Sep;57(6):439-46.

Hu LT, Eskildsen MA, Masgala C, Steere AC, Arner EC, Pratta MA, Grodzinsky AJ, Loening A, Perides G. Host metalloproteinases in Lyme arthritis. *Arthritis Rheum.* 2001 Jun;44(6):1401-10.

Huang H, Lin M, Wang X, Kikuchi T, Mottaz H, Norbeck A, Rikihisa Y. Proteomic Analysis of and Immune Responses to *Ehrlichia chaffeensis* Lipoproteins. *Infect Immun.* 2008 Aug;76(8):3405-14. Published online 2008 May 19.

Huang J, Dai L, Lei S, Liao DY, Wang XQ, Luo TY, Chen Y, Hang ZB, Li GD, Dong DD, Xu G, Gu ZC, Hao JL, Hua P, He L, Duan FL. [Application of Warthin-Starry stain, immunohistochemistry and transmission electron microscopy in diagnosis of cat scratch disease].[Article in Chinese]. *Zhonghua Bing Li Xue Za Zhi.* 2010 Apr;39(4):225-9.

Huang R, Liu Q, Li G, Li D, Song X, Birtles RJ, Zhao F. *Bartonella quintana* Infections in Captive Monkeys, China. *Emerg Infect Dis.* 2011 Sep;17(9):1707-9.

Huarcaya E, Best I, Rodriguez-Tafur J, Maguiña C, Solórzano N, Menacho J, Lopez De Guimaraes D, Chauca J, Ventosilla P. Cytokines and T-Lymphocyte count in patients in the acute and chronic phases of *Bartonella bacilliformis* infection in an endemic area in Peru: a pilot study. *Rev Inst Med Trop Sao Paulo.* 2011 Jun;53(3):149-54.

Huarcaya E, Maguina C, Best I, Solorzano N, Leeman L. Immunological response in cases of complicated and uncomplicated bartonellosis during pregnancy. Rev Inst Med Trop Sao Paulo. 2007 Sep-Oct;49(5):335-7.

Huarcaya E, Maguiña C, Torres R, Rupay J, Fuentes L. Bartonellosis (Carrion's Disease) in the pediatric population of Peru: an overview and update. Braz J Infect Dis. 2004 Oct;8(5):331-9. Epub 2005 Mar 17. Review.

Hudson BJ, Stewart M, Lennox VA, Fukunaga M, Yabuki M, et al. Culture-positive Lyme borreliosis. Med J Aust. 1998 May 18;168(10):500-2.

Huegeli D, Moret J, Rais O, Moosmann Y, Erard P, Malinvernini R, Gern L. Prospective study on the incidence of infection by *Borrelia burgdorferi* sensu lato after a tick bite in a highly endemic area of Switzerland. Ticks Tick Borne Dis. 2011 Sep;2(3):129-36. Epub 2011 Jul 28.

Hulinska D, Bartak P, Hercogova J, Hancil J, Basta J, Schramlova J. Electron microscopy of Langerhans cells and *Borrelia burgdorferi* in Lyme disease patients. Zbl Bakt. 1994;280:348-9.

Hulínská D, Votýpka J, Kríz B, Holínková N, Nováková J, Hulínský V. Phenotypic and genotypic analysis of *Borrelia* spp. isolated from *Ixodes ricinus* ticks by using electrophoretic chips and real-time polymerase chain reaction. Folia Microbiol (Praha). 2007;52(4):315-24.

Hunfeld KP, Brade V. Zoonotic Babesia: Possibly emerging pathogens to be considered for tick-infested humans in central Europe. Int. J. Med. Microbiol. 2004;S37:93-103.

Hunfeld KP, Hildebrandt A, Gray JS. Babesiosis: recent insights into an ancient disease. Int J Parasitol. 2008 Sep;38(11):1219-37. Epub 2008 Mar 20. Review.

Hunfeld KP, Lambert A, Kampen H, Albert S, Epe C, Brade V, Tenter AM. Seroprevalence of Babesia infections in humans exposed to ticks in midwestern Germany. *J Clin Microbiol.* 2002 Jul;40(7):2431-6.

Hunfeld KP, Ruzic-Sabljic E, Norris DE, Kraiczy P, Strle F. In Vitro Susceptibility Testing of *Borrelia burgdorferi* Sensu Lato Isolates Cultured from Patients with Erythema Migrans before and after Antimicrobial Chemotherapy. 2005. *Antimicro Agents Chemother.* 49(4):1294-1301.

Hung le Q, de Vries PJ, Binh TQ, Giao PT, Nam NV, Holman R, Kager PA. Artesunate with mefloquine at various intervals for non-severe *Plasmodium falciparum* malaria. *Am J Trop Med Hyg.* 2004 Aug;71(2):160-6.

Hurwitz B, Clinical guidelines and the law. *BMJ.* 1995 Dec 9; 311(7019):1517-8.

Hussain S, Rathore MH. Cat scratch disease with epidural extension while on antimicrobial treatment. *Pediatr Neurosurg.* 2007;43(2):164-6.

Hutagalung R, Htoo H, Nwee P, Arunkamomkiri J, Zwang J, Carrara VI, Ashley E, Singhasivanon P, White NJ, Nosten F. A case-control auditory evaluation of patients treated with artemether-lumefantrine. *Am J Trop Med Hyg.* 2006 Feb;74(2):211-4.

Hutchings CL, Li A, Fernandez KM, Fletcher T, Jackson LA, Molloy JB, Jorgensen WK, Lim CT, Cooke BM. New insights into the altered adhesive and mechanical properties of red blood cells parasitized by *Babesia bovis*. *Mol Microbiol.* 2007 Aug;65(4):1092-105. Epub 2007 Jul 19.

Hyde JA, Weening EH, Chang M, Trzeciakowski JP, Höök M, Cirillo JD, Skare JT. Bioluminescent imaging of *Borrelia burgdorferi* in vivo demonstrates that the fibronectin-binding protein BBK32 is required for optimal infectivity. *Mol Microbiol.* 2011 Oct;82(1):99-113. Epub 2011 Aug 30.

Hyde JA, Weening EH, Skare JT. Genetic transformation of *Borrelia burgdorferi*. Curr Protoc Microbiol. 2011 Feb;Chapter 12:Unit 12C.4.

Igarashi I, Suzuki R, Waki S, et al. Roles of CD4(+) T cells and gamma interferon in protective immunity against *Babesia microti* infection in mice. Infect Immun. 1999;67(8):4143-8.

Il'ina TS, Bashkirov VN. [Interaction of bacteria of the genus *Bartonella* with the host: inhibition of apoptosis, induction of proliferation, and formation of tumors].[Article in Russian]. Mol Gen Mikrobiol Virusol. 2008;(3):3-11. Review.

Imai DM, Barr BC, Daft B, Bertone JJ, Feng S, Hodzic E, Johnston JM, Olsen KJ, Barthold SW. Lyme Neuroborreliosis in 2 Horses. Vet Pathol. 2011 Apr 1. [Epub ahead of print]

Imashuku S, Kakazu N, Ueda I, et al. Response to imatinib mesylate in a patient with idiopathic hypereosinophilic syndrome associated with cyclic eosinophil oscillations. Int J Hematol. 2005;81(4):310-4.

Incandela S, Raoult D, Vitale G, Micalizzi A, Mansueto P. Hepatosplenic cat-scratch fever with seropositivity for *Bartonella quintana*? Lancet Infect Dis. 2008 Nov;8(11):663.

Inoue K, Maruyama S, Kabeya H, Hagiya K, Izumi Y, Une Y, Yoshikawa Y. Exotic small mammals as potential reservoirs of zoonotic *Bartonella* spp. Emerg Infect Dis. 2009 Apr;15(4):526-32.

Inokuma H, Oyamada M, Kelly PJ, Jacobson LA, Fournier PE, Itamoto K, Okuda M, Brouqui P. Molecular Detection of a New Anaplasma Species Closely Related to *Anaplasma phagocytophilum* in Canine Blood from South Africa. J Clin Microbiol. 2005 June; 43(6): 2934-7.

Inoue K, Maruyama S, Kabeya H, Yamada N, Ohashi N, Sato Y, Yukawa M, Masuzawa T, Kawamori F, Kadosaka T, Takada N, Fujita H, Kawabata H. Prevalence and genetic diversity of *Bartonella* species isolated from wild rodents in Japan. *Appl Environ Microbiol.* 2008 Aug;74(16):5086-92. Epub 2008 Jul 7.

Inoue S, Gordon R, Berner G. *Erythema chronicum migrans* as the presenting manifestation of juvenile chronic myelocytic leukemia. *Cutis.* 1989;43(4):333-7.

The International Lyme and Associated Diseases Society (ILADS), Evidence-based guidelines for the management of Lyme disease. *Expert Rev Anti-infect Ther,* 2004. 2(Suppl): p. S1-S13.

Iori A, Gabrielli S, Calderini P, Moretti A, Pietrobelli M, Tampieri MP, Galuppi R, Cancrini G. Tick reservoirs for piroplasms in central and northern Italy. *Vet Parasitol.* 2010 Jun 24;170(3-4):291-6. Epub 2010 Feb 26.

Iralu J, Bai Y, Crook L, Tempest B, Simpson G, Mckenzie T, Koster F. Rodent-associated *Bartonella* febrile illness, Southwestern United States. *Emerg Infect Dis.* 2006 Jul;12(7):1081-6.

Irshad FA, Gordon RA. *Bartonella henselae* neuroretinitis in a 15-year-old girl with chronic myelogenous leukemia. *J AAPOS.* 2009 Dec;13(6):602-4.

Ishihara M, Ohno S, Ono H, Isogai E, Kimura K, Isogai H, Aoki K, et al. Seroprevalence of anti-Borrelia antibodies among patients with confirmed sarcoidosis in a region of Japan where Lyme borreliosis is endemic. *Graefes Arch Clin Exp Ophthalmol.* 1998;236(4):280-4.

Ishikawa T, Suzuki T, Shinoda M, Takashi H, Yamaguchi H, Suzuki T, Miyake N, Kamiya T. [A case of hepatosplenomegaly due to cat scratch disease]. [Article in Japanese]. *Nihon Shokakibyo Gakkai Zasshi.* 2006 Sep;103(9):1050-4.

Ismail N, Crossley EC, Stevenson HL, Walker DH. Relative Importance of T-Cell Subsets in Monocytotropic Ehrlichiosis: a Novel Effector Mechanism Involved in Ehrlichia-Induced Immunopathology in Murine Ehrlichiosis. *Infect Immun.* 2007 Sep;75(9):4608-20.  
Published online 2007 June 11.

Ismail N, Stevenson HL, Walker DH. Role of Tumor Necrosis Factor Alpha (TNF- $\alpha$ ) and Interleukin-10 in the Pathogenesis of Severe Murine Monocytotropic Ehrlichiosis: Increased Resistance of TNF Receptor p55- and p75-Deficient Mice to Fatal Ehrlichial Infection. *Infect Immun.* 2006 Mar;74(3):1846-56.

Iyer R, Hardham JM, Wormser GP, Schwartz I, Norris SJ. Conservation and heterogeneity of vlsE among human and tick isolates of *Borrelia burgdorferi*. *Infect Immun.* 2000 Mar;68(3):1714-8.

Iyer R, Liveris D, Adams A, Nowakowski J, McKenna D, Bittker S, Cooper D, Wormser GP, Schwartz I. Characterization of *Borrelia burgdorferi* isolated from erythema migrans lesions: interrelationship of three molecular typing methods. *J Clin Microbiol.* 2001 Aug;39(8):2954-7.

Izri A, Depaquit J, Parola P. Phlebotomine sandflies and transmission of disease agents around the Mediterranean basin. *Med Trop (Mars).* 2006;66(5):429-435.

Jackson LA, Spach DH. Emergence of *Bartonella quintana* infection among homeless persons. *Emerg Infect Dis.* 1996;2(2):141-144.

Jacobi C, Schwark C, Kress B, Hug A, Storch-Hagenlocher B, Schwaninger M. Subarachnoid hemorrhage due to *Borrelia burgdorferi*-associated vasculitis. *Eur J Neurol* 2006;13(5):536-8.

Jacobs JC, Stevens M, Duray PH. Lyme disease simulating septic arthritis. *JAMA,* 256(9)-letters. 1986.

Jacobs, RA. Infectious Diseases: Spirochetal. Current Medical Diagnosis and Treatment, 39th edition. New York:Lange Medical Books/McGraw-Hill. 2000.

Jacomo V, Kelly PJ, Raoult D. Natural history of Bartonella infections (an exception to Koch's postulate). Clin Diagn Lab Immunol. 2002 Jan;9(1):8-18. Review.

Jacquemin L, Bazin C, Lamy C, Chubilleau C, Barale T, Daoudal P, Duhamel C. Babesiose (ou piroplasmose) humaine: a propos de trois observations recentes en France. Maghreb Informations Medicales. 1980;2:31-38.

Jaenson TG, Lindgren E. The range of Ixodes ricinus and the risk of contracting Lyme borreliosis will increase northwards when the vegetation period becomes longer. Ticks Tick Borne Dis. 2011 Mar;2(1):44-9. Epub 2010 Dec 13.

Jain VK, Hilton E, Maytal J, Dorante G, Ilowite NT, Sood SK. Immunoglobulin M immunoblot for diagnosis of *Borrelia burgdorferi* infection in patients with acute facial palsy. J Clin Microbiol. 1996 Aug;34(8):2033-5.

Jalkanen S, Steere AC, Fox RI, Butcher EC. A distinct endothelial cell recognition system that controls lymphocyte traffic into inflamed synovium. Science. 1986 Aug 1;233(4763):556-8.

James AM, Liveris D, Wormser GP, Schwartz I, Montecalvo MA, Johnson BJ. *Borrelia lonestari* infection after a bite by an *Amblyomma americanum* tick. J Infect Dis. 2001 Jun 15;183(12):1810-4. Epub 2001 May 17.

James FM, Engiles JB, Beech J. Meningitis, cranial neuritis, and radiculoneuritis associated with *Borrelia burgdorferi* infection in a horse. J Am Vet Med Assoc. 2010 Nov 15;237(10):1180-5.

Jardine C, Appleyard G, Kosoy MY, McColl D, Chirino-Trejo M, Wobeser G, Leighton FA. Rodent-associated Bartonella in Saskatchewan, Canada. *Vector Borne Zoonotic Dis.* 2005 Winter;5(4):402-9.

Jardine C, Waldner C, Wobeser G, Leighton FA. Effect of experimental ectoparasite control on bartonella infections in wild Richardson's ground squirrels. *J Wildl Dis.* 2006 Oct;42(4):750-8.

Jaruratanasirkul S, Hortiwakul R, Tantisarasart T, Phuenpathom N, Tussanasunthornwong S. Distribution of Azithromycin into brain tissue, cerebrospinal fluid, and aqueous humor of the eye. *Antimicrob Agents Chemother.* 1996 Mar;40(3):825-6.

Javed MZ, Srivastava M, Zhang S, Kandathil M. Concurrent babesiosis and ehrlichiosis in an elderly host. *Mayo Clinic Proceeding* 2001;76(5):563-5.

Jeanclaude D, Godmer P, Leveiller D, Pouedras P, Fournier PE, Raoult D, Rolain JM. *Bartonella alsatica* endocarditis in a French patient in close contact with rabbits. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:110-1. Epub 2009 Apr 30.

Jeandel C, Perret C, Blain H, Jouanny P, Penin F, Laurain MC. Rhabdomyolysis with acute renal failure due to *Borrelia burgdorferi*. *J Intern Med.* 235(2):191-2. 1994.

Jeneby MM, Ngeiywa M, Yole DS, Mwenda JM, Suleman MA, Carlson HE. Enzootic simian piroplasm (*Entopolypoides macaci*) in wild-caught Kenyan non-human primates. *J Med Primatol.* 2008 Dec;37(6):329-36. Epub 2008 May 27.

Jenkins NE, Ferguson DJ, Alp NJ, Harrison TG, Bowler IC. Urban trench fever presenting as culture-negative endocarditis. *QJM.* 2009 Jan;102(1):63-5. Epub 2008 Oct 3.

Jensen WA, Fall MZ, Rooney J, Kordick DL, Breitschwerdt EB. Rapid identification and differentiation of *Bartonella* species using a single-step PCR assay. *J Clin Microbiol.* 2000 May;38(5):1717-22.

Jewett MW, Jain S, Linowski AK, Sarkar A, Rosa PA. Molecular characterization of the *Borrelia burgdorferi* in vivo-essential protein PncA. *Microbiology.* 2011 Oct;157(Pt 10):2831-40. Epub 2011 Jul 21.

Jiang G, Guo M, Wen Z. [Cat-scratch disease].[Article in Chinese]. Lin Chuang Er Bi Yan Hou Ke Za Zhi. 2005 Sep;19(18):820-2. Review.

Jiang S, Gilpin ME, Attia M, Ting YL, Berti PJ. Lyme disease enolpyruvyl-UDP-GlcNAc synthase: fosfomycin-resistant MurA from *Borrelia burgdorferi*, a fosfomycin-sensitive mutant, and the catalytic role of the active site Asp. *Biochemistry.* 2011 Mar 29;50(12):2205-12. Epub 2011 Feb 18.

Jiang Y, Hou XX, Geng Z, Hao Q, Wan KL. Interpretation criteria for standardized Western blot for the predominant species of *Borrelia burgdorferi* sensu lato in China. *Biomed Environ Sci.* 2010 Oct;23(5):341-9.

Johnson L, Aylward A, Stricker RB. Healthcare access and burden of care for patients with Lyme disease: a large United States survey. *Health Policy.* 2011 Sep;102(1):64-71. Epub 2011 Jun 14.

Johnson L, Stricker RB. Treatment of Lyme disease: a medicolegal assessment. *Expert Rev Anti Infect Ther.* 2004 Aug;2(4):533-57. Review.

Johnson L, Stricker RB. Attorney General forces Infectious Diseases Society of America to redo Lyme guidelines due to flawed development process. *J Med Ethics.* 2009 May;35(5):283-8.

Johnson L, Stricker RB. The Infectious Diseases Society of America Lyme guidelines: a cautionary tale about the development of clinical practice guidelines. *Philos Ethics Humanit Med.* 2010 Jun 9;5:9.

Johnson L, Stricker RB. Final report of the Lyme disease review panel of the Infectious Diseases Society of America: a pyrrhic victory? *Clin Infect Dis.* 2010 Nov 1;51(9):1108-9; author reply 1109-1.

Johnson R, Ramos-Vara J, Vemulapalli R. Identification of *Bartonella henselae* in an aborted equine fetus. *Vet Pathol.* 2009 Mar;46(2):277-81.

Johnson RC. *Leptospira*. In: Baron S, editor. *Medical Microbiology*. 4th edition. Galveston (TX): University of Texas Medical Branch at Galveston; 1996. Chapter 35.

Johnson RC, Kodner C, Jarnefeld J, Eck DK, Xu Y. Agents of Human Anaplasmosis and Lyme Disease at Camp Ripley, Minnesota. *Vector Borne Zoonotic Dis.* 2011 Aug 25. [Epub ahead of print]

Johnson ST, Cable RG, Leiby DA. Lookback investigations of *Babesia microti*-seropositive blood donors: seven-year experience in a *Babesia*-endemic area. *Transfusion.* 2011 Sep 12. [Epub ahead of print]

Johnson ST, Cable RG, Tonnetti L, Spencer B, Rios J, Leiby DA. Seroprevalence of *Babesia microti* in blood donors from *Babesia*-endemic areas of the northeastern United States: 2000 through 2007. *Transfusion.* 2009 Dec;49(12):2574-82. Epub 2009 Oct 10.

Johnston YE, Duray PH, Steere AC, Kashgarian M, Buza J, Malawista SE, Askenase PW. Lyme arthritis. Spirochetes found in synovial microangiopathic lesions. *Am J Pathol.* 1985 Jan;118(1):26-34.

Jones, JH. *Bad Blood: The Tuskegee Syphilis Experiment*, expanded edition (New York: Free Press, 1993).

Jones KL, Glickstein LJ, Damle N, Sikand VK, McHugh G, Steere AC. *Borrelia burgdorferi* genetic markers and disseminated disease in patients with early Lyme disease. *J Clin Microbiol.* 2006 Dec;44(12):4407-13. Epub 2006 Oct 11.

Jones KL, McHugh GA, Glickstein LJ, Steere AC. Analysis of *Borrelia burgdorferi* genotypes in patients with Lyme arthritis: High frequency of ribosomal RNA intergenic spacer type 1 strains in antibiotic-refractory arthritis. *Arthritis Rheum.* 2009 Jul;60(7):2174-82.

Jones KL, Muellegger RR, Means TK, Lee M, Glickstein LJ, Damle N, Sikand VK, Luster AD, Steere AC. Higher mRNA levels of chemokines and cytokines associated with macrophage activation in erythema migrans skin lesions in patients from the United States than in patients from Austria with Lyme borreliosis. *Clin Infect Dis.* 2008 Jan 1;46(1):85-92.

Jones KL, Seward RJ, Ben-Menachem G, Glickstein LJ, Costello CE, Steere AC. Strong IgG antibody responses to *Borrelia burgdorferi* glycolipids in patients with Lyme arthritis, a late manifestation of the infection. *Clin Immunol.* 2009 Jul;132(1):93-102. Epub 2009 Apr 2.

Jones SL, Maggi R, Shuler J, Alward A, Breitschwerdt EB. Detection of *Bartonella henselae* in the blood of 2 adult horses. *J Vet Intern Med.* 2008 Mar-Apr;22(2):495-8. Epub 2008 Mar 10.

Joseph JT, Roy SS, Shams N, Visintainer P, Nadelman RB, Hosur S, Nelson J, Wormser GP. Babesiosis in Lower Hudson Valley, New York, USA. *Emerg Infect Dis.* 2011 May;17(5):843-7.

Juchnowicz D, Rudnik I, Czernikiewicz A, Zajkowska J, Pancewicz SA. [Mental disorders in the course of Lyme borreliosis and tick-borne encephalitis].[Article in Polish]. *Przegl Epidemiol.* 2002;56 Suppl 1:37-50.

Just FT, Gilles J, Pradel I, Pfalzer S, Lengauer H, Hellmann K, Pfister K. Molecular evidence for *Bartonella* spp. in cat and dog fleas from Germany and France. *Zoonoses Public Health.* 2008 Oct;55(8-10):514-20. Epub 2008 May 16.

Kabacoff RI, Segal DL, Hersen M, Van Hasselt VB. Psychometric properties and diagnostic utility of the Beck Anxiety Inventory and the State-Trait Anxiety Inventory with older adult psychiatric outpatients. *J Anxiety Disord.* 1997;11(1):33-47.

Kabeya H, Colborn JM, Bai Y, Lerdthusnee K, Richardson JH, Maruyama S, Kosoy MY. Detection of *Bartonella tamiae* DNA in ectoparasites from rodents in Thailand and their sequence similarity with bacterial cultures from Thai patients. *Vector Borne Zoonotic Dis.* 2010 Jun;10(5):429-34.

Kabeya H, Tsunoda E, Maruyama S, Mikami T. Immune responses of immunocompetent and immunocompromised mice experimentally infected with *Bartonella henselae*. *J Vet Med Sci.* 2003 Apr;65(4):479-84.

Kaçar N, Taşlı L, Demirkan N, Ergin C, Ergin S. HIV-negative case of bacillary angiomatosis with chronic hepatitis B. *J Dermatol.* 2010 Aug;37(8):722-5.

Kachur SP, Reller ME, Barber AM, Barat LM, Koumans EH, Parise ME, Roberts J, Ruebush TK 2nd, Zucker JR. Malaria surveillance—United States, 1994. *MMWR. CDC Surveill. Summ.* 1997;Oct 17;46(5):1-18.

Kaewmongkol G, Kaewmongkol S, Fleming PA, Adams PJ, Ryan U, Irwin PJ, Fenwick SG. Zoonotic *Bartonella* Species in Fleas and Blood from Red Foxes in Australia. *Vector Borne Zoonotic Dis.* 2011 Sep 15. [Epub ahead of print]

Kaewmongkol G, Kaewmongkol S, McInnes LM, Burmej H, Bennett MD, Adams PJ, Ryan U, Irwin PJ, Fenwick SG. Genetic characterization of flea-derived *Bartonella* species from native animals in Australia suggests host-parasite co-evolution. *Infect Genet Evol.* 2011 Aug 12. [Epub ahead of print]

Kaewmongkol G, Kaewmongkol S, Owen H, Fleming PA, Adams PJ, Ryan U, Irwin PJ, Fenwick SG. *Candidatus Bartonella antechini*: a novel *Bartonella* species detected in fleas and ticks from the yellow-footed antechinus (*Antechinus flavipes*), an Australian marsupial. *Vet Microbiol*. 2011 May 5;149(3-4):517-21. Epub 2010 Dec 8.

Kager PA, Schultz MJ, Zijlstra EE, et al. Arteether administration in humans: preliminary studies of pharmacokinetics, safety, and tolerance. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 1994;88:53-54.

Kaiser PO, Riess T, O'Rourke F, Linke D, Kempf VA. *Bartonella* spp.: throwing light on uncommon human infections. *Int J Med Microbiol*. 2011 Jan;301(1):7-15. Epub 2010 Sep 15. Review.

Kaiser PO, Riess T, Wagner CL, Linke D, Lupas AN, Schwarz H, Raddatz G, Schäfer A, Kempf VA. The head of *Bartonella adhesin A* is crucial for host cell interaction of *Bartonella henselae*. *Cell Microbiol*. 2008 Nov;10(11):2223-34. Epub 2008 Jul 7.

Kakkilaya, BS. The Malaria Site. Malaria Risk in Africa. Available from: <http://www.malariasite.com/malaria/artemisinin.htm>. Accessed August 12,13 & 26, 2006.

Kalina P, Decker A, Kornel E, Halperin JJ. Lyme disease of the brainstem. *Neuroradiology*. 2005 Dec;47(12):903-7.

Kalish RA, McHugh G, Granquist J, Shea B, Ruthazer R, Steere AC. Persistence of immunoglobulin M or immunoglobulin G antibody responses to *Borrelia burgdorferi* 10-20 years after active Lyme disease. *Clin Infect Dis*. 2001 Sep 15;33(6):780-5. Epub 2001 Aug 10.

Kalish RA, Kaplan RF, Taylor E, Jones-Woodward L, Workman K, Steere AC. Evaluation of study patients with Lyme disease, 10-20-year follow-up. *J Infect Dis*. 2001 Feb 1;183(3):453-60. Epub 2000 Dec 27.

Kalish RA, Leong JM, Steere AC. Early and late antibody responses to full-length and truncated constructs of outer surface protein A of *Borrelia burgdorferi* in Lyme disease. *Infect Immun.* 1995 Jun;63(6):2228-35.

Kalish RA, Leong JM, Steere AC. Association of treatment-resistant chronic Lyme arthritis with HLA-DR4 and antibody reactivity to OspA and OspB of *Borrelia burgdorferi*. *Infect Immun.* 1993 Jul;61(7):2774-9.

Kalogeropoulos C, Koumpoulis I, Mentis A, Pappa C, Zafeiropoulos P, Aspiotis M. Bartonella and intraocular inflammation: a series of cases and review of literature. *Clinical Ophthalmology*, June 2011 Volume 2011:5, pages 817-829.

Kaminsky P, Grignon Y, Deibener J, Maurer P, Duc M. Nervous system borreliosis with pseudo-lymphoma cells in cerebrospinal fluid. *Rev Neurol (Paris)*. 154(2):170-2. 1998.

Kamoi K, Yoshida T, Takase H, Yokota M, Kawaguchi T, Mochizuki M. Seroprevalence of *Bartonella henselae* in patients with uveitis and healthy individuals in Tokyo. *Jpn J Ophthalmol.* 2009 Sep;53(5):490-3. Epub 2009 Oct 22.

Kämpfer P, Rosselló-Mora R, Scholz HC, Welinder-Olsson C, Falsen E, Busse HJ. Description of *Pseudochrobactrum* gen. nov., with the two species *Pseudochrobactrum asaccharolyticum* sp. nov. and *Pseudochrobactrum saccharolyticum* sp. nov. *Int J Syst Evol Microbiol.* 2006 Aug;56(Pt 8):1823-9.

Kamradt T, Lengl-Janssen B, Strauss AF, Bansal G, Steere AC. Dominant recognition of a *Borrelia burgdorferi* outer surface protein A peptide by T helper cells in patients with treatment-resistant Lyme arthritis. *Infect Immun.* 1996 Apr;64(4):1284-9.

Kan L, Sood SK, Maytal J. Pseudotumor cerebri in Lyme disease: a case report and literature review. *Pediatr Neurol.* 1998 May;18(5):439-41. Review.

Kannian P, Drouin EE, Glickstein L, Kwok WW, Nepom GT, Steere AC. Decline in the frequencies of *Borrelia burgdorferi* OspA161 175-specific T cells after antibiotic therapy in HLA-DRB1\*0401-positive patients with antibiotic-responsive or antibiotic-refractory lyme arthritis. *J Immunol.* 2007 Nov 1;179(9):6336-42.

Kannian P, McHugh G, Johnson BJ, Bacon RM, Glickstein LJ, Steere AC. Antibody responses to *Borrelia burgdorferi* in patients with antibiotic-refractory, antibiotic-responsive, or non-antibiotic-treated Lyme arthritis. *Arthritis Rheum.* 2007 Dec;56(12):4216-25.

Kaplan RF, Jones-Woodward L, Workman K, Steere AC, Logigian EL, Meadows ME. Neuropsychological deficits in Lyme disease patients with and without other evidence of central nervous system pathology. *Appl Neuropsychol.* 1999;6(1):3-11.

Kaplan RF, Meadows ME, Vincent LC, Logigian EL, Steere AC. Memory impairment and depression in patients with Lyme encephalopathy: comparison with fibromyalgia and nonpsychotically depressed patients. *Neurology.* 1992 Jul;42(7):1263-7.

Kaplan RF, Trevino RP, Johnson GM, Levy L, Dornbush R, Hu LT, Evans J, Weinstein A, Schmid CH, Klempner MS. Cognitive function in post-treatment Lyme disease: Do additional antibiotics help? *Neurology.* 2003 Jun 24;60:1916-22.

Karan' LS, Koliasnikova NM, Toporkova MG, Makhneva MA, Nadezhina MV, Esaulkova AIu, Romanenko VV, Arumova EA, Platonov AE, Maleev VV. [Usage of real time polymerase chain reaction for diagnostics of different tick-borne infections]. [Article in Russian]. *Zh Mikrobiol Epidemiol Immunobiol.* 2010 May-Jun;(3):72-7.

Kariu T, Coleman AS, Anderson JF, Pal U. Methods for rapid transfer and localization of lyme disease pathogens within the tick gut. *J Vis Exp.* 2011 Feb 14;(48). pii: 2544.

Karma A, Seppala I, Mikkila H, Kaakkola S, Viljanen M, Tarkkanen A. Diagnosis and clinical characteristics of ocular Lyme borreliosis. Am J Ophthalmol. 119(2):127-35. 1995.

Karna SL, Sanjuan E, Esteve-Gassent MD, Miller CL, Maruskova M, Seshu J. CsrA modulates levels of lipoproteins and key regulators of gene expression critical for pathogenic mechanisms of *Borrelia burgdorferi*. Infect Immun. 2011 Feb;79(2):732-44. Epub 2010 Nov 15.

Karolak J, Gotz-Wipckowska A. [Neuroretinitis in cat scratch disease]. [Article in Polish]. Klin Oczna. 2010;112(4-6):131-4.

Karras A, Thervet E, Legendre C; Groupe Coopératif de transplantation d'Ile de France. Hemophagocytic syndrome in renal transplant recipients: report of 17 cases and review of literature. Transplantation. 2004 Jan 27;77(2):238-43. Review.

Kathiiresan S, Kelsey PB, Steere AC, Foster CS, Curvelo MS, Stone JR. Case records of the Massachusetts General Hospital. Case 14-2005. A 38-year-old man with fever and blurred vision. N Engl J Med. 2005 May 12;352(19):2003-12.

Katzel, J., Is there a consensus in treatment of Lyme Borreliosis?, in Lyme Disease 1991 Patient/Physician Perspectives from the U.S. & Canada, L. Mermin, Editor. 1992.

Kauffmann DJ, Wormser GP. Ocular Lyme disease: case report and review of the literature. Br J Ophthalmol. 1990 Jun;74(6):325-7. Review.

Kaufman LD, Gruber BL, Phillips ME, Benach JL. Late cutaneous Lyme disease: acrodermatitis chronica atrophicans. Am J Med, 86(6 Pt 2):828-30. 1989.

Kawagishi N, Takahashi H, Hashimoto Y, Miyamoto K, Iizuka H. A case of Lyme disease with parotitis. Dermatology. 1998;197(4):386-7.

Kazakoff MA, Sinusas K, Macchia C. Liver function test abnormalities in early Lyme disease. *Arch Fam Med.* 2(4):409-13. 1993.

Kazragis RJ, Dever LL, Jorgensen JH, Barbour AG. In vivo activities of ceftriaxone and vancomycin against *Borrelia* spp. in the mouse brain and other sites. *Antimicrobial Agents & Chemotherapy*, Nov;40(11):2632-6. 1996.

Keilp JG, Corbera K, Slavov I, Taylor MJ, Sackeim HA, Fallon BA. WAIS-III and WMS-III performance in chronic Lyme disease. *J Int Neuropsychol Soc.* 2006 Jan;12(1):119-29.

Keirans JE, Hucheson HJ, Durden LA, Klompen JS. *Ixodes (Ixodes) scapularis* (Acari:Ixodidae): redescription of all active stages, distribution, hosts, geographical variation, and medical and veterinary importance. *J Med Entomol.* 1996 May;33(3):297-318.

Kelly B, Finnegan P, Cormican M, Callaghan J. Lyme disease and glomerulonephritis. *Irish Med J.* 92(5):372-373. 1999.

Kelly P, Rolain JM, Maggi R, Sontakke S, Keene B, Hunter S, Lepidi H, Breitschwerdt KT, Breitschwerdt EB. *Bartonella quintana* endocarditis in dogs. *Emerg Infect Dis.* 2006 Dec;12(12):1869-72.

Kelly P, Rolain JM, Raoult D. Prevalence of human pathogens in cat and dog fleas in New Zealand. *N Z Med J.* 2005 Nov 25;118(1226):U1754.

Kelly PJ, Eoghan GN, Raoult D. Antibodies reactive with *Bartonella henselae* and *Ehrlichia canis* in dogs from the communal lands of Zimbabwe. *J S Afr Vet Assoc.* 2004 Sep;75(3):116-20.

Kelly PJ, Matthewman LA, Hayter D, Downey S, Wray K, Bryson NR, Raoult D. *Bartonella (Rochalimaea) henselae* in southern Africa--evidence for infections in domestic cats and implications for veterinarians. *J S Afr Vet Assoc.* 1996 Dec;67(4):182-7.

Kelly PJ, Meads N, Theobald A, Fournier PE, Raoult D. Rickettsia felis, Bartonella henselae, and B. clarridgeiae, New Zealand. *Emerg Infect Dis.* 2004 May;10(5):967-8.

Kelly PJ, Midwinter A, Rolain JM, Raoult D. Polymerase chain reaction (PCR) survey for rickettsias and bartonellas in ticks from New Zealand. *N Z Vet J.* 2005 Dec;53(6):468-9.

Kelly PJ, Moura L, Miller T, Thirk J, Perreault N, Weil A, Maggio R, Lucas H, Breitschwerdt E. Feline immunodeficiency virus, feline leukemia virus and Bartonella species in stray cats on St Kitts, West Indies. *J Feline Med Surg.* 2010 Jun;12(6):447-50. Epub 2010 Feb 6.

Kenedy MR, Akins DR. The OspE-related proteins inhibit complement deposition and enhance serum resistance of *Borrelia burgdorferi*, the lyme disease spirochete. *Infect Immun.* 2011 Apr;79(4):1451-7. Epub 2011 Jan 31.

Kern A, Collin E, Barthel C, Michel C, Jaulhac B, Boulanger N. Tick saliva represses innate immunity and cutaneous inflammation in a murine model of lyme disease. *Vector Borne Zoonotic Dis.* 2011 Oct;11(10):1343-50. Epub 2011 May 25.

Kernif T, Aissi M, Doumandji SE, Chomel BB, Raoult D, Bitam I. Molecular evidence of Bartonella infection in domestic dogs from Algeria, North Africa, by polymerase chain reaction (PCR). *Am J Trop Med Hyg.* 2010 Aug;83(2):298-300.

Kernif T, Parola P, Davoust B, Plaire L, Cabre O, Raoult D, Rolain JM. Bartonella clarridgeiae in Fleas, Tahiti, French Polynesia. *Emerg Infect Dis.* 2011 Sep;17(9):1773-5.

Kernif T, Parola P, Ricci JC, Raoult D, Rolain JM. Molecular detection of Bartonella alsatica in rabbit fleas, France. *Emerg Infect Dis.* 2010 Dec;16(12):2013-4.

Kersten A, Poitschek C, Rauch S, Aberer E. Effects of penicillin, ceftriaxone, and doxycycline on the morphology of *Borrelia burgdorferi*. *Antimicrobial Agents & Chemotherapy*, 39(5):1127-33. 1995.

Kessler RJ, Rankin S, Young S, O'Shea K, Calabrese M, Guldin A, Lipson N, Oakley DA, Giger U. *Pseudomonas fluorescens* contamination of a feline packed red blood cell unit and studies of canine units. *Vet Clin Pathol*. 2010 March; 39(1): 29–38. Published online 2009 October 15.

Kesteman T, Rossi C, Bastien P, Brouillard J, Avesani V, Olive N, Martin P, Delmée M. Prevalence and genetic heterogeneity of *Borrelia burgdorferi* sensu lato in Ixodes ticks in Belgium. *Acta Clin Belg*. 2010 Sep-Oct;65(5):319-22.

Keynan Y, Yakirevitch E, Shusterman T, Alter-Migdal E, Avidor B, Weber G, Giladi M. Bone marrow and skin granulomatosis in a patient with *Bartonella* infection. *J Med Microbiol*. 2007 Jan;56(Pt 1):133-5.

Khoudri I, Frémont G, Flageul B, Brière J, Dubertret L, Viguier M. [Bilateral inguinal lymphadenopathy and erythema nodosum: an uncommon presentation of cat scratch disease].[Article in French]. *Rev Med Interne*. 2011 Mar;32(3):e34-6. Epub 2010 Jun 19.

Kielian T. Toll-Like Receptors in Central Nervous System Glial Inflammation and Homeostasis. *J Neurosci Res*. 2006 April; 83(5): 711–730.

Kielich M, Fiedler A, Driever PH, Weis R, Schwabe D, Jacobi G. Lyme borreliosis mimicking central nervous system malignancy: the diagnostic pitfall of cerebrospinal fluid cytology. *Brain Dev*, 22(6):403-6. 2000.

Kim DM, Yu KD, Lee JH, Kim HK, Lee SH. Controlled trial of a 5-day course of telithromycin versus doxycycline for treatment of mild to moderate scrub typhus. *Antimicrob Agents Chemother*. 2007 Jun;51(6):2011-5. Epub 2007 Apr 2.

Kim JY, Cho SH, Joo HN, Tsuji M, Cho SR, Park IJ, Chung GT, Ju JW, Cheun HI, Lee HW, Lee YH, Kim TS. First case of human babesiosis in Korea: detection and characterization of a novel type of Babesia sp. (KO1) similar to ovine babesia. *J Clin Microbiol.* 2007 Jun;45(6):2084-7. Epub 2007 Mar 28.

Kim SJ, Kim MS, Lee JW, Lee CH, Yoo H, Shin SH, Park MJ, Lee SH. Dihydroartemisinin enhances radiosensitivity of human glioma cells in vitro. *J Cancer Res Clin Oncol.* 2006 Feb;132(2):129-35.[Epub 2005 Nov. 5]

Kirby JE. In Vitro Model of *Bartonella henselae*-Induced Angiogenesis. *Infect Immun.* 2004 December; 72(12): 7315–7317.

Kirby JE, Nekorchuk DM. *Bartonella*-associated endothelial proliferation depends on inhibition of apoptosis. *Proc Natl Acad Sci U S A.* 2002 April 2; 99(7): 4656–4661. Published online 2002 March 19.

Kirchner M, Brunner A, Edelhofer R, Joachim A. [Vector-borne parasites of dogs on the Islands of Cabo Verde]. [Article in German]. *Wien Klin Wochenschr.* 2008;120(19-20 Suppl 4):49-53.

Kirmizis D, Efstratiadis G, Economidou D, Diza-Mataftsi E, Leontsini M, Memmos D. MPGN secondary to Lyme disease. [MPGN = Mesangiocapillary Glomerulonephritis]. *Am J Kidney Dis,* 43:544-551. 2004.

Kirsch M, Ruben FL, Steere AC, Duray PH, Norden CW, Winkelstein A. Fatal adult respiratory distress syndrome in a patient with Lyme disease. *JAMA.* 1988 May 13;259(18):2737-9.

Kiss T, Cadar D, Krupaci AF, Bordeanu A, Brudaşă GF, Mihalca AD, Mircean V, Gliga L, Dumitache MO, Spînu M. Serological Reactivity to *Borrelia burgdorferi* Sensu Lato in Dogs and Horses from Distinct Areas in Romania. *Vector Borne Zoonotic Dis.* 2011 Sep;11(9):1259-62. Epub 2011 May 25.

Kitchell BE, Fan TM, Kordick D, Breitschwerdt EB, Wollenberg G, Lichtensteiger CA. Peliosis hepatitis in a dog infected with Bartonella henselae. J Am Vet Med Assoc. 2000 Feb 15;216(4):519-23, 517.

Kitchen LW, Vaughn DW, Skillman DR. Role of US military research programs in the development of US food and drug administration-approved antimalaria drugs. Reviews of anti-infective agents. Clin Infect Dis. 2006 Jul 1;43(1):67-71. Epub 2006 May 24

Kjelland V, Stuen S, Skarpaas T, Slettan A. Borrelia burgdorferi sensu lato in Ixodes ricinus ticks collected from migratory birds in Southern Norway. Acta Vet Scand. 2010 Nov 6;52:59.

Kjelland V, Ytrehus B, Vikørren T, Stuen S, Skarpaas T, Slettan A. Borrelia burgdorferi sensu lato detected in skin of Norwegian mountain hares (*Lepus timidus*) without signs of dissemination. J Wildl Dis. 2011 Apr;47(2):293-9.

Kjemtrup AM, Lee B, Fritz CL, Evans C, Chervenak M, Conrad PA. Investigation of transfusion transmission of a WA1-type babesial parasite to a premature infant in California. Transfusion. 2002;42:1482-7.

Klayman D. Qinghaosu (Artemisinin): Antimalarial Drug from China. Science, 1985, May 31;238:p.1049.

Klayman DL, Ager AL Jr, Fleckenstein L, Lin AJ. Transdermal artelinic acid: an effective treatment for Plasmodium berghei-infected mice. Am J Trop Med Hyg. 1991 Nov;45(5):602-7.

Klempner MS, Hu LT, Evans J, Schmid CH, Johnson GM, Trevino RP, Norton D, Levy L, Wall D, McCall J, Kosinski M, Weinstein A. Two controlled trials of antibiotic treatment in patients with persistent symptoms and a history of Lyme disease. N Engl J Med. 2001 Jul 12;345:85-92.

Klempner MS, Noring R, Rogers RA. Invasion of Human Skin Fibroblasts by the Lyme Disease Spirochete, *Borrelia burgdorferi*. *J Infect Diseases* 1993;67:1074-81.

Klempner MS, Schmid CH, Hu L, Steere AC, Johnson G, McCloud B, Noring R, Weinstein A. Intralaboratory reliability of serologic and urine testing for Lyme disease. *Am J Med*. 2001 Feb 15;110(3):217-9.

Klempner MS, Wormser GH, Wade K, Trevino RP, Tang J, Kaslow RA, Schmid C. A case-control study to examine HLA haplotype associations in patients with posttreatment chronic Lyme disease. *J Infect Dis*. 2005 Sep 15;192(6):1010-3. Epub 2005 Aug 4.

Klieneberger-Nobel E. The filterable forms of bacteria. *Bacteriol Rev*, 15:77-103. 1951.

Klingebiel R, Benndorf G, Schmitt M, von Moers A, Lehmann R. Large cerebral vessel occlusive disease in Lyme neuroborreliosis. *Neuropediatrics*, 33(1):37-40. 2002.

Klotz SA, Ianas V, Elliott SP. Cat-scratch Disease. *Am Fam Physician*. 2011 Jan 15;83(2):152-5. Review.

Knauer J, Krupka I, Fueldner C, Lehmann J, Straubinger RK. Evaluation of the preventive capacities of a topically applied azithromycin formulation against Lyme borreliosis in a murine model. *J Antimicrob Chemother*. 2011 Sep 15. [Epub ahead of print]

Kobayashi K, Mizukoshi C, Aoki T, Muramori F, Hayashi M, et al. *Borrelia burgdoferi*-seropositive chronic encephalomyelopathy: Lyme neuroborreliosis? An autopsied report. *Dement Geriatr Cogn Disord*, 8(6):384-90. 1997.

Kodama Y, Maeno N, Nishi J, Imuta N, Oda H, Tanaka S, Kono Y, Kawano Y. Multifocal osteomyelitis due to *Bartonella henselae* in a child without focal pain. *J Infect Chemother*. 2007 Oct;13(5):350-2. Epub 2007 Oct 30.

Koenig CL, Miller JC, Nelson JM, Ward DM, Kushner JP, Bockenstedt LK, Weis JJ, Kaplan J, De Domenico I. Toll-like receptors mediate induction of hepcidin in mice infected with *Borrelia burgdorferi*. *Blood*. 2009 August 27; 114(9): 1913–1918. Prepublished online 2009 July 8.

Koesling J, Aebischer T, Falch C, Schulein R, Dehio C. Cutting edge: antibody-mediated cessation of hemotropic infection by the intraerythrocytic mouse pathogen *Bartonella grahamii*. *J Immunol*. 2001;167(1):11-14.

Koga T, Taguchi J, Suzuki M, Higa Y, Kamimura T, Nishimura M, Arakawa M. Cat scratch disease presenting with a retroperitoneal abscess in a patient without animal contacts. *J Infect Chemother*. 2009 Dec;15(6):414-6. Epub .

Koga T, Taguchi J, Suzuki M, Higa Y, Kamimura T, Nishimura M, Arakawa M. A “silent culture-negative” abdominal aortic mycotic aneurysm: Rapid detection of *Bartonella* species using PCR and high-throughput mass spectrometry. *Hawaii Med J*. 2010 Mar;69(3):68-9.

Kohler J. Lyme borreliosis: a case of transverse myelitis with syrinx cavity. *Neurology*, 39(11):1553-4. 1989.

Kohler J, Kern U, Kasper J, Rhese-Kupper B, Thoden U. Chronic central nervous system involvement in Lyme borreliosis. *Neurology*, 38(6):863-7. 1988.

Kohler J, Schneider H, Vogt A. High-dose intravenous penicillin G does not prevent further progression in early neurological manifestation of Lyme borreliosis. 1989. *Infection*, 17(4):216-7.

Köhler W. Killed in action: microbiologists and clinicians as victims of their occupation. Part 2: Yellow fever and bartonellosis. *Int J Med Microbiol*. 2005 Aug;295(4):193-200.

Köllisch G, Kalali BN, Voelcker V, Wallich R, Behrendt H, Ring J, Bauer S, Jakob T, Mempel M, Ollert M. Various members of the Toll-like receptor family contribute to the innate immune response of human epidermal keratinocytes. *Immunology*. 2005 April; 114(4): 531–541.

Kolören Z, Avşar C, Şekeroğlu ZA. [Diagnosis of protozoa by loop-mediated isothermal amplification: (LAMP)].[Article in Turkish]. *Turkiye Parazitol Derg*. 2010;34(4):207-11.

Kon Y. Über die Silberreaktion der Zellen. Jena, Gustav Fischer. 1933.

Koranda FC. Antimalarials. *J Am Acad Dermatol*. 1981 Jun;4(6):650-5.

Kordick DL, Breitschwerdt EB. Intraerythrocytic presence of *Bartonella henselae*. *J Clin Microbiol*. 1995;33(6):1655-1656.

Kordick DL, Breitschwerdt EB. Relapsing bacteremia after blood transmission of *Bartonella henselae* to cats. *Am J Vet Res*. 1997 May;58(5):492-7.

Kordick DL, Breitschwerdt EB. Persistent infection of pets within a household with three *Bartonella* species. *Emerg Infect Dis*. 1998 Apr-Jun;4(2):325-8.

Kordick DL, Brown TT, Shin K, Breitschwerdt EB. Clinical and pathologic evaluation of chronic *Bartonella henselae* or *Bartonella clarridgeiae* infection in cats. *J Clin Microbiol*. 1999 May;37(5):1536-47.

Kordick DL, Hilyard EJ, Hadfield TL, Wilson KH, Steigerwalt AG, Brenner DJ, Breitschwerdt EB. *Bartonella clarridgeiae*, a newly recognized zoonotic pathogen causing inoculation papules, fever, and lymphadenopathy (cat scratch disease). *J Clin Microbiol*. 1997 Jul;35(7):1813-8.

Kordick DL, Papich MG, Breitschwerdt EB. Efficacy of enrofloxacin or doxycycline for treatment of *Bartonella henselae* or *Bartonella clarridgeiae* infection in cats. *Antimicrob Agents Chemother*. 1997 Nov;41(11):2448-55.

Kordick DL, Swaminathan B, Greene CE, Wilson KH, Whitney AM, O'Connor S, Hollis DG, Matar GM, Steigerwalt AG, Malcolm GB, Hayes PS, Hadfield TL, Breitschwerdt EB, Brenner DJ. *Bartonella vinsonii* subsp. *berkhoffii* subsp. nov., isolated from dogs; *Bartonella vinsonii* subsp. *vinsonii*; and emended description of *Bartonella vinsonii*. *Int J Syst Bacteriol*. 1996 Jul;46(3):704-9.

Kordick DL, Wilson KH, Sexton DJ, Hadfield TL, Berkhoff HA, Breitschwerdt EB. Prolonged *Bartonella* bacteremia in cats associated with cat-scratch disease patients. *J Clin Microbiol*. 1995 Dec;33(12):3245-51.

Kordick SK, Breitschwerdt EB, Hegarty BC, Southwick KL, Colitz CM, Hancock SI, Bradley JM, Rumbough R, Mcpherson JT, MacCormack JN. Coinfection with multiple tick-borne pathogens in a Walker Hound kennel in North Carolina. *J Clin Microbiol*. 1999 Aug;37(8):2631-8.

Koren G. Antimalarial drugs for rheumatoid disease during pregnancy. *Can Fam Physician*. 1999 Dec;45:2869-70.

Korenberg EI. Problems in the study and prophylaxis of mixed infections transmitted by ixodid ticks. *Int J Med Microbiol*. 2004;293 Suppl 37:80-5.

Kornblatt AN, Steere AC, Brownstein DG. Infection in rabbits with the Lyme disease spirochete. *Yale J Biol Med*. 1984 Jul-Aug;57(4):613-6.

Kornblatt AN, Urband PH, Steere AC. Arthritis caused by *Borrelia burgdorferi* in dogs. *J Am Vet Med Assoc*. 1985 May 1;186(9):960-4.

Kornblatt AN, Steere AC, Brownstein DG. Experimental Lyme disease in rabbits: spirochetes found in erythema migrans and blood. Infect Immun. 1984 Oct;46(1):220-3.

Kornmehl EW, Lesser RL, Jaros P, Rocco E, Steere AC. Bilateral keratitis in Lyme disease. Ophthalmology. 1989 Aug;96(8):1194-7.

Korotkov IuS, Kislenko GS, Burenkova LA, Rudnikova NA, Karan' LS. [Spatial and temporal variability of *Ixodes ricinus* and *Ixodes persulcatus* infection with the Lyme disease agent in Moscow Region]. [Article in Russian]. Parazitologiya. 2008 Nov-Dec;42(6):441-51.

Koryzna K, Skomro P, Leśniewski S, Szych Z. [Oral cavity health condition of HIV carriers].[Article in Polish]. Ann Acad Med Stetin. 2008;54(3):77-80.

Kosoy M, Bai Y, Lynch T, Kuzmin IV, Niezgoda M, Franka R, Agwanda B, Breiman RF, Rupprecht CE. *Bartonella* spp. in bats, Kenya. Emerg Infect Dis. 2010 Dec;16(12):1875-81.

Kosoy M, Bai Y, Sheff K, Morway C, Baggett H, Maloney SA, Boonmar S, Bhengsri S, Dowell SF, Situdhirasdr A, Lerdthusnee K, Richardson J, Peruski LF. Identification of *Bartonella* infections in febrile human patients from Thailand and their potential animal reservoirs. Am J Trop Med Hyg. 2010 Jun;82(6):1140-5.

Kosoy M, Morway C, Sheff KW, Bai Y, Colborn J, Chalcraft L, Dowell SF, Peruski LF, Maloney SA, Baggett H, Sutthirattana S, Sidhirat A, Maruyama S, Kabeya H, Chomel BB, Kasten R, Popov V, Robinson J, Kruglov A, Petersen LR. *Bartonella tamiae* sp. nov., a newly recognized pathogen isolated from three human patients from Thailand. J Clin Microbiol. 2008 Feb;46(2):772-5. Epub 2007 Dec 12.

Köster LS, Van Schoor M, Goddard A, Thompson PN, Matjila PT, Kjelgaard-Hansen M. C-reactive protein in canine babesiosis caused by *Babesia rossi* and its association with outcome. J S Afr Vet Assoc. 2009 Jun;80(2):87-91.

Kostick JL, Szkotnicki LT, Rogers EA, Bocci P, Raffaelli N, Marconi RT. The diguanylate cyclase, Rrp1, regulates critical steps in the enzootic cycle of the Lyme disease spirochetes. *Mol Microbiol*. 2011 Jul;81(1):219-31. Epub 2011 Jun 5.

Kotilainen P, Heiro M, Jalava J, Rantakokko V, Nikoskelainen J, Nikkari S, Rantakokko-Jalava K. Aetiological diagnosis of infective endocarditis by direct amplification of rRNA genes from surgically removed valve tissue. An 11-year experience in a Finnish teaching hospital. *Ann Med*. 2006;38(4):263-73.

Kotsyfakis M, Horka H, Salat J, Andersen JF. The crystal structures of two salivary cystatins from the tick *Ixodes scapularis* and the effect of these inhibitors on the establishment of *Borrelia burgdorferi* infection in a murine model. *Mol Microbiol*. 2010 July; 77(2): 456-470. Published online 2010 June 1.

Krakowetz CN, Lindsay LR, Chilton NB. Genetic diversity in *Ixodes scapularis* (Acarı: Ixodidae) from six established populations in Canada. *Ticks Tick Borne Dis*. 2011 Sep;2(3):143-50. Epub 2011 Jul 28.

Krause PJ, Gewurz BE, Hill D, Marty FM, Vannier E, Foppa IM, Furman RR, Neuhaus E, Skowron G, Gupta S, McCalla C, Pesanti EL, Young M, Heiman D, Hsue G, Gelfand JA, Wormser GP, Dickason J, Bia FJ, Hartman B, Telford SR 3rd, Christianson D, Dardick K, Coleman M, Girotto JE, Spielman A. Persistent and relapsing babesiosis in immunocompromised patients. *Clin Infect Dis*. 2008 Feb 1;46(3):370-6.

Krause PJ, Grant-Kels JM, Tahan SR, Dardick KR, Alarcon-Chaidez F, Bouchard K, Visini C, Deriso C, Foppa IM, Wikel S. Dermatologic Changes Induced by Repeated *Ixodes scapularis* Bites and Implications for Prevention of Tick-Borne Infection. *Vector Borne Zoonotic Dis*. 2009 December; 9(6): 603–610.

Krause, PJ. Spielman, A, Telford, SR et al. Persistent parasitemia after acute Babesiosis. *N. Engl. J. Med.* 1998; 339:160.

Krause, PJ, Telford, SR, Spielman, A, Sikand V, Ryan R, Christianson D, Burke G, Brassard P, Pollack R, Peck J, Persing DH. Concurrent Lyme disease and Babesiosis. *JAMA*. 1996;275 (21):1657.

Krause PJ, Lepore T, Sikand VK, Gadbaw J Jr, Burke G, Telford SR III, Brassard P, Pearl D, Azlanzadeh J, Christianson D, McGrath D, Spielman A. Atovaquone and azithromycin for the treatment of babesiosis. *New England Journal of Medicine*. 2000;343:1454-8.

Krause PJ. Babesiosis. *Medical Clinics of North America*. March 2002;Vol. 86. [cited 2006 Aug]. Available from: <http://home.mdconsult.com>.

Krause R, Piswanger-Soelkner C, Lipp RW, Daxböck F, Schnedl WJ, Hoier S, Reisinger EC. Somatostatin receptor scintigraphy in patients with cat-scratch disease. *Nuklearmedizin*. 2006;45(4):160-2. Erratum in: *Nuklearmedizin*. 2006;45(5):234.

Kreisel D, Pasque MK, Damiano RJ Jr, Medoff G, Kates A, Kreisel FH, Lawton JS. Bartonella species-induced prosthetic valve endocarditis associated with rapid progression of valvular stenosis. *J Thorac Cardiovasc Surg*. 2005 Aug;130(2):567-8.

Kreuziger LM, Tafur AJ, Thompson RL. 79-Year-Old Man With Fever, Malaise, and Jaundice. *Mayo Clin Proc*. 2009 March; 84(3): 281–284.

Krimer PM, Miller AD, Li Q, Grosenbaugh DA, Susta L, Schatzberg SJ. Molecular and pathological investigations of the central nervous system in *Borrelia burgdorferi*-infected dogs. *J Vet Diagn Invest*. 2011 Jul;23(4):757-63. Epub 2011 Jun 13.

Krishnamurthy KB, Liu GT, Logigian EL. Acute Lyme neuropathy presenting with polyradicular pain, abdominal protrusion, and cranial neuropathy. *Muscle Nerve*, 16(11):1261-4. 1993.

Krist D, Wenkel H. Posterior scleritis associated with *Borrelia burgdorferi* (Lyme disease) infection. *Ophthalmology*, 109(1):143-5. 2002.

Krüger H, Reuss K, Pulz M, et al. Meningoradiculitis and encephalo-myelitis due to *Borrelia burgdorferi*: A follow-up study of 72 patients over 27 years. *J Neurol*, 236:322-328. 1989.

Krungkrai SR, Yuthavong. The antimalarial action of *Plasmodium falciparum* of qinghaosu and artesunate in combination with agents which modulate oxidant stress. *Trans. R Soc. Trop. Med Hyg*. 1987;81:710-4.

Krupka M, Zachova K, Weigl E, Raska M. Prevention of lyme disease: promising research or sisyphean task? *Arch Immunol Ther Exp (Warsz)*. 2011 Aug;59(4):261-75. Epub 2011 Jun 3.

Krapp LB, Masur D, Schwartz J, Coyle PK, Langenbach LJ, Fernquist SK, Jandorf L, Halperin JJ. Cognitive functioning in late Lyme borreliosis. *Arch Neurol*, 48(11):1125-9. 1991.

Krapp LB, Hyman LG, Grimson R, Coyle PK, Melville P, Ahnn S, Dattwyler R, Chandler B. Study and treatment of post Lyme disease. A randomized double masked clinical trial. *Neurology*. June 4, 2003. 60(12):1923-30.

Kubo N, Arashima Y, Kawabata M, Kawano K, Nakao M, Miyamoto K. [Study of the anti *Borrelia burgdorferi* antibody of hunters in Hokkaido].[Article in Japanese]. *Kansenshogaku Zasshi*. 1992 Jan;66(1):45-50.

Kubo N, Arashima Y, Yoshida M, Kawabata M, Nishinarita S, Hayama T, Sawada S, Horie T, Nakao M, Miyamoto K, et al. Questionnaire surveys of cases of tick bite and Lyme borreliosis in hunters in Hokkaido with reference to detection of anti-*Borrelia burgdorferi* antibody. *Intern Med*. 1992 Oct;31(10):1163-8.

Kubo N, Iimori H, Kanemaru M, Shinodo T, Okubo S, Nakao M, Miyamoto K, Arashima Y, Kawabata M, Kawano K. [Prevalence of *Borrelia* on tick collected in Yamanashi Prefecture].[Article in Japanese]. *Kansenshogaku Zasshi*. 1994 Jan;68(1):168-9.

Kufko IT, Mel'nikov VG, Andreeva EA, Sokolova ZI, Lesniak OM, Beikin IaB. Comparative study of results of serological diagnosis of Lyme borreliosis by indirect immunofluorescence and immunoenzyme analysis. 1999. *Klin Lab Diagn*, 3:34-7.

Kugeler KJ, Griffith KS, Gould LH, Kochanek K, Delorey MJ, Biggerstaff BJ, Mead PS. A review of death certificates listing Lyme disease as a cause of death in the United States. *Clin Infect Dis*. 2011 Feb 1;52(3):364-7. Epub 2010 Dec 28.

Kujala GA, Steere AC, Davis JS 4th. IgM rheumatoid factor in Lyme disease: correlation with disease activity, total serum IgM, and IgM antibody to *Borrelia burgdorferi*. *J Rheumatol*. 1987 Aug;14(4):772-6.

Kułakowska A, Zajkowska JM, Ciccarelli NJ, Mroczko B, Drozdowski W, Bucki R. Depletion of plasma gelsolin in patients with tick-borne encephalitis and Lyme neuroborreliosis. *Neurodegener Dis*. 2011;8(5):375-80. Epub 2011 Mar 10.

Kumar M, Kaur S, Kariu T, Yang X, Bossis I, Anderson JF, Pal U. *Borrelia burgdorferi* BBA52 is a potential target for transmission blocking Lyme disease vaccine. *Vaccine*. 2011 Sep 21. [Epub ahead of print]

Kumar S, Kumar R, Sugimoto C. A perspective on *Theileria equi* infections in donkeys. *Jpn J Vet Res*. 2009 Feb;56(4):171-80. Review.

Kumar T, Epstein M, Markovskaya Y, Narasimhan M, Rosen M, Talwar A. Bronchoscopy and endobronchial disease in patients with human immunodeficiency virus infection. *Indian J Chest Dis Allied Sci*. 2011 Apr-Jun;53(2):99-105. Review.

Kumru OS, Schulze RJ, Rodnин MV, Ladokhin AS, Zückert WR. Surface localization determinants of *Borrelia* OspC/Vsp family lipoproteins. *J Bacteriol*. 2011 Jun;193(11):2814-25. Epub 2011 Mar 25.

Kuntzer T, Bogousslavsky J, Miklossy J, Steck AJ, Janzer R, Regli F. *Borrelia rhombencephalomyelopathy*. Arch Neurol. 1991 Aug;48(8):832-6.

Kunz S, Oberle K, Sander A, Bogdan C, Schleicher U. Lymphadenopathy in a novel mouse model of *Bartonella*-induced cat scratch disease results from lymphocyte immigration and proliferation and is regulated by interferon-alpha/beta. Am J Pathol. 2008 Apr;172(4):1005-18. Epub 2008 Feb 21.

Kuo J, Nardelli DT, Warner TF, Callister SM, Schell RF. Interleukin-35 enhances Lyme arthritis in *Borrelia*-vaccinated and -infected mice. Clin Vaccine Immunol. 2011 Jul;18(7):1125-32. Epub 2011 May 25.

Kurtti TJ, Munderloh UG, Johnson RC, Ahlstrand GG. Colony formation and morphology in *Borrelia burgdorferi*. Journal of Clinical Microbiology, 25:2054-2058. 1987.

Kusuhara K, Nakao F, Saito M, Nakamura K, Ieiri S, Taguchi T, Hara T. Pyogenic splenic abscess in an infant with serological evidence of cat scratch disease. Eur J Pediatr. 2007 Dec;166(12):1289-91. Epub 2006 Dec 22.

Kuwayama DP, Briones RJ. Spontaneous splenic rupture caused by *Babesia microti* infection. Clin Infect Dis. 2008 May 1;46(9):e92-5.

Kvasnicka HM, Thiele J, Ahmadi T. Bone marrow manifestation of Lyme disease (Lyme borreliosis). British Journal of Haematology, 120(5):723. 2003.

Kyme PA, Haas A, Schaller M, Peschel A, Iredell J, Kempf VA. Unusual trafficking pattern of *Bartonella henselae* -containing vacuoles in macrophages and endothelial cells. Cell Microbiol. 2005 Jul;7(7):1019-34.

La VD, Clavel B, Lepetz S, Aboudharam G, Raoult D, Drancourt M. Molecular detection of *Bartonella henselae* DNA in the dental pulp of 800-year-old French cats. *Clin Infect Dis.* 2004 Nov;39(9):1391-4. Epub 2004 Oct 12.

La VD, Tran-Hung L, Aboudharam G, Raoult D, Drancourt M. *Bartonella quintana* in domestic cat. *Emerg Infect Dis.* 2005 Aug;11(8):1287-9.

La Scola B, Davoust B, Boni M, Raoult D. Lack of correlation between *Bartonella* DNA detection within fleas, serological results, and results of blood culture in a *Bartonella*-infected stray cat population. *Clin Microbiol Infect.* 2002 Jun;8(6):345-51.

La Scola B, Fournier PE, Brouqui P, Raoult D. Detection and culture of *Bartonella quintana*, *Serratia marcescens*, and *Acinetobacter* spp. from decontaminated human body lice. *J Clin Microbiol.* 2001 May;39(5):1707-9.

La Scola B, Holmberg M, Raoult D. Lack of *Bartonella* sp. in 167 *Ixodes ricinus* ticks collected in central Sweden. *Scand J Infect Dis.* 2004;36(4):305-6.

La Scola B, Liang Z, Zeaiter Z, Houpikian P, Grimont PA, Raoult D. Genotypic characteristics of two serotypes of *Bartonella henselae*. *J Clin Microbiol.* 2002 Jun;40(6):2002-8.

La Scola B, Raoult D. Culture of *Bartonella quintana* and *Bartonella henselae* from human samples: a 5-year experience (1993 to 1998). *J Clin Microbiol.* 1999 Jun;37(6):1899-905.

La Scola B, Raoult D. *Acinetobacter baumannii* in human body louse. *Emerg Infect Dis.* 2004 Sep;10(9):1671-3.

La Scola B, Zeaiter Z, Khamis A, Raoult D. Gene-sequence-based criteria for species definition in bacteriology: the *Bartonella* paradigm. *Trends Microbiol.* 2003 Jul;11(7):318-21. Review.

Lacy, LL Armstrong, MP Goldman, LL Lance. Drug Information Handbook. 14th edition. Hudson, Ohio: Lexi-Comp; 2006. p. 175-176, 795-796, 1315-1316, 1366-1367.

Ladbury GAF, Stuen S, Thomas R, Bown KJ, Woldehiwet Z, Granquist EG, Bergström K, Birtles RJ. Dynamic Transmission of Numerous *Anaplasma phagocytophilum* Genotypes among Lambs in an Infected Sheep Flock in an Area of Anaplasmosis Endemicity. *J Clin Microbiol*. 2008 May; 46(5): 1686–1691. Published online 2008 March 26.

Lader E. Lyme disease misdiagnosed as a temporomandibular joint disorder. *J Prosthet Dent*, 63(1):82-5. 1990.

LaFrance ME, Pierce JV, Antonara S, Coburn J. The *Borrelia burgdorferi* integrin ligand P66 affects gene expression by human cells in culture. *Infect Immun*. 2011 Aug;79(8):3249-61. Epub 2011 May 16.

Laham FR, Kaplan SL. Hepatosplenic cat-scratch fever. *Lancet Infect Dis*. 2008 Feb;8(2):140.

Lai H, Singh, NP. Selective cancer cell cytotoxicity from exposure to dihydroartemisinin and holotransferrin. *Cancer Letters*. 1995;91:41-46.

Lai H, Singh NP. Oral artemisinin prevents and delays the development of 7,12-dimethylbenz[a]anthracene (DMBA)-induced breast cancer in the rat. *Cancer Lett*. 2006;231:43-8.

Lamas C, Curi A, Bóia M, Lemos E. Human bartonellosis: seroepidemiological and clinical features with an emphasis on data from Brazil - a review. *Mem Inst Oswaldo Cruz*. 2008 May;103(3):221-35. Review.

Lamas C, Favacho A, Ramos RG, Santos MS, Ferravoli GI, Weksler C, Rozental T, Bóia MN, Lemos ER. Bartonella native valve endocarditis: the first Brazilian case alive and well. *Braz J Infect Dis*. 2007 Dec;11(6):591-4.

Lamas CC, Mares-Guia MA, Rozental T, Moreira N, Favacho AR, Barreira J, Guterres A, Bóia MN, de Lemos ER. *Bartonella* spp. infection in HIV positive individuals, their pets and ectoparasites in Rio de Janeiro, Brazil: serological and molecular study. *Acta Trop.* 2010 Jul-Aug;115(1-2):137-41. Epub 2010 Mar 3.

Lamps LW, Scott MA. Cat-scratch disease: historic, clinical, and pathologic perspectives. *Am J Clin Pathol.* 2004;121 Suppl:S71-80.

Lane R, Baldwin D. Selective serotonin reuptake inhibitor-induced serotonin syndrome: review. *J Clin Psychopharmacol.* 1997;17(3):208-221.

Lane RS, Mun J, Peribáñez MA, Fedorova N. Differences in prevalence of *Borrelia burgdorferi* and *Anaplasma* spp. infection among host-seeking *Dermacentor occidentalis*, *Ixodes pacificus*, and *Ornithodoros coriaceus* ticks in northwestern California. *Ticks Tick Borne Dis.* 2010 Dec;1(4):159-67.

Lane RS, Moss RB, Hsu YP, Wei T, Mesirow ML, Kuo MM. Anti-arthropod saliva antibodies among residents of a community at high risk for Lyme disease in California. *Am J Trop Med Hyg.* 1999;61:850-9.

Lange D, Oeder C, Waltermann K, Mueller A, Oehme A, Rohrberg R, Marsch W, Fischer M. Bacillary angiomatosis. *J Dtsch Dermatol Ges.* 2009 Sep;7(9):767-69.

Lantos PM. Chronic Lyme disease: the controversies and the science. *Expert Rev Anti Infect Ther.* 2011 Jul;9(7):787-97.

Lappin MR, Breitschwerdt E, Brewer M, Hawley J, Hegarty B, Radecki S. Prevalence of *Bartonella* species antibodies and *Bartonella* species DNA in the blood of cats with and without fever. *J Feline Med Surg.* 2009 Feb;11(2):141-8. Epub 2008 Aug 29.

Lappin MR, Kordick DL, Breitschwerdt EB. Bartonella spp antibodies and DNA in aqueous humour of cats. J Feline Med Surg. 2000 Mar;2(1):61-8.

LaRocca TJ, Holthausen DJ, Hsieh C, Renken C, Mannella CA, Benach JL. The bactericidal effect of a complement-independent antibody is osmolytic and specific to Borrelia. Proc Natl Acad Sci U S A. 2009 June 30; 106(26): 10752–10757. Published online 2009 June 19.

Lastres JB. [Encephalopathies in verruga peruana (Carrion's disease)]. [Article in Spanish]. An Fac Med Lima. 1956;39(1):73-104.

Lau AO. An overview of the Babesia, Plasmodium and Theileria genomes: a comparative perspective. Mol Biochem Parasitol. 2009 Mar;164(1):1-8. Epub 2008 Dec 6. Review.

Lauderdale V, Goldman JN. Serial ultrathin sectioning demonstrating the intracellularity of *T. pallidum*. British Journal of Venereal Diseases, 48:87. 1972.

Laudisoit A, Iverson J, Neerinckx S, Shako JC, Nsabimana JM, Kersh G, Kosoy M, Zeidner N. Human seroreactivity against Bartonella species in the Democratic Republic of Congo. Asian Pac J Trop Med. 2011 Apr;4(4):320-2. Epub 2011 May 29.

Laumbacher B, Fellerhoff B, Herzberger B, Wank R. Do dogs harbour risk factors for human breast cancer? Med Hypotheses. 2006;67(1):21-6. Epub 2006 Mar 3.

LaValle JA, Krinsky DL, Hawkin EB, Pelton R and A Ashbrook Willlis. Natural Therapeutics Pocket Guide 2000-2001. Hudson, OH;Lexi-Comp. 518,531.

Lavoie PE, Lattner BP, Duray PH, Barbour AG, Johnson HC. Culture positive seronegative transplacental Lyme borreliosis infant mortality. Arthritis Rheum, 30(4), 3(Suppl):S50. 1987.

Lawrence C, Lipton RB, Lowy FD, Coyle PK. Seronegative chronic relapsing neuroborreliosis. 1995. European Neurology, 35(2):113-7.

Lawrenz MB, Hardham JM, Owens RT, Nowakowski J, Steere AC, Wormser GP, Norris SJ. Human antibody responses to VlsE antigenic variation protein of *Borrelia burgdorferi*. J Clin Microbiol. 1999 Dec;37(12):3997-4004.

Lawson JP, Steere AC. Lyme arthritis: radiologic findings. Radiology. 1985 Jan;154(1):37-43.

Lazarus JJ, Kay MA, McCarter AL, Wooten RM. Viable *Borrelia burgdorferi* Enhances Interleukin-10 Production and Suppresses Activation of Murine Macrophages. Infect Immun. 2008 March; 76(3): 1153–1162. Published online 2007 December 17.

Lazri T, Duscher G, Edelhofer R, Bytyci B, Gjino P, Joachim A. [Arthropod-borne parasites of dogs, especially Leishmania, in the Kosovo and Albania].[Article in German]. Wien Klin Wochenschr. 2008;120(19-20 Suppl 4):54-8.

Le NH, Na-Bangchang K, Le TD, Thrinh KA, Karbwang J. Pharmacokinetics of a single oral dose of dihydroartemisinin in Vietnamese healthy volunteers. Southeast Asian J Trop Med Public Health. 1999 Mar;30(1):11-6.

Le Nouën C, Munir S, Losq S, Winter CC, McCarty T, Stephany DA, Holmes KL, Bukreyev A, Rabin RL, Collins PL, Buchholz UJ. Infection and maturation of monocyte-derived human dendritic cells by human respiratory syncytial virus, human metapneumovirus, and human parainfluenza virus type 3. Virology. 2009 March 1; 385(1): 169–182. Published online 2009 January 6.

Lee CH, Hong H, Shin J, Jung M, Shin I, Yoon J, Lee W. NMR studies on novel antitumor drug candidates, deoxoartemisinin and carboxypropyldeoxoartemisinin. Biochem Biophys Res Commun. 2000;274:359-69.

Lee J, Wormser GP. Pharmacodynamics of doxycycline for chemoprophylaxis of Lyme disease: preliminary findings and possible implications for other antimicrobials. *Int J Antimicrob Agents*. 2008 Mar;31(3):235-9. Epub 2008 Jan 15.

Lee J, Zhou HJ, Wu XH. Dihydroartemisinin downregulates vascular endothelial growth factor expression and induces apoptosis in chronic myeloid leukemia K562 cells. *Cancer Chemother Pharmacol*. 2006 Jan;57(2):213-220. [Epub 2005 Aug 2]

Leeflang P, Oomen JMV, Zwart D, Meuwissen JH. The prevalence of Babesia antibodies in Nigerians. *Int J Parasitol*. 1976;6(2):156-161.

Leeper T, Zhang S, Van Voorhis WC, Myler PJ, Varani G. Comparative analysis of glutaredoxin domains from bacterial opportunistic pathogens. *Acta Crystallogr Sect F Struct Biol Cryst Commun*. 2011 Sep 1;67(Pt 9):1141-7. Epub 2011 Aug 16.

Leggat PA. Trends in antimalarial prescriptions in Australia from 1998 to 2002. *J Travel Med*. 2005 Nov-Dec;12(6):338-42.

Leibovitz K, Pearce L, Brewer M, Lappin MR. Bartonella species antibodies and DNA in cerebral spinal fluid of cats with central nervous system disease. *J Feline Med Surg*. 2008 Aug;10(4):332-7. Epub 2008 Apr 8.

Leiby DA. Transfusion-transmitted Babesia spp.: bull's-eye on Babesia microti. *Clin Microbiol Rev*. 2011 Jan;24(1):14-28. Review.

Leishman WB. The Horace Dobell lecture on an experimental investigation of Spirochaeta duttoni, the parasite of tick fever. *Lancet*, 2:1237-1244. 1920.

Leishman WB. A note on the “granule clumps” found in *Ornithodoros moubata* and their relation to the spirochaetes of African relapsing fever (tick fever). *Annales de l'Institut Pasteur*, 32:49-59. 1918.

Lejko-Zupanc T, Slemenik-Pusnik C, Kozelj M, Klokokovnik T, Avsic-Zupanc T, Dolenc-Strazar Z, Benko D, Duh D, Rojko T. Native valve endocarditis due to *Bartonella henselae* in an immunocompetent man. Wien Klin Wochenschr. 2008;120(7-8):246-9.

Lemos ER, Mares-Guia MA, Almeida DN, Silva RG, Silva CM, Britto C, Lamas CC. [Traveler's fever associated with cervical adenomegaly and antibodies for *Bartonella* sp in a Brazilian patient returning from South Africa].[Article in Portuguese]. Rev Soc Bras Med Trop. 2010 Jul-Aug;43(4):472-3.

Lenčáková DH, Schulte-Spechtel U, Fingerle V, Pet'ko B, Wilske B. Detection of a large linear plasmid in *Borrelia spielmanii* isolate. Can J Microbiol. 2011 Apr;57(4):343-6.

Lengl-Janssen B, Strauss AF, Steere AC, Kamradt T. The T helper cell response in Lyme arthritis: differential recognition of *Borrelia burgdorferi* outer surface protein A in patients with treatment-resistant or treatment-responsive Lyme arthritis. J Exp Med. 1994 Dec 1;180(6):2069-78.

Lennhoff C. Spirochaetes in aetiologically obscure diseases. Acta Dermato-Venereologica, Vol 28 Fasc 3:295-324. 1948.

Lepidi H, Coulibaly B, Casalta JP, Raoult D. Autoimmunohistochemistry: a new method for the histologic diagnosis of infective endocarditis. J Infect Dis. 2006 Jun 15;193(12):1711-7. Epub 2006 May 12.

Lepidi H, Fournier PE, Raoult D. Quantitative analysis of valvular lesions during *Bartonella* endocarditis. Am J Clin Pathol. 2000 Dec;114(6):880-9.

Lesage AD, Stip E, Grunberg F. ["What's up, doc?" The context, limitations, and issues for clinicians in evidence-based medicine]. [Article in French]. Can J Psychiatry. 2001 Jun;46(5):396-402.

Levander OA, Ager AL, Morris VC. Qinghaosu, dietary vitamin E, selenium and cod liver oil: effect on susceptibility of mice to the malarial parasite Plasmodium yoelii. Am. J. Clin. Nutr. 1989;5:346-52.

Levin ML, des Vignes F, Fish D. Disparity in the natural cycles of *Borrelia burgdorferi* and the agent of Human Granulocytic Ehrlichiosis. Emerg Infect Dis. 1999;Vol 5(2):204-8.

Levine ND. Taxonomy of the piroplasms. Trans. Am. Microsc. Soc. 90:2-33.

Levy I, Rolain JM, Lepidi H, Raoult D, Feinmesser M, Lapidoth M, Ben-Amitai D. Is pyogenic granuloma associated with *Bartonella* infection? J Am Acad Dermatol. 2005 Dec;53(6):1065-6.

Levy JK, Crawford PC, Lappin MR, Dubovi EJ, Levy MG, Alleman R, Tucker SJ, Clifford EL. Infectious diseases of dogs and cats on Isabela Island, Galapagos. J Vet Intern Med. 2008 Jan-Feb;22(1):60-5.

Levy M, Buskila D, Gladman DD, Urowitz MB, Koren G. Pregnancy outcome following first trimester exposure to chloroquine. Am J Perinatol. 1991 May;8 (3):174-8.

Levy PY, Corey R, Berger P, Habib G, Bonnet JL, Levy S, Messana T, Djiane P, Frances Y, Botta C, DeMicco P, Dumon H, Mundler O, Chomel JJ, Raoult D. Etiologic diagnosis of 204 pericardial effusions. Medicine (Baltimore). 2003 Nov;82(6):385-91.

Levy PY, Fournier PE, Carta M, Raoult D. Pericardial effusion in a homeless man due to *Bartonella quintana*. J Clin Microbiol. 2003 Nov;41(11):5291-3.

Lewis DW, Tucker SH. Central nervous system involvement in cat scratch disease. Pediatrics. 1986 May;77(5):714-21.

Leyfer OT, Ruberg JL, Woodruff-Borden J. Examination of the utility of the Beck Anxiety Inventory and its factors as a screener for anxiety disorders. J Anxiety Disord. 2006;20(4):444-458.

Li CW, Yin J, Zhang XL. [Cat scratch disease: report of a case]. [Article in Chinese]. Zhonghua Er Ke Za Zhi. 2007 Aug;45(8):573.

Li DM, Liu QY, Zhao F, Hu Y, Xiao D, Gu YX, Song XP, Zhang JZ. Proteomic and bioinformatic analysis of outer membrane proteins of the protobacterium *Bartonella henselae* (Bartonellaceae). Genet Mol Res. 2011 Aug 26;10(3):1789-818.

Li DM, Meng FX, Song XP, Qin ZJ, Yang XR, Wu HX, Ren DS, Liu QY. [Study on *Bartonella vinsonii berkhoffii* isolated from blood of native dogs in China].[Article in Chinese]. Zhonghua Liu Xing Bing Xue Za Zhi. 2006 Apr;27(4):333-8.

Li DM, Yu DZ, Liu QY, Gong ZD. [Study on the prevalence of *Bartonella* species in rodent hosts from different environmental areas in Yunnan].[Article in Chinese]. Zhonghua Liu Xing Bing Xue Za Zhi. 2004 Nov;25(11):934-7.

Li QG, Brueckner RP, Peggins JO, Trotman KM, Brewer TG. Arteether toxicokinetics and pharmacokinetics in rats after 25 mg/kg/day single and multiple doses. Eur J Drug Metab Pharmacokinet. 1999 Jul-Sept;24(3):213-23.

Li QG, Mog SR, Si YZ, Kyle DE, Gettayacamin M, Milhous WK. Neurotoxicity and efficacy of arteether related to its exposure times and exposure levels in rodents. Am J Trop Med Hyg. 2002 May;66(5):516-25.

Li W, Chomel BB, Maruyama S, Guptil L, Sander A, Raoult D, Fournier PE. Multispacer typing to study the genotypic distribution of *Bartonella henselae* populations. J Clin Microbiol. 2006 Jul;44(7):2499-506.

Li W, Raoult D, Fournier PE. Genetic diversity of *Bartonella henselae* in human infection detected with multispacer typing. Emerg Infect Dis. 2007 Aug;13(8):1178-83.

Li X, McHugh GA, Damle N, Sikand VK, Glickstein L, Steere AC. Burden and viability of *Borrelia burgdorferi* in skin and joints of patients with erythema migrans or lyme arthritis. *Arthritis Rheum.* 2011 Aug;63(8):2238-47.

Liang FT, Steere AC, Marques AR, Johnson BJ, Miller JN, Philipp MT. Sensitive and specific serodiagnosis of Lyme disease by enzyme-linked immunosorbent assay with a peptide based on an immunodominant conserved region of *Borrelia burgdorferi* vlsE. *J Clin Microbiol.* 1999 Dec;37(12):3990-6.

Liang Z, La Scola B, Lepidi H, Raoult D. Production of *Bartonella* genus-specific monoclonal antibodies. *Clin Diagn Lab Immunol.* 2001 Jul;8(4):847-9.

Liang Z, Raoult D. Species-specific monoclonal antibodies for rapid identification of *Bartonella quintana*. *Clin Diagn Lab Immunol.* 2000 Jan;7(1):21-4.

Liang Z, Raoult D. Differentiation of *Bartonella* species by a microimmunofluorescence assay, sodium dodecyl sulfate-polyacrylamide gel electrophoresis, and Western immunoblotting. *Clin Diagn Lab Immunol.* 2000 Jul;7(4):617-24.

Liao HM, Huang FY, Chi H, Wang NL, Chen BF. Systemic cat scratch disease. *J Formos Med Assoc.* 2006 Aug;105(8):674-9.

Liao M, Hatta T, Umemiya R, Huang P, Jia H, Gong H, Zhou J, Nishikawa Y, Xuan X, Fujisaki K. Identification of three protein disulfide isomerase members from *Haemaphysalis longicornis* tick. *Insect Biochem Mol Biol.* 2007 Jul;37(7):641-54. Epub 2007 Apr 5.

Liberto MC, Matera G, Lamberti AG, Barreca GS, Quirino A, Focà A. In vitro *Bartonella quintana* infection modulates the programmed cell death and inflammatory reaction of endothelial cells. *Diagn Microbiol Infect Dis.* 2003 Feb;45(2):107-15.

Lienhardt B, Irani S, Gaspert A, Weishaupt D, Boehler A. Disseminated infection with *Bartonella henselae* in a lung transplant recipient. *J Heart Lung Transplant*. 2009 Jul;28(7):736-9.

Liesenfeld O, Parvanova I, Zerrahn J, Han SJ, Heinrich F, Muñoz M, Kaiser F, Aebsicher T, Buch T, Waisman A, Reichmann G, Utermöhlen O, von Stebut E, von Loewenich FD, Bogdan C, Specht S, Saeftel M, Hoerauf A, Mota MM, Könen-Waisman S, Kaufmann SH, Howard JC. The IFN-Inducible GTPase, Irga6, Protects Mice against *Toxoplasma gondii* but Not against *Plasmodium berghei* and Some Other Intracellular Pathogens. *PLoS One*. 2011; 6(6): e20568. Published online 2011 June 17.

Lightfoot RW Jr, Luft BJ, Rahn DW, Steere AC, Sigal LH, Zoschke DC, Gardner P, Britton MC, Kaufman RL. Empiric parenteral antibiotic treatment of patients with fibromyalgia and fatigue and a positive serologic result for Lyme disease. A cost-effectiveness analysis. *Ann Intern Med*. 1993 Sep 15;119(6):503-9.

Lin AJ, Ager AL Jr, Klayman DL. Antimalarial activity of dihydroartemisinin derivatives by transdermal application. *Am J Trop Med Hyg*. 1994 Jun;50(6):777-83.

Lin B, Kidder JM, Noring R, Steere AC, Klempner MS, Hu LT. Differences in synovial fluid levels of matrix metalloproteinases suggest separate mechanisms of pathogenesis in Lyme arthritis before and after antibiotic treatment. *J Infect Dis*. 2001 Jul 15;184(2):174-80. Epub 2001 Jun 25.

Lin B, Noring R, Steere AC, Klempner MS, Hu LT. Soluble CD14 levels in the serum, synovial fluid, and cerebrospinal fluid of patients with various stages of Lyme disease. *J Infect Dis*. 2000 Mar;181(3):1185-8.

Lin EY, Tsigrelis C, Baddour LM, Lepidi H, Rolain JM, Patel R, Raoult D. *Candidatus Bartonella mayotimonensis* and endocarditis. *Emerg Infect Dis*. 2010 Mar;16(3):500-3.

Lin JW, Chen CY, Chen WC, Chomel BB, Chang CC. Isolation of *Bartonella* species from rodents in Taiwan including a strain closely related to 'Bartonella rochalimae' from *Rattus norvegicus*. *J Med Microbiol.* 2008 Dec;57(Pt 12):1496-501.

Lindroos H, Vinnere O, Mira A, Repsilber D, Näslund K, Andersson SG. Genome rearrangements, deletions, and amplifications in the natural population of *Bartonella henselae*. *J Bacteriol.* 2006 Nov;188(21):7426-39. Epub 2006 Aug 25.

Lininger SW, Gaby AR, Austin S, Brown DR, Wright JV, Duncan A. *The Natural Pharmacy*. 2nd edition. Rocklin CA; Prima Publishing, 1999;p.470-471.

Lindsey J, Patel S. PCR for bacterial 16S ribosomal DNA in multiple sclerosis cerebrospinal fluid. *Mult Scler.* 2008 Mar;14(2):147-52. Epub 2007 Nov 6. Review.

Lipińska-Ojrzanowska A, Wittczak T, Krzyczmanik D, Pałczyński C, Walusiak-Skorupa J. [Invasion by trichinae in the patient hospitalized with suspicion of occupational borreliosis: a case report].[Article in Polish]. *Med Pr.* 2011;62(1):73-6.

Litwin CM, Rawlins ML, Swenson EM. Characterization of an immunogenic outer membrane autotransporter protein, Arp, of *Bartonella henselae*. *Infect Immun.* 2007 Nov;75(11):5255-63. Epub 2007 Sep 4.

Livey I, O'Rourke M, Traweger A, Savidis-Dacho H, Crowe BA, Barrett PN, Yang X, Dunn JJ, Luft BJ. A new approach to a Lyme disease vaccine. *Clin Infect Dis.* 2011 Feb;52 Suppl 3:s266-70.

Listgarten MA, Loesche WJ, Socransky SS. Morphology of *Treponema microdentium* as revealed by electron microscopy of ultrathin sections. *Journal of Bacteriology*, 85:932-939. 1963.

Liu AN. Lyme disease in China and its ocular manifestations. 1993. Chung Hua Yen Ko Tsa Chih, 5:271-3.

Liu Q, Sun J, Lu L, Fu G, Ding G, Song X, Meng F, Wu H, Yang T, Ren Z, Chen E, Lin J, Lv H, Chai C. Detection of bartonella species in small mammals from Zhejiang Province, China. *J Wildl Dis.* 2010 Jan;46(1):179-85.

Liu Y, Wong VK, Ko BC, Wong MK, Che CM. Synthesis and cytotoxicity studies of artemisinin derivatives containing lipophilic alkyl carbon chains. *Org Lett.* 2005;7:1561-4.

Liveris D, Schwartz I, McKenna D, Nowakowski J, Nadelman RB, Demarco J, Iyer R, Cox ME, Holmgren D, Wormser GP. Quantitation of cell-associated borrelial DNA in the blood of Lyme disease patients with erythema migrans. *Eur J Clin Microbiol Infect Dis.* 2011 Aug 16. [Epub ahead of print]

Liveris D, Schwartz I, Bittker S, Cooper D, Iyer R, Cox ME, Wormser GP. Improving the yield of blood cultures from patients with early Lyme disease. *J Clin Microbiol.* 2011 Jun;49(6):2166-8. Epub 2011 Apr 13.

Liveris D, Varde S, Iyer R, Koenig S, Bittker S, Cooper D, McKenna D, Nowakowski J, Nadelman RB, Wormser GP, Schwartz I. Genetic diversity of *Borrelia burgdorferi* in lyme disease patients as determined by culture versus direct PCR with clinical specimens. *J Clin Microbiol.* 1999 Mar;37(3):565-9.

Liveris D, Wang G, Girao G, Byrne DW, Nowakowski J, McKenna D, Nadelman R, Wormser GP, Schwartz I. Quantitative detection of *Borrelia burgdorferi* in 2-millimeter skin samples of erythema migrans lesions: correlation of results with clinical and laboratory findings. *J Clin Microbiol.* 2002 Apr;40(4):1249-53.

Liveris D, Wormser GP, Nowakowski J, Nadelman R, Bittker S, Cooper D, Varde S, Moy FH, Forseter G, Pavia CS, Schwartz I. Molecular typing of *Borrelia burgdorferi* from Lyme disease patients by PCR-restriction fragment length polymorphism analysis. *J Clin Microbiol.* 1996 May;34(5):1306-9.

Ljøstad U, Skarpaas T, Mygland A. Clinical usefulness of intrathecal antibody testing in acute Lyme neuroborreliosis. *Eur J Neurol.* 2007 Aug;14(8):873-6.

Ljøstad U, Skogvoll E, Eikeland R, Midgard R, Skarpaas T, Berg A, Mygland A. Oral doxycycline versus intravenous ceftriaxone for European Lyme neuroborreliosis: a multicentre, non-inferiority, double-blind, randomised trial. *Lancet Neurol.* 2008 Aug;7(8):690-5. Epub 2008 Jun 21. Erratum in: *Lancet Neurol.* 2008 Aug;7(8):675.

Lledó L, Giménez-Pardo C, Domínguez-Peñafl G, Sousa R, Gegúndez MI, Casado N, Criado A. Molecular detection of hemoprotozoa and Rickettsia species in arthropods collected from wild animals in the Burgos Province, Spain. *Vector Borne Zoonotic Dis.* 2010 Oct;10(8):735-8. Epub 2010 Jan 7.

Lo R, Menzies DJ, Archer H, Cohen TJ. Complete heart block due to Lyme carditis. *Journal of Invasive Cardiology,* 15(6):367-9. 2003.

Loa CC, Mordechai E, Tilton RC, Adelson ME. Production of recombinant *Bartonella henselae* 17-kDa protein for antibody-capture enzyme-linked immunosorbent assay. *Diagn Microbiol Infect Dis.* 2006 May;55(1):1-7. Epub 2006 Feb 20.

Lobato E, Pearce-Duvet J, Staszewski V, Gómez-Díaz E, González-Solís J, Kitaysky A, McCoy KD, Boulinier T. Seabirds and the Circulation of Lyme Borreliosis Bacteria in the North Pacific. *Vector Borne Zoonotic Dis.* 2011 Sep 15. [Epub ahead of print]

Loeckx I, Tuerlinckx D, Jespers S, Marchant AS, Bodart E. [A clinical case of spontaneous involution of systemic cat scratch disease].[Article in French]. *Rev Med Liege.* 2010 Feb;65(2):78-80.

Loftis AD, Reeves WK, Szumlas DE, Abbassy MM, Helmy IM, Moriarity JR, Dasch GA. Surveillance of Egyptian fleas for agents of public health significance: *Anaplasma*, *Bartonella*, *Coxiella*, *Ehrlichia*, *Rickettsia*, and *Yersinia pestis*. *Am J Trop Med Hyg.* 2006 Jul;75(1):41-8.

Logian EL, Kaplan RF, Steere AC. Successful treatment of Lyme encephalopathy with intravenous ceftriaxone. *J Infect Dis.* 1999 Aug;180(2):377-83.

Logian EL, Steere AC. Clinical and electrophysiologic findings in chronic neuropathy of Lyme disease. *Neurology.* 1992 Feb;42(2):303-11.

Logian EL, Johnson KA, Kijewski MF, Kaplan RF, Becker JA, Jones KJ, Garada BM, Holman BL, Steere AC. Reversible cerebral hypoperfusion in Lyme encephalopathy. *Neurology.* 1997 Dec;49(6):1661-70.

Logian EL, Kaplan RF, Steere AC. Chronic neurologic manifestations of Lyme disease. *N Engl J Med.* 1990 Nov 22;323(21):1438-44.

Londoño D, Cadavid D. Bacterial Lipoproteins Can Disseminate from the Periphery to Inflame the Brain. *Am J Pathol.* 2010 June; 176(6): 2848–2857.

Long SR, Whitfeld MJ, Eades C, Koehler JE, Korn AP, Zaloudek CJ. Bacillary angiomatosis of the cervix and vulva in a patient with AIDS. *Obstet Gynecol.* 1996 Oct;88(4 Pt 2):709-11.

Looaresuwan S, Wilairatana P, Vanijanonta S, et al. Treatment of acute, uncomplicated, falciparum malaria with oral dihydroartemisinin. *Ann Trop Med Parasitol.* 1996;90:21-28.

Looringh van Beeck FA, Reinink P, Hermsen R, Zajonc DM, Laven MJ, Fun A, Troskie M, Schoemaker NJ, Morar D, Lenstra JA, Vervelde L, Rutten VP, van Eden W, Van Rhijn I. Functional CD1d and/or NKT cell invariant chain transcript in horse, pig, African elephant and guinea pig, but not in ruminants. *Mol Immunol.* 2009 April; 46(7): 1424–1431.

Lopez-Andreu JA, Ferris J, Canosa CA, Sala-Lizarraga JA. Treatment of late Lyme disease: a challenge to accept. 1994. *Journal of Clinical Microbiology*, 32:1415-16.

Loss J, Nagel E. [Does evidence-based surgery harm autonomy in clinical decision making?]. [Article in German]. *Zentralbl Chir*. 2005 Feb;130(1):1-6.

Loughlin M. Reason, reality and objectivity--shared dogmas and distortions in the way both 'scientific' and 'postmodern' commentators frame the EBM debate. *J Eval Clin Pract*. 2008 Oct;14(5):665-71.

Lovrich SD, Jobe DA, Kowalski TJ, Policepatil SM, Callister SM. Expansion of the Midwestern Focus for Human Granulocytic Anaplasmosis into the Region Surrounding La Crosse, Wisconsin. *J Clin Microbiol*. 2011 Sep 14. [Epub ahead of print]

Luce-Fedrow A, Von Ohlen T, Chapes SK. *Ehrlichia chaffeensis* Infections in *Drosophila melanogaster*. *Infect Immun*. 2009 November; 77(11): 4815–4826. Published online 2009 August 17.

Luft BJ, Dattwyler RJ. Invasion of the central nervous system by *Borrelia burgdorferi* in acute disseminated infection. *JAMA*, 267:1364-67. 1992.

Luft BJ, Dattwyler RJ, Johnson RC, Luger SW, Bosler EM, Rahn DW, et al. Azithromycin compared with amoxicillin in the treatment of erythema migrans. A double-blind, randomized, controlled trial. 1996. *Annals of Internal Medicine*, 124(9):785-91.

Luger SW, Paparone P, Wormser GP, Nadelman RB, Grunwaldt E, Gomez G, Wisniewski M, Collins JJ. Comparison of cefuroxime axetil and doxycycline in treatment of patients with early Lyme disease associated with erythema migrans. *Antimicrob Agents Chemother*. 1995 Mar;39(3):661-7.

Luo Y, Jia H, Terkawi MA, Goo YK, Kawano S, Ooka H, Li Y, Yu L, Cao S, Yamagishi J, Fujisaki K, Nishikawa Y, Saito-Ito A, Igarashi I, Xuan X. Identification and characterization of a novel secreted antigen 1 of Babesia microti and evaluation of its potential use in enzyme-linked immunosorbent assay and immunochromatographic test. Parasitol Int. 2011 Jun;60(2):119-25. Epub 2010 Nov 8.

Luria BJ, Levy JK, Lappin MR, Breitschwerdt EB, Legendre AM, Hernandez JA, Gorman SP, Lee IT. Prevalence of infectious diseases in feral cats in Northern Florida. J Feline Med Surg. 2004 Oct;6(5):287-96.

Lydy SL, Eremeeva ME, Asnis D, Paddock CD, Nicholson WL, Silverman DJ, Dasch GA. Isolation and characterization of Bartonella bacilliformis from an expatriate Ecuadorian. J Clin Microbiol. 2008 Feb;46(2):627-37. Epub 2007 Dec 19.

Lynch T, Iverson J, Kosoy M. Combining culture techniques for Bartonella: the best of both worlds. J Clin Microbiol. 2011 Apr;49(4):1363-8. Epub 2011 Feb 2.

Lyon LW. Neurologic manifestations of cat-scratch disease. Report of a case and review of the literature. Arch Neurol. 1971 Jul;25(1):23-7.

Ma Y, A Sturrock A, Weis JJ. Intracellular localization of *Borrelia burgdorferi* within human endothelial cells. Infect Immun. 1991 February; 59(2): 671–678.

Maamun JM, Suleiman MA, Akinyi M, Ozwara H, Kariuki T, Carlsson HE. Prevalence of Babesia microti in free-ranging baboons and African green monkeys. J Parasitol. 2011 Feb;97(1):63-7. Epub 2010 Sep 28.

Macauda MM, Erickson P, Miller J, Mann P, Closter L, Krause PJ. Long-term Lyme disease antibiotic therapy beliefs among New England residents. Vector Borne Zoonotic Dis. 2011 Jul;11(7):857-62. Epub 2011 Mar 21.

MacDonald A. Borrelia in the brains of patients dying with dementia. Journal of the American Medical Association, 256(16):2195-6. 1986.

MacDonald A. Human fetal borreliosis, toxemia of pregnancy, and fetal death. Zbl. Bakt. Hyg. A, 263:189-200. 1986.

MacDonald AB. Concurrent neocortical borreliosis and Alzheimer's disease: Demonstration of a spirochetal cyst form. Annals NY Academy of Sciences, 539:468-470. 1988.

MacDonald AB. Gestational Lyme borreliosis: implications for the fetus. Rheumatic Diseases Clinics of North America, 15(4):657-677. 1989.

MacDonald AB, Berger BW, Schwan TG. Clinical implications of delayed growth of the Lyme borreliosis spirochete, *Borrelia burgdorferi*. 1990. Acta Trop, Dec;48(2):89-94.

MacDonald KA, Chomel BB, Kittleson MD, Kasten RW, Thomas WP, Pesavento P. A prospective study of canine infective endocarditis in northern California (1999-2001): emergence of *Bartonella* as a prevalent etiologic agent. J Vet Intern Med. 2004 Jan-Feb;18(1):56-64.

MacKichan JK, Gerns HL, Chen YT, Zhang P, Koehler JE. A SacB mutagenesis strategy reveals that the *Bartonella quintana* variably expressed outer membrane proteins are required for bloodstream infection of the host. Infect Immun. 2008 Feb;76(2):788-95. Epub 2007 Dec 10.

Mackworth-Young CG, Harris EN, Steere AC, Rizvi F, Malawista SE, Hughes GR, Gharavi AE. Anticardiolipin antibodies in Lyme disease. Arthritis Rheum. 1988 Aug;31(8):1052-6.

Madagi S, Patil VM, Sadegh S, Singh AK, Garwal B, Banerjee A, Talambedu U, Bhattacharjee B. Identification of membrane associated drug targets in *Borrelia burgdorferi* ZS7- subtractive genomics approach. Bioinformation. 2011;6(9):356-9. Epub 2011 Jul 19.

Magalhães RF, Cintra ML, Barjas-Castro ML, Del Negro GM, Okay TS, Velho PE. Blood donor infected with *Bartonella henselae*. *Transfus Med.* 2010 Aug 1;20(4):280-2. Epub 2010 Mar 24.

Magalhães RF, Pitassi LH, Salvadego M, de Moraes AM, Barjas-Castro ML, Velho PE. *Bartonella henselae* survives after the storage period of red blood cell units: is it transmissible by transfusion? *Transfus Med.* 2008 Oct;18(5):287-91.

Magalhães RF, Urso Pitassi LH, Lania BG, Barjas-Castro ML, Neves Ferreira Velho PE. Bartonellosis as cause of death after red blood cell unit transfusion. *Ultrastruct Pathol.* 2009 Jul-Aug;33(4):151-4.

Magand F, Frésard A, Manoli P, Cazorla C, Lucht F. [Stellar neuroretinitis and *Bartonella henselae* infection. A case report without exposure to cats].[Article in French]. *Med Mal Infect.* 2008 May;38(5):275-7. Epub 2008 Jan 9.

Maggi RG, Breitschwerdt EB. Isolation of bacteriophages from *Bartonella vinsonii* subsp. *berkhoffii* and the characterization of Pap31 gene sequences from bacterial and phage DNA. *J Mol Microbiol Biotechnol.* 2005;9(1):44-51.

Maggi RG, Breitschwerdt EB. Potential limitations of the 16S-23S rRNA intergenic region for molecular detection of *Bartonella* species. *J Clin Microbiol.* 2005 Mar;43(3):1171-6.

Maggi RG, Chomel B, Hegarty BC, Henn J, Breitschwerdt EB. A *Bartonella vinsonii berkhoffii* typing scheme based upon 16S-23S ITS and Pap31 sequences from dog, coyote, gray fox, and human isolates. *Mol Cell Probes.* 2006 Apr;20(2):128-34. Epub 2006 Feb 7.

Maggi RG, Duncan AW, Breitschwerdt EB. Novel chemically modified liquid medium that will support the growth of seven *bartonella* species. *J Clin Microbiol.* 2005 Jun;43(6):2651-5.

Maggi RG, Harms CA, Hohn AA, Pabst DA, McLellan WA, Walton WJ, Rotstein DS, Breitschwerdt EB. *Bartonella henselae* in porpoise blood. *Emerg Infect Dis.* 2005 Dec;11(12):1894-8.

Maggi RG, Kosoy M, Mintzer M, Breitschwerdt EB. Isolation of *Candidatus Bartonella melophagi* from human blood. *Emerg Infect Dis.* 2009 Jan;15(1):66-8.

Maggi RG, Mascarelli PE, Pultorak EL, Hegarty BC, Bradley JM, Mozayeni BR, Breitschwerdt EB. *Bartonella* spp. bacteremia in high-risk immunocompetent patients. *Diagn Microbiol Infect Dis.* 2011 Oct 11. [Epub ahead of print]

Maggi RG, Raverty SA, Lester SJ, Huff DG, Haulena M, Ford SL, Nielsen O, Robinson JH, Breitschwerdt EB. *Bartonella henselae* in captive and hunter-harvested beluga (*Delphinapterus leucas*). *J Wildl Dis.* 2008 Oct;44(4):871-7.

Maggi RG, Reichelt S, Toliver M, Engber B. *Borrelia* species in *Ixodes affinis* and *Ixodes scapularis* ticks collected from the coastal plain of North Carolina. *Ticks Tick Borne Dis.* 2010 Dec;1(4):168-71. Epub 2010 Oct 20.

Magnarelli LA, Anderson JF, Johnson RC, Nadelman RB, Wormser GP. Comparison of different strains of *Borrelia burgdorferi* sensu lato used as antigens in enzyme-linked immunosorbent assays. *J Clin Microbiol.* 1994 May;32(5):1154-8.

Maguiña C, Guerra H, Ventosilla P. Bartonellosis. *Clin Dermatol.* 2009 May-Jun;27(3):271-80. Review.

Mainardi JL, Figliolini C, Goldstein FW, Blanche P, Baret-Rigoulet M, Galezowski N, Fournier PE, Raoult D. Cat scratch disease due to *Bartonella henselae* serotype Marseille (Swiss cat) in a seronegative patient. *J Clin Microbiol.* 1998 Sep;36(9):2800.

Majláthová V, Hurníková Z, Majláth I, Petko B. *Hepatozoon canis* infection in Slovakia: imported or autochthonous? *Vector Borne Zoonotic Dis.* 2007 Summer;7(2):199-202.

Malandrin L, Jouglin M, Sun Y, Brisseau N, Chauvin A. Redescription of *Babesia capreoli* (Enigk and Friedhoff, 1962) from roe deer (*Capreolus capreolus*): isolation, cultivation, host specificity, molecular characterisation and differentiation from *Babesia divergens*. *Int J Parasitol.* 2010 Mar 1;40(3):277-84. Epub 2009 Sep 4.

Malane MS, Grant-Kels JM, Feder HM, Luger SW. Diagnosis of Lyme disease based on dermatologic manifestations. *Annals of Internal Medicine*, 114:490-8. 1991.

Malawista SE, Steere AC, Hardin JA. Lyme disease: a unique human model for an infectious etiology of rheumatic disease. *Yale J Biol Med.* 1984 Jul-Aug;57(4):473-7.

Malawista SE, Steere AC. Lyme disease: infectious in origin, rheumatic in expression. *Adv Intern Med.* 1986;31:147-66. Review.

Malawista SE, Barthold SW, Persing DH. Fate of *Borrelia burgdorferi* DNA in tissues of infected mice after antibiotic treatment. 1994. *Journal of Infectious Diseases*, 170:1312-1316.

Mallecourt J, Landureau M, Wirth AM. [Lyme's disease. A clinical case observed in Western France (author's transl)]. *Nouv Presse Med.* 1982 Jan 9;11(1):39-41. [Article in French].

Maman E, Bickels J, Ephros M, Paran D, Comaneshter D, Metzkor-Cotter E, Avidor B, Varon-Graidy M, Wientroub S, Giladi M. Musculoskeletal manifestations of cat scratch disease. *Clin Infect Dis.* 2007 Dec 15;45(12):1535-40.

Mancino P, Ucciferri C, Falasca K, Raciatti D, Di Girolamo A, Vecchiet J, Pizzigallo E. Inguinal lymphadenopathy due to *Bartonella henselae*. *Infez Med.* 2008 Jun;16(2):91-3.

Mandell H, Steere AC, Reinhardt BN, Yoshinari N, Munsat TL, Brod SA, Clapshaw PA. Lack of antibodies to *Borrelia burgdorferi* in patients with amyotrophic lateral sclerosis. *N Engl J Med.* 1989 Jan 26;320(4):255-6.

Mandle T, Einsele H, Schaller M, et al. Infection of human CD34+ progenitor cells with *Bartonella henselae* results in intraerythrocytic presence of *B. henselae*. *Blood.* 2005;106(4):1215-1222.

Manfredi R, Sabbatani S. Bartonellosis: suggestive case reports in adult and pediatric patients and therapeutic issues. *Braz J Infect Dis.* 2006 Dec;10(6):411-5.

Mansueto P, Vitale G, Cascio A, Seidita A, Pepe I, Carroccio A, di Rosa S, Rini GB, Cillari E, Walker DH. New Insight into Immunity and Immunopathology of Rickettsial Diseases. *Clin Dev Immunol.* 2012; 2012: 967852. Published online 2011 September 6.

Mantadakis E, Spanaki AM, Psaroulaki A, Fitrolaki D, Minadakis G, Michaeloudi E, Tselentis Y, Briassoulis G. Encephalopathy complicated by Guillain-Barre syndrome and hydrocephalus and associated with acute *Bartonella quintana* infection. *Pediatr Infect Dis J.* 2007 Sep;26(9):860-2.

Marano N, Rupprecht C, Regnery R. Vaccines for emerging infections. *Rev Sci Tech.* 2007 Apr;26(1):203-15. Review.

Maraspin V, Ogrinc K, Ružić-Sabljić E, Lotrič-Furlan S, Strle F. Isolation of *Borrelia burgdorferi* sensu lato from blood of adult patients with borrelial lymphocytoma, Lyme neuroborreliosis, Lyme arthritis and acrodermatitis chronica atrophicans. *Infection.* 2011 Feb;39(1):35-40. Epub 2010 Dec 10.

Marchal C, Schramm F, Kern A, Luft BJ, Yang X, Schuijt T, Hovius J, Jaulhac B, Boulanger N. Antialarmin effect of tick saliva during the transmission of Lyme disease. *Infect Immun.* 2011 Feb;79(2):774-85. Epub 2010 Dec 6.

Marcus LC, Steere AC, Duray PH, Anderson AE, Mahoney EB. Fatal pancarditis in a patient with coexistent Lyme disease and babesiosis. Demonstration of spirochetes in the myocardium. Ann Intern Med. 1985 Sep;103(3):374-6.

Margileth AM. Cat scratch disease: nonbacterial regional lymphadenitis. The study of 145 patients and a review of the literature. Pediatrics. 1968 Nov;42(5):803-18.

Margos G, Gatewood AG, Aanensen DM, Hanincová K, Terekhova D, Vollmer SA, Cornet M, Piesman J, Donaghy M, Bormane A, Hurn MA, Feil EJ, Fish D, Casjens S, Wormser GP, Schwartz I, Kurtenbach K. MLST of housekeeping genes captures geographic population structure and suggests a European origin of *Borrelia burgdorferi*. Proc Natl Acad Sci U S A. 2008 Jun 24;105(25):8730-5. Epub 2008 Jun 23.

Margos G, Vollmer SA, Ogden NH, Fish D. Population genetics, taxonomy, phylogeny and evolution of *Borrelia burgdorferi* sensu lato. Infect Genet Evol. 2011 Aug 5. [Epub ahead of print]

Marié JL, Fournier PE, Rolain JM, Briolant S, Davoust B, Raoult D. Molecular detection of *Bartonella quintana*, *B. Elizabethae*, *B. Koehlerae*, *B. Doshiae*, *B. Taylorii*, and *Rickettsia felis* in rodent fleas collected in Kabul, Afghanistan. Am J Trop Med Hyg. 2006 Mar;74(3):436-9.

Marienfeld CB, Dicapua DB, Sze GK, Goldstein JM. Expressive aphasia as a presentation of encephalitis with *Bartonella henselae* infection in an immunocompetent adult. Yale J Biol Med. 2010 Jun;83(2):67-71.

Marignac G, Barrat F, Chomel B, Vayssier-Taussat M, Gandois C, Bouillin C, Boulouis HJ. Murine model for *Bartonella birtlesii* infection: New aspects. Comp Immunol Microbiol Infect Dis. 2010 Mar;33(2):95-107. Epub 2010 Jan 25.

Marín M, Muñoz P, Sánchez M, del Rosal M, Alcalá L, Rodríguez-Créixems M, Bouza E; Group for the Management of Infective Endocarditis of the Gregorio Marañón Hospital. Molecular diagnosis of infective endocarditis by real-time broad-range polymerase chain reaction (PCR) and sequencing directly from heart valve tissue. *Medicine (Baltimore)*. 2007 Jul;86(4):195-202.

Marinella MA. Jarisch-Herxheimer reaction. *West J Med*. 1996 Sep;165(3):161-2.

Markeljević J, Sarac H, Rados M. Tremor, seizures and psychosis as presenting symptoms in a patient with chronic lyme neuroborreliosis (LNB). *Coll Antropol*. 2011 Jan;35 Suppl 1:313-8.

Markowitz LE, Steere AC, Benach JL, Slade JD, Broome CV. Lyme disease during pregnancy. *JAMA*. 1986 Jun 27;255(24):3394-6.

Marley SE, Eberhard ML, Steurer FJ, Ellis WL, McGreevy PB, Ruebush TK 2nd. Evaluation of selected antiprotozoal drugs in the Babesia microti-hamster model. *Antimicrob Agents Chemother*. 1997 Jan;41(1):91-4.

Marquardt WC, Demaree RS, Grieve R. *Piroplasmea and Piroplasmosis*. In: *Parasitology & Vector Biology*, 2nd edition. San Diego, CA Harcourt Press. 2000; p.221-224.

Marques A, Shaw P, Schmid CH, Steere A, Kaplan RF, Hassett A, Shapiro E, Wormser GP. Re: A randomized, placebo-controlled trial of repeated IV antibiotic therapy for Lyme encephalopathy. Prolonged Lyme disease treatment: enough is enough. *Neurology*. 2009 Jan 27;72(4):383-4; author reply 384.

Márquez FJ. Molecular detection of *Bartonella alsatica* in European wild rabbits (*Oryctolagus cuniculus*) in Andalusia (Spain). *Vector Borne Zoonotic Dis*. 2010 Oct;10(8):731-4. Epub 2010 Jan 8.

Márquez FJ, Millán J, Rodríguez-Liébana JJ, García-Egea I, Muniain MA. Detection and identification of *Bartonella* sp. in fleas from carnivorous mammals in Andalusia, Spain. *Med Vet Entomol.* 2009 Dec;23(4):393-8.

Marra CM. Neurologic complications of *Bartonella henselae* infection. *Curr Opin Neurol.* 1995;8(3):164-169.

Marre ML, Darcy CT, Yinh J, Akira S, Uematsu S, Steere AC, Hu LT. Role of adrenomedullin in Lyme disease. *Infect Immun.* 2010 Dec;78(12):5307-13. Epub 2010 Oct 4.

Marsch WC, Mayet A, Wolter M. Cutaneous fibroses induced by *Borrelia burgdorferi*. *Br J Dermatol.* 128(6):674-8. 1993.

Marsilia GM, La Mura A, Galdiero R, Galdiero E, Aloj G, Ragozzino A. Isolated hepatic involvement of cat scratch disease in immunocompetent adults: Enhanced magnetic resonance imaging, pathological findings, and molecular analysis--two cases. *Int J Surg Pathol.* 2006 Oct;14(4):349-54.

Marsot M, Sigaud M, Chapuis JL, Ferquel E, Cornet M, Vourc'h G. Introduced Siberian chipmunks (*Tamias sibiricus barberi*) harbor more-diverse *Borrelia burgdorferi* sensu lato genospecies than native bank voles (*Myodes glareolus*). *Appl Environ Microbiol.* 2011 Aug 15;77(16):5716-21. Epub 2011 Jun 24.

Martín L, Vidal L, Campins A, Salvá F, Riera M, Carrillo A, Sáez de Ibarra JI. *Bartonella* as a cause of blood culture-negative endocarditis. Description of five cases. *Rev Esp Cardiol.* 2009 Jun;62(6):694-7.

Martinez-Diaz GJ, Kim J, Bruckner AL. A toddler with facial nodules: a case of idiopathic facial aseptic granuloma. *Dermatol Online J.* 2010 Jan 15;16(1):9.

Martínez-Girón R, Esteban JG, Ribas A, Dogancı L. Protozoa in respiratory pathology: a review. *Eur Respir J.* 2008 Nov;32(5):1354-70. Review.

Martinot M, Zadeh MM, Hansmann Y, Grawey I, Christmann D, Aguiillon S, Jouglon M, Chauvin A, De Briel D. Babesiosis in immunocompetent patients, Europe. *Emerg Infect Dis.* 2011 Jan;17(1):114-6.

Maruyama S. [Cat-scratch disease].[Article in Japanese]. *Nihon Rinsho.* 2010 Jun;68 Suppl 6:244-7.

Mascarelli PE, Iredell JR, Maggi RG, Weinberg G, Breitschwerdt EB. Bartonella species bacteremia in two patients with epithelioid hemangioendothelioma. *J Clin Microbiol.* 2011 Sep 14. [Epub ahead of print]

Massarotti EM, Luger SW, Rahn DW, Messner RP, Wong JB, Johnson RC, Steere AC. Treatment of early Lyme disease. *Am J Med.* 1992 Apr;92(4):396-403.

Massei F, Gori L, Macchia P, Maggiore G. The expanded spectrum of bartonellosis in children. *Infect Dis Clin North Am.* 2005;19(3):691-711.

Massei F, Gori L, Taddeucci G, Macchia P, Maggiore G. Bartonella henselae infection associated with Guillain-Barre syndrome. *Pediatr Infect Dis J.* 2006 Jan;25(1):90-1.

Massei F, Messina F, Talini I, Massimetti M, Palla G, Macchia P, Maggiore G. Widening of the clinical spectrum of Bartonella henselae infection as recognized through serodiagnosis. *Eur J Pediatr.* 2000;159(6):416-419.

Massung RF, Mather TN, Levin ML. Reservoir Competency of Goats for the Ap-Variant 1 Strain of *Anaplasma phagocytophilum*. *Infect Immun.* 2006 February; 74(2): 1373–1375.

Mastrandrea S, Simonetta Taras M, Capitta P, Tola S, Marras V, Strusi G, Masala G. Detection of Bartonella henselae--DNA in macronodular hepatic lesions of an immunocompetent woman. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:116-7. Epub 2009 Sep 28.

Masuzawa T, Iwaki A, Sato Y, Miyamoto K, Korenberg EI, Yanagihara Y. Genetic diversity of *Borrelia burgdorferi* sensu lato isolated in far eastern Russia. *Microbiol Immunol.* 1997;41(8):595-600.

Masuzawa T, Kawabata H, Beppu Y, Miyamoto K, Nakao M, Sato N, Muramatsu K, Sato N, Johnson RC, Yanagihara Y. Characterization of monoclonal antibodies for identification of *Borrelia japonica*, isolates from *Ixodes ovatus*. *Microbiol Immunol.* 1994;38(5):393-8.

Matera G, Liberto MC, Joosten LA, Vinci M, Quirino A, Pulicari MC, Kullberg BJ, Van der Meer JW, Netea MG, Focà A. The Janus face of *Bartonella quintana* recognition by Toll-like receptors (TLRs): a review. *Eur Cytokine Netw.* 2008 Sep;19(3):113-8. Epub 2008 Sep 8. Review.

Matera G, Muto V, Vinci M, Zicca E, Abdollahi-Roodsaz S, van de Veerdonk FL, Kullberg BJ, Liberto MC, van der Meer JW, Focà A, Netea MG, Joosten LA. Receptor recognition of and immune intracellular pathways for *Veillonella parvula* lipopolysaccharide. *Clin Vaccine Immunol.* 2009 Dec;16(12):1804-9. Epub 2009 Oct 14.

Mathers A, Smith RP, Cahill B, Lubelczyk C, Elias SP, Lacombe E, Morris SR, Vary CP, Parent CE, Rand PW. Strain diversity of *Borrelia burgdorferi* in ticks dispersed in North America by migratory birds. *J Vector Ecol.* 2011 Jun;36(1):24-9.

Mathiesen DH, Glaser C, Lane RS, TelfordIII SR, Thomford JW, Mathieson D, Krause PJ, Phillip DF, and Conrad PA. Infection with a Babesia-like organism in north California. *N Engl J Med.* 1995;332:298-303.

Mathieu S, Vellin JF, Poujol D, Ristori JM, Soubrier M. Cat scratch disease during etanercept therapy. *Joint Bone Spine.* 2007 Mar;74(2):184-6. Epub 2007 Feb 5.

Mathis A, Hilpertshauser H, Deplazes P. [Piroplasms of ruminants in Switzerland and zoonotic significance of Babesia]. [Article in German]. *Schweiz Arch Tierheilkd.* 2006;148:151-9.

Matsuo T, Notohara K. Bartonella henselae bacilli detected in vitrectomy aspirates in a patient with massive vitreous opacity with total retinal detachment. *Ocul Immunol Inflamm.* 2006 Feb;14(1):47-9.

Matthee S, Horak IG, Beaucournu JC, Durden LA, Ueckermann EA, McGeoch MA. Epifaunistic arthropod parasites of the four-striped mouse, *Rhabdomys pumilio*, in the Western Cape Province, South Africa. *J Parasitol.* 2007 Feb;93(1):47-59.

Mattman LH. Cell wall deficient forms: stealth pathogens. CRC Press, Inc., Boca Raton, Fla., 2nd ed. 1993.

Maurin M, Birtles R, Raoult D. Current knowledge of *Bartonella* species. *Eur J Clin Microbiol Infect Dis.* 1997 Jul;16(7):487-506. Review.

Maurin M, Eb F, Etienne J, Raoult D. Serological cross-reactions between *Bartonella* and *Chlamydia* species: implications for diagnosis. *J Clin Microbiol.* 1997 Sep;35(9):2283-7.

Maurin M, Raoult D. *Bartonella* infections: diagnostic and management issues. *Curr Opin Infect Dis.* 1998 Apr;11(2):189-193.

Maurin M, Raoult D. Isolation in endothelial cell cultures of chlamydia trachomatis LGV (Serovar L2) from a lymph node of a patient with suspected cat scratch disease. *J Clin Microbiol.* 2000 Jun;38(6):2062-4.

Maurin M, Rolain JM, Raoult D. Comparison of in-house and commercial slides for detection by immunofluorescence of immunoglobulins G and M against *Bartonella henselae* and *Bartonella quintana*. *Clin Diagn Lab Immunol.* 2002 Sep;9(5):1004-9.

Mavin S, McDonagh S, Evans R, Milner RM, Chatterton JM, Ho-Yen DO. Interpretation criteria in Western blot diagnosis of Lyme borreliosis. *Br J Biomed Sci.* 2011;68(1):5-10.

May WS Jr, Cuatrecasas P. Transferrin receptor: its biological significance. *J Membr Biol.* 1985;88(3):205-15. Review.

Mazyad SA, Shoukry NM, El-Alfy NM. Efficacy of *Ixodes ricinus* as a vector of zoonotic babesiosis in Sinai Peninsula, Egypt. *J Egypt Soc Parasitol.* 2010 Aug;40(2):499-514.

Mba PA, Marié JL, Rolain JM, Davoust B, Beaucournu JC, Raoult D, Parola P. Rickettsia felis and Bartonella henselae in fleas from Lebanon. *Vector Borne Zoonotic Dis.* 2011 Jul;11(7):991-2. Epub 2011 Feb 1.

McAuliffe P, Brassard MR, Fallon B. Memory and executive functions in adolescents with posttreatment Lyme disease. *Appl Neuropsychol.* 2008;15(3):208-19.

McCarthy, JS. Malaria Chemoprophylaxis in War and Peace. [Editorial]. *MJA* vol. 182 No. 4, 2005 Feb. 21. Available from: [http://www.mja.com.au/public/issues/182\\_04\\_210205/mcc10925\\_fm.pdf](http://www.mja.com.au/public/issues/182_04_210205/mcc10925_fm.pdf).

McCool TL, Hoey JG, Montileone F, Goldenberg HB, Mordechai E, Adelson ME. Discovery and analysis of *Bartonella henselae* antigens for use in clinical serologic assays. *Diagn Microbiol Infect Dis.* 2008 Jan;60(1):17-23. Epub 2007 Sep 21.

McCord AM, Burgess AW, Whaley MJ, Anderson BE. Interaction of *Bartonella henselae* with Endothelial Cells Promotes Monocyte/Macrophage Chemoattractant Protein 1 Gene Expression and Protein Production and Triggers Monocyte Migration. *Infect Immun.* 2005 September; 73(9): 5735-5742.

McCord AM, Cuevas J, Anderson BE. *Bartonella*-induced endothelial cell proliferation is mediated by release of calcium from intracellular stores. *DNA Cell Biol.* 2007 Sep;26(9):657-63.

McCord AM, Resto-Ruiz SI, Anderson BE. Autocrine role for interleukin-8 in *Bartonella henselae*-induced angiogenesis. *Infect Immun.* 2006 Sep;74(9):5185-90.

McCord G, Smucker WD, Selius BA, Hannan S, Davidson E, Schrop SL, Rao V, Albrecht P. Answering questions at the point of care: do residents practice EBM or manage information sources? *Acad Med.* 2007 Mar;82(3):298-303.

McDonagh JER. The life cycle of the organism of syphilis. *Lancet*, 2:1011. 1912.

McDonagh JER. The complete life history of the organism of syphilis. *British Medical Journal of Dermatology & Syphilis*, 25:1-14. 1913.

McDonagh JER. The nature of disease. Heinemann, London. 1924.

McElroy KM, Blagburn BL, Breitschwerdt EB, Mead PS, McQuiston JH. Flea-associated zoonotic diseases of cats in the USA: bartonellosis, flea-borne rickettsioses, and plague. *Trends Parasitol.* 2010 Apr;26(4):197-204. Epub 2010 Feb 23. Review.

McFadden JP, Greaves MW. Urticular lesions and Lyme disease. *J Am Acad Dermatol*, 25(1 Pt 1):131-2. 1991.

McGill S, Rajs J, Hjelm E, Lindquist O, Friman G. A study on forensic samples of *Bartonella* spp antibodies in Swedish intravenous heroin addicts. *APMIS*. 2003;111(4):507-513.

McGill S, Wesslen L, Hjelm E, Holmberg M, Rolf C, Friman G. Serological and epidemiological analysis of the prevalence of *Bartonella* spp. antibodies in Swedish elite orienteers 1992-93. *Scand J Infect Dis.* 2001;33(6):423-428.

McGrath N, Wallis W. Cat-scratch encephalopathy. *Neurology*. 1998;51(4):1239.

McKenna D, Faustini Y, Nowakowski J, Wormser GP. Factors influencing the utilization of Lyme disease-prevention behaviors in a high-risk population. *J Am Acad Nurse Pract.* 2004 Jan;16(1):24-30.

McNeil DG Jr. Plant shortage leaves campaigns against malaria at risk. New York Times. 2004 Nov 14. [cited 2006 Jul]. Available from: <http://www.nytimes.com/2004/11/14/international/asia/14malaria.html?ex=1134450000&en=7ce7c3af52873986&ei=5070>.

Mead P, Goel R, Kugeler K. Canine serology as adjunct to human lyme disease surveillance. *Emerg Infect Dis.* 2011 Sep;17(9):1710-2.

Mediannikov O, Cabre O, Qu F, Socolovschi C, Davoust B, Marié JL, Parola P, Raoult D. *Rickettsia felis* and *Bartonella claridgeiae* in fleas from New Caledonia. *Vector Borne Zoonotic Dis.* 2011 Feb;11(2):181-3. Epub 2010 Jun 23.

Mediannikov O, Diatta G, Fenollar F, Sokhna C, Trape JF, Raoult D. Tick-Borne Rickettsioses, Neglected Emerging Diseases in Rural Senegal. *PLoS Negl Trop Dis.* 2010 September; 4(9): e821. Published online 2010 September 14.

Mediannikov O, Ivanov L, Zdanovskaya N, Vysochina N, Fournier PE, Tarasevich I, Raoult D. Molecular screening of *Bartonella* species in rodents from the Russian Far East. *Ann N Y Acad Sci.* 2005 Dec;1063:308-11.

Mediannikov OIu, Melikian AL. [A case of cat scratch disease in a patient with diabetes mellitus and chronic renal failure].[Article in Russian]. *Klin Med (Mosk).* 2006;84(7):61-3.

Medical Diagnostic Laboratories L.L.C., 133 Gaither Dr., Suite C, Mt. Laurel, NJ 08054, USA. PCR analysis of *Ixodes scapularis* ticks collected in New Jersey identified infections with *Borrelia burgdorferi* (33.6%), *Babesia microti* (8.4%), *Anaplasma phagocytophila* (1.9%), and *Bartonella* spp. (34.5%). The *I. Scapularis* tick is a potential pathogen vector that can cause coinfection and contribute to the variety of clinical responses noted in some tick-borne disease patients. Cited in PubMed.

Medical News Today. [Monograph on the Internet]. Available from: <http://www.medicalnewstoday.com/medicalnews.php?newsid=3518>. Accessed 2006 Aug 13.

MedicineNet.com. Definition of Artemisinin. Available from: <http://www.medterms.com/script/main/art.asp?articlekey=24010>. Accessed 2006 Aug 10.

Medkova Z. Bartonelloses. Klin Mikrobiol Infekc Lek. 2004;10(5): 207-213.

Medline Plus: Drugs and Supplements. "Hydroxychloroquine". [Monograph on the Internet]. Available from: <http://www.nlm.nih.gov/medlineplus/druginfo/medmaster/a601240.html>

Medlock JM, Barrass I, Kerrod E, Taylor MA, Leach S. Analysis of climatic predictions for extrinsic incubation of *Dirofilaria* in the United kingdom. Vector Borne Zoonotic Dis. 2007 Spring;7(1):4-14.

Meer-Scherrer L, Chang Loa C, Adelson ME, Mordechai E, Lobrinus JA, Fallon BA, Tilton RC. Lyme disease associated with Alzheimer's disease. Curr Microbiol. 2006 Apr;52(4):330-2. Epub 2006 Mar 9.

Meeusen ENT, Walker J, Peters A, Pastoret P, Jungherssen G. Current Status of Veterinary Vaccines. Clin Microbiol Rev. 2007 July; 20(3): 489–510.

Meghari S, Rolain JM, Grau GE, Platt E, Barrassi L, Mege JL, Raoult D. Antiangiogenic effect of erythromycin: an in vitro model of *Bartonella quintana* infection. J Infect Dis. 2006 Feb 1;193(3):380-6. Epub 2005 Dec 27.

Mehock JR, Greene CE, Gherardini FC, Hahn TW, Krause DC. *Bartonella henselae* invasion of feline erythrocytes in vitro. Infect Immun. 1998;66(7):3462-3466.

Mehmi M, Lim SP, Tan CY. An unusual cutaneous presentation of cat-scratch disease. *Clin Exp Dermatol.* 2007 Mar;32(2):219-20. Epub 2006 Dec 14.

Meier C, Reulen HJ, Huber P, Mummenthaler M. Meningo-radiculoneuritis mimicking vertebral disc herniation. A “neurosurgical” complication of Lyme-borreliosis. *Acta Neurochir (Wien)*, 98(1-2):42-6. 1989.

Meier P, Blatz R, Gau M, Spencker FB, Wiedemann P. Pars plana vitrectomy in Borrelia burgdorferi endophthalmitis. 1998. *Klin Monatsbl Augenheilkd*, 213(6):351-4.

Meimoun P, Sayah S, Benali T, Bore AL, Bailly J, Beausoleil J, Jeleff C, Maitre B. [Lyme disease presenting as infarction pain. A case report]. [Article in French]. *Arch Mal Coeur Vaiss*, 94(12):1419-22. 2001.

Meininger GR, Nadasdy T, Hruba RH, Bollinger RC, Baughman KL, Hare JM. Chronic active myocarditis following acute Bartonella henselae infection (cat scratch disease). *Am J Surg Pathol.* 2001;25(9):1211-1214.

Meirelles Richer L, Aroso M, Contente-Cuomo T, Ivanova L, Gomes-Solecki M. Reservoir Targeted Vaccine for Lyme Borreliosis Induces a Year Long, Neutralizing Antibody Response to OspA in White-footed Mice. *Clin Vaccine Immunol.* 2011 Sep 14. [Epub ahead of print]

Meirowsky E. (Abstract by Dr. H. C. Semon) On the biological position of the Spirochaeta pallida and its development. *British Journal of Dermatology*, 26:185. 1914.

Melet M, Gerard A, Voiriot P, Gayet S, May T, et al. [Fatal meningoradiculoneuritis in Lyme disease]. [Article in French]. *Presse Med*, 15(41):2075. 1986.

Meliani P, Khatibi S, Randazzo S, Gorenflo A, Marchou B. [Human babesiosis].[Article in French]. Med Mal Infect. 2006 Oct;36(10):499-504. Epub 2006 Oct 4. Review.

Melikian AL, Mediannikov OIu, Kaplanskaia IB, Komarova AI, Tarasevich IV. [Bartonella infection in hematological practice].[Article in Russian]. Ter Arkh. 2007;79(4):58-62.

Mellor PJ, Fetz K, Maggi RG, Haugland S, Dunning M, Villiers EJ, Mellanby RJ, Williams D, Breitschwerdt E, Herrtage ME. Alpha1-proteinase inhibitor deficiency and Bartonella infection in association with panniculitis, polyarthritis, and meningitis in a dog. J Vet Intern Med. 2006 Jul-Aug;20(4):1023-8.

Menichetti F, Bindi ML, Tascini C, Urbani L, Biancofiore G, Doria R, Esposito M, Mozzo R, Catalano G, Filipponi F. Fever, mental impairment, acute anemia, and renal failure in patient undergoing orthotopic liver transplantation: posttransplantation malaria. Liver Transpl. 2006 Apr;12(4):674-6.

Mennel S, Meyer CH, Schroeder FM. [Multifocal chorioretinitis, papillitis, and recurrent optic neuritis in cat-scratch disease].[Article in French]. J Fr Ophtalmol. 2005 Dec;28(10):e10.

Merle De Boever C, Mura F, Brun M, Reynes J. [Ocular bartonellosis in an HIV-HVC coinfecting patient].[Article in French]. Med Mal Infect. 2008 Sep;38(9):504-6. Epub 2008 Aug 15.

Mermin J, Ekwaru JP, Liechty CA, Were W, Downing R, Ransom R, Weidle P, Lule J, Coutinho A, Solberg P. Effect of co-trimoxazole prophylaxis, antiretroviral therapy, and insecticide-treated bednets on the frequency of malaria in HIV-1-infected adults in Uganda: a prospective cohort study. Lancet. 2006 Apr 15;367(9518):1256-61.

Merrell DS, Falkow S. Frontal and stealth attack strategies in microbial pathogenesis. Nature. 2004 Jul 8;430(6996):250-6. Review.

Messori L, Gabbiani C, Casini A, Siragusa M, Vincieri FF, Bilia AR. The reaction of artemisinins with hemoglobin: a unified picture. *Bioorg Med Chem.* 2006 May 1;14(9):2972-7. [Epub 2006 Jan 10].

Metz CH, Buer J, Bornfeld N, Lipski A. Bilateral *Bartonella henselae* neuroretinitis with stellate maculopathy in a 6-year-old boy. *Infection.* 2011 Aug 9. [Epub ahead of print]

Metzkor-Cotter E, Kletter Y, Avidor B, et al. Long-term serological analysis and clinical follow-up of patients with cat scratch disease. *Clin Infect Dis.* 2003;37(9):1149-1154.

Mexas AM, Hancock SI, Breitschwerdt EB. *Bartonella henselae* and *Bartonella elizabethae* as potential canine pathogens. *J Clin Microbiol.* 2002 Dec;40(12):4670-4.

Meyer AL, Trollmo C, Crawford F, Marrack P, Steere AC, Huber BT, Kappler J, Hafler DA. Direct enumeration of *Borrelia*-reactive CD4 T cells ex vivo by using MHC class II tetramers. *Proc Natl Acad Sci U S A.* 2000 Oct 10;97(21):11433-8.

Meyniel C, Wiertlewski S. [Optic neuritis].[Article in French]. *Rev Med Interne.* 2010 Jul;31(7):481-5.

Michau TM, Breitschwerdt EB, Gilger BC, Davidson MG. *Bartonella vinsonii* subspecies *berkhoffi* as a possible cause of anterior uveitis and choroiditis in a dog. *Vet Ophthalmol.* 2003 Dec;6(4):299-304.

Michos A, Dessypris N, Pourtsidis A, Moschovi M, Polychronopoulou S, Athanasiadou-Piperopoulou F, Kalmanti M, Syriopoulou VP, Mavrouli MD, Petridou ET. Delayed exposure to infections and childhood lymphomas: a case-control study. *Cancer Causes Control.* 2009 Jul;20(5):795-802. Epub 2009 Jan 25.

Miettinen OS. Rationality in medicine. *J Eval Clin Pract.* 2009. Dec;15(6):960-3.

Mietze A, Morick D, Köhler H, Harrus S, Dehio C, Nolte I, Goethe R. Combined MLST and AFLP typing of *Bartonella henselae* isolated from cats reveals new sequence types and suggests clonal evolution. *Vet Microbiol.* 2011 Mar 24;148(2-4):238-45. Epub 2010 Sep 21.

Mietze A, Strube C, Beyerbach M, Schnieder T, Goethe R. Occurrence of *Bartonella henselae* and *Borrelia burgdorferi* sensu lato co-infections in ticks collected from humans in Germany. *Clin Microbiol Infect.* 2011 Jun;17(6):918-20.

Mihalca AD, Gherman CM, Cozma V. Coendangered hard-ticks: threatened or threatening? *Parasit Vectors.* 2011; 4: 71. Published online 2011 May 9.

Mikkila H, Seppala I, Leirisalo-Repo M, Immonen I, Karma A. The etiology of uveitis: the role of infections with special reference to Lyme borreliosis. *Acta Ophthalmol Scand.* 75(6):716-9. 1997.

Mikkila HO, Seppala IJ, Viljanen MK, Peltomaa MP, Karma A. The expanding clinical spectrum of ocular Lyme borreliosis. *Ophthalmology,* 107(3):581-7. 2000.

Miklossy J. Alzheimer's disease--a spirochetosis? *Neuroreport.* 1993. July;4(7):841-8.

Miklossy J. Biology and neuropathology of dementia in syphilis and Lyme disease. *Handb Clin Neurol.* 2008;89:825-44.

Miklossy J. Chronic inflammation and amyloidogenesis in Alzheimer's disease -- role of Spirochetes. *J Alzheimers Dis.* 2008 May;13(4):381-91. Review.

Miklossy J, Kasas S, Zurn AD, McCall S, Yu S, McGeer PL. Persisting atypical and cystic forms of *Borrelia burgdorferi* and local inflammation in Lyme neuroborreliosis. *J Neuroinflammation.* 2008 Sep 25;5:40.

Miklossy J, Khalili K, Gern L, Ericson RL, Darekar P, Bolle L, Hurlimann J, Paster BJ. *Borrelia burgdorferi* persists in the brain in chronic lyme neuroborreliosis and may be associated with Alzheimer disease. *J Alzheimers Dis.* 2004 Dec;6(6):639-49; discussion 673-81.

Miklossy J, Kis A, Radenovic A, Miller L, Forro L, Martins R, Reiss K, Darbinian N, Darekar P, Mihaly L, Khalili K. Beta-amyloid deposition and Alzheimer's type changes induced by *Borrelia* spirochetes. *Neurobiol Aging.* May, 2005.

Miklossy J, Kuntzer T, Bogousslavsky J, Regli F, Janzer RC. Meningovascular form of neuroborreliosis: similarities between neuropathological findings in a case of Lyme disease and those occurring in tertiary neurosyphilis. *Acta Neuropathol.* 1990;80(5):568-72.

Mikolajczyk MG, O'Reilly KL. Clinical disease in kittens inoculated with a pathogenic strain of *Bartonella henselae*. *Am J Vet Res.* 2000;61(4):375-379.

Miles RW. Cognitive bias and planning error: nullification of evidence-based medicine in the nursing home. *J Am Med Dir Assoc.* 2010 Mar;11(3):194-203.

Millán J. Comments on the manuscript by Bitam et al., 'Fleas and flea-borne diseases'. *Int J Infect Dis.* 2011 Mar;15(3):e219. Epub 2010 Dec 28.

Millar B, Moore J, Mallon P, Xu J, Crowe M, McClurg R, Raoult D, Earle J, Hone R, Murphy P. Molecular diagnosis of infective endocarditis--a new Duke's criterion. *Scand J Infect Dis.* 2001;33(9):673-80.

Millar BC, Moore JE. Emerging issues in infective endocarditis. *Emerg Infect Dis.* 2004 Jun;10(6):1110-6.

Miller DS, Sauther ML, Hunter-Ishikawa M, Fish K, Culbertson H, Cuozzo PF, Campbell TW, Andrews GA, Chavey PS, Nachreiner R, Rumbeiha W, Stacewicz-Sapuntzakis M, Lappin MR. Biomedical evaluation of free-ranging ring-tailed lemurs (*Lemur catta*) in three habitats at the Beza Mahafaly Special Reserve, Madagascar. *J Zoo Wildl Med.* 2007 Jun;38(2):201-16.

Miller JC, Ma Y, Bian J, Sheehan KC, Zachary JF, Weis JH, Schreiber RD, Weis JJ. A critical role for Type I IFN in arthritis development following *Borrelia burgdorferi* infection of mice. *J Immunol.* 2008 December 15; 181(12): 8492–8503.

Miller JC, Maylor-Hagen H, Ma Y, Weis JH, Weis JJ. The Lyme Disease Spirochete *Borrelia burgdorferi* Utilizes Multiple Ligands, Including RNA, for Interferon Regulatory Factor 3-Dependent Induction of Type I Interferon-Responsive Genes. *Infect Immun.* 2010 July; 78(7): 3144–3153. Published online 2010 April 19.

Miller LC, Lynch EA, Isa S, Logan JW, Dinarello CA, Steere AC. Balance of synovial fluid IL-1 beta and IL-1 receptor antagonist and recovery from Lyme arthritis. *Lancet.* 1993 Jan 16;341(8838):146-8.

Miller LC, Isa S, Vannier E, Georgilis K, Steere AC, Dinarello CA. Live *Borrelia burgdorferi* preferentially activate interleukin-1 beta gene expression and protein synthesis over the interleukin-1 receptor antagonist. *J Clin Invest.* 1992 Sep;90(3):906-12.

Miller RS, Wongsrichanalai C, Buathong N, McDaniel P, Walsh DS, Knirsch C, Ohrt C. Effective treatment of uncomplicated *Plasmodium falciparum* malaria with azithromycin-quinine combinations: a randomized, dose-ranging study. *Am J Trop Med Hyg.* 2006 Mar;74(3):401-6.

Minadakis G, Chochlakis D, Kokkini S, Gikas A, Tselentis Y, Psaroulaki A. Seroprevalence of *Bartonella henselae* antibodies in blood donors in Crete. *Scand J Infect Dis.* 2008;40(10):846-7.

Minnick MF, Anderson BE. Bartonella interactions with host cells. *Subcell Biochem.* 2000;33:97-123. Review.

Minnick MF, Battisti JM. Pestilence, persistence and pathogenicity: infection strategies of *Bartonella*. *Future Microbiol.* 2009 Aug;4(6):743-58. Review.

Minnick MF, Smitherman LS, Samuels DS. Mitogenic Effect of *Bartonella bacilliformis* on Human Vascular Endothelial Cells and Involvement of GroEL. *Infect Immun.* 2003 December; 71(12): 6933-6942.

Mischoulon D, Fava M. Role of S-adenosyl-L-methionine in the treatment of depression: a review of the evidence. *Am J Clin Nutr.* 2002;76(5):1158S-61S.

Mitchell BM, Font RL. Molecular detection of *Bartonella henselae* for the diagnosis of cat scratch disease and bacillary angiomatosis of the conjunctiva. *Cornea.* 2011 Jul;30(7):807-14.

Mitchell PD, Reed KD, Hofkes JM. Immunoserologic evidence of coinfection with *Borrelia burgdorferi*, *Babesia microti*, and human granulocytic Ehrlichia species in residents of Wisconsin and Minnesota. *J Clin Microbiol.* 1996 Mar;34(3):724-7.

Miura K, Rikihisa Y. Virulence Potential of *Ehrlichia chaffeensis* Strains of Distinct Genome Sequences. *Infect Immun.* 2007 July; 75(7): 3604–3613. Published online 2007 April 16.

Miyamoto K, Hashimoto Y. [Prevention of Lyme borreliosis infection after tick bites].[Article in Japanese]. *Kansenshogaku Zasshi.* 1998 May;72(5):512-6.

Miyamoto K, Nakao M, Sato N, Mori M. Isolation of Lyme disease spirochetes from an ixodid tick in Hokkaido, Japan. *Acta Trop.* 1991 Apr;49(1):65-8.

Miyamoto K, Nakao M, Uchikawa K, Fujita H. Prevalence of Lyme borreliosis spirochetes in ixodid ticks of Japan, with special reference to a new potential vector, *Ixodes ovatus* (Acari: Ixodidae). *J Med Entomol.* 1992 Mar;29(2):216-20.

Miyamoto K, Sato Y, Okada K, Fukunaga M, Sato F. Competence of a migratory bird, red-bellied thrush (*Turdus chrysolaus*), as an avian reservoir for the Lyme disease spirochetes in Japan. *Acta Trop.* 1997 Apr 30;65(1):43-51.

Miyamoto S, Takemura Y, Hanba Y, Kitani A, Ishizuka T, Suzuki K, Sekiguchi S. [Comparable evaluation of serological diagnostic tests (ELISA, IFA and PA methods) for the detection of anti-*Borrelia burgdorferi* antibody].[Article in Japanese]. *Rinsho Byori.* 1992 Nov;40(11):1204-9.

Miyashiro MJ, Yee RW, Patel G, Ruiz RS Lyme disease associated with unilateral interstitial keratitis. *Cornea,* 18(1):115-6. 1999.

Mofenson LM, Brady MT, Danner SP, Dominguez KL, Hazra R, Handelsman E, Havens P, Nesheim S, Read JS, Serchuck L, Van Dyke R; Centers for Disease Control and Prevention; National Institutes of Health; HIV Medicine Association of the Infectious Diseases Society of America; Pediatric Infectious Diseases Society; American Academy of Pediatrics. Guidelines for the Prevention and Treatment of Opportunistic Infections among HIV-exposed and HIV-infected children: recommendations from CDC, the National Institutes of Health, the HIV Medicine Association of the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society, and the American Academy of Pediatrics. *MMWR Recomm Rep.* 2009 Sep 4;58(RR-11):1-166.

Moffat CM, Sigal LH, Steere AC, Freeman DH, Dwyer JM. Cellular immune findings in Lyme disease. Correlation with serum IgM and disease activity. *Am J Med.* 1984 Oct;77(4):625-32.

Mogollon-Pasapera E, Otvos L Jr, Giordano A, Cassone M. Bartonella: emerging pathogen or emerging awareness? *Int J Infect Dis.* 2009 Jan;13(1):3-8. Epub 2008 Jul 14. Review.

Mokry M, Flaschka G, Kleinert G, Kleinert R, Fazekas F, Kopp W. Chronic Lyme disease with an expansive granulomatous lesion in the cerebellopontine angle. *Neurosurgery,* 27(3):446-51. 1990.

Möller HJ, Maier W. Evidence-based medicine in psycho-pharmacotherapy: possibilities, problems and limitations. *Eur Arch Psychiatry Clin Neurosci.* 2010 Feb;260(1):25-39.

Moniuszko A, Gińdzieńska-Sieśkiewicz E, Pancewicz SA, Czupryna P, Zajkowska J, Sierakowski S. Evaluation of skin thickness lesions in patients with Lyme disease measured by modified Rodnan total skin score. *Rheumatol Int.* 2011 Sep 30. [Epub ahead of print]

Montcriol A, Benard F, Fenollar F, Ribeiri A, Bonnet M, Collart F, Guidon C. Fatal myocarditis-associated *Bartonella quintana* endocarditis: a case report. *J Med Case Reports.* 2009 Jul 17;3:7325.

Monteil M, Durand B, Bouchouicha R, Petit E, Chomel B, Arvand M, Boulouis HJ, Haddad N. Development of discriminatory multiple-locus variable number tandem repeat analysis for *Bartonella henselae*. *Microbiology.* 2007 Apr;153(Pt 4):1141-8.

Monteil RA, Michiels JF, Hofman P, Saint-Paul MC, Hitzig C, Perrin C, Santini J. Histological and ultrastructural study of one case of oral bacillary angiomatosis in HIV disease and review of the literature. *Eur J Cancer B Oral Oncol.* 1994 Jan;30B(1):65-71. Review.

Montero E, Rafiq S, Heck S, Lobo CA. Inhibition of human erythrocyte invasion by *Babesia divergens* using serine protease inhibitors. *Mol Biochem Parasitol.* 2007 May;153(1):80-4. Epub 2007 Jan 26.

Montero E, Rodriguez M, Oksov Y, Lobo CA. Babesia divergens apical membrane antigen 1 and its interaction with the human red blood cell. *Infect Immun.* 2009 Nov;77(11):4783-93. Epub 2009 Aug 31.

Moore JC, Lai H, Li JR, Ren RL, McDougall JA, Singh NP, Chou CK. Oral administration of dihydroartemisinin and ferrous sulfate retarded implanted fibrosarcoma growth in the rat. *Cancer Lett.* 1995 Nov;98(1):83-7.

Moore MW, Cruz AR, LaVake CJ, Marzo AL, Eggers CH, Salazar JC, Radolf JD. Phagocytosis of *Borrelia burgdorferi* and *Treponema pallidum* Potentiates Innate Immune Activation and Induces Gamma Interferon Production. *Infect Immun.* 2007 April; 75(4): 2046–2062. Published online 2007 January 12.

Moore TA, Tomayko JF Jr, Wierman AM, Rensimer ER, White AC Jr. Imported malaria in the 1990s. A report of 59 cases from Houston, Tex. *Arch Fam Med.* 1994 Feb;3(2):130-6.

Morales SC, Breitschwerdt EB, Washabau RJ, Matise I, Maggi RG, Duncan AW. Detection of *Bartonella henselae* DNA in two dogs with pyogranulomatous lymphadenitis. *J Am Vet Med Assoc.* 2007 Mar 1;230(5):681-5.

Moreno MA. Advice for patients. Lyme disease in children and adolescents. *Arch Pediatr Adolesc Med.* 2011 Jan;165(1):96.

Morick D, Krasnov BR, Khokhlova IS, Gottlieb Y, Harrus S. Investigation of *Bartonella* acquisition and transmission in *Xenopsylla ramesis* fleas (Siphonaptera: Pulicidae). *Mol Ecol.* 2011 Jul;20(13):2864-70. Epub 2011 Feb 24.

Moro MH, Zegarra-Moro OL, Bjornsson J, Hofmeister EK, Bruinsma E, Germer JJ, Persing DH. Increased arthritis severity in mice coinfecte with *Borrelia burgdorferi* and *Babesia microti*. *J Infect Dis.* 2002 Aug 1;186(3):428-31. Epub 2002 Jul 5.

Mormont E, Esselinckx W, De Ronde T, Hanson P, Deltombe T, Laloux P. Abdominal wall weakness and lumboabdominal pain revealing neuroborreliosis: a report of three cases. *Clin Rheumatol*, 20(6):447-50. 2001.

Morway C, Kosoy M, Eisen R, Montenieri J, Sheff K, Reynolds PJ, Powers N. A longitudinal study of Bartonella infection in populations of woodrats and their fleas. *J Vector Ecol*. 2008 Dec;33(2):353-64.

Mosbacher M, Elliott SP, Shehab Z, Pinnas JL, Klotz JH, Klotz SA. Cat scratch disease and arthropod vectors: more to it than a scratch? *J Am Board Fam Med*. 2010 Sep-Oct;23(5):685-6.

Mosbacher ME, Klotz S, Klotz J, Pinnas JL. Bartonella henselae and the potential for arthropod vector-borne transmission. *Vector Borne Zoonotic Dis*. 2011 May;11(5):471-7. Epub 2010 Oct 25.

Moscatello AL, Worden DL, Nadelman RB, Wormser G, Lucente F. Otolaryngologic aspects of Lyme disease. *Laryngoscope*. 1991 Jun;101(6 Pt 1):592-5.

Motaleb MA, Pitzer JE, Sultan SZ, Liu J. A novel gene inactivation system reveals altered periplasmic flagellar orientation in a *Borrelia burgdorferi* fliL mutant. *J Bacteriol*. 2011 Jul;193(13):3324-31. Epub 2011 Mar 25.

Motaleb MA, Sultan SZ, Miller MR, Li C, Charon NW. CheY3 of *Borrelia burgdorferi* is the key response regulator essential for chemotaxis and forms a long-lived phosphorylated intermediate. *J Bacteriol*. 2011 Jul;193(13):3332-41. Epub 2011 Apr 29.

Mourin S, Bonnier C, Bigaignon G, Lyon G. Epilepsy disclosing neuroborreliosis. *Rev Neurol (Paris)*, 149(8-9):489-91. 1993.

Movila A, Reye AL, Dubinina HV, Tolstenkov OO, Toderas I, Hübschen JM, Muller CP, Alekseev AN. Detection of Babesia Sp. EU1 and members of spotted fever group rickettsiae in ticks collected from migratory birds at Curonian Spit, North-Western Russia. *Vector Borne Zoonotic Dis.* 2011 Jan;11(1):89-91. Epub 2010 Jun 16.

Mudd S, Polevitsky K, Anderson TF. Bacterial morphology as shown by the electron microscope; V. *Treponema pallidum*, *Treponema macrodentium* and *Treponema microdentium*. *Journal of Bacteriology*, 46:15-24. 1943.

Muenzel D, Duetsch S, Fauser C, Slotta-Huspenina J, Gaa J, Rummeny EJ, Holzapfel K. Diffusion-weighted magnetic resonance imaging in cervical lymphadenopathy: report of three cases of patients with *Bartonella henselae* infection mimicking malignant disease. *Acta Radiol.* 2009 Oct;50(8):914-6.

Müllegger RR, Means TK, Shin JJ, Lee M, Jones KL, Glickstein LJ, Luster AD, Steere AC. Chemokine signatures in the skin disorders of Lyme borreliosis in Europe: predominance of CXCL9 and CXCL10 in erythema migrans and acrodermatitis and CXCL13 in lymphocytoma. *Infect Immun.* 2007 Sep;75(9):4621-8. Epub 2007 Jul 2.

Müllegger RR, McHugh G, Ruthazer R, Binder B, Kerl H, Steere AC. Differential expression of cytokine mRNA in skin specimens from patients with erythema migrans or acrodermatitis chronica atrophicans. *J Invest Dermatol.* 2000 Dec;115(6):1115-23.

Müller NF, Kaiser PO, Linke D, Schwarz H, Riess T, Schäfer A, Eble JA, Kempf VA. Trimeric autotransporter adhesin-dependent adherence of *Bartonella henselae*, *Bartonella quintana*, and *Yersinia enterocolitica* to matrix components and endothelial cells under static and dynamic flow conditions. *Infect Immun.* 2011 Jul;79(7):2544-53. Epub 2011 May 2.

Mun J, Eisen RJ, Eisen L, Lane RS. Detection of a *Borrelia miyamotoi* sensu lato relapsing-fever group spirochete from *Ixodes pacificus* in California. *J Med Entomol.* 2006 Jan;43(1):120-3.

Muñana KR, Vitek SM, Hegarty BC, Kordick DL, Breitschwerdt EB. Infection of fetal feline brain cells in culture with *Bartonella henselae*. *Infect Immun.* 2001 Jan;69(1):564-9.

Munderloh UG, Park YJ, Dioh JM, Fallon AM, Kurtti TJ. Plasmid modifications in a tick-borne pathogen, *Borrelia burgdorferi*, cocultured with tick cells. *Insect Mol Biol.* 1993;1(4):195-203.

Munford R, Lu M, Varley A. Kill the Bacteria ... and Also Their Messengers? *Adv Immunol.* 2009; 103: 29.

Munoz J, Velasco M, Alonso D, Valls ME, Corachan M, Gascon J. [How much primaquine is needed to eradicate *Plasmodium vivax* hypnozoites?] *Enferm Infect Microbiol Clin.* 2006 Jan;24(1):29-30. [Article in Spanish].

Munro JB, Silva JC. Ribonucleotide Reductase as a Target to Control Apicomplexan Diseases. *Curr Issues Mol Biol.* 2011 Jul 26;14(1):9-26. [Epub ahead of print]

Munson PD, Boyce TG, Salomao DR, Orvidas LJ. Cat-scratch disease of the head and neck in a pediatric population: surgical indications and outcomes. *Otolaryngol Head Neck Surg.* 2008 Sep;139(3):358-63.

Munter S, Way M, Frischknecht F. Signaling during pathogen infection. *Sci STKE.* 2006;2006(335):re5.

Murakami K, Tsukahara M, Tsuneoka H, et al. Cat scratch disease: analysis of 130 seropositive cases. *J Infect Chemother.* 2002;8(4):349-352.

Murray MA, Zamecki KJ, Paskowski J, Lelli GJ Jr. Ocular bacillary angiomatosis in an immunocompromised man. *Ophthal Plast Reconstr Surg.* 2010 Sep-Oct;26(5):371-2.

Murray MT. Encyclopedia of Nutritional Supplements. Prima; Rocklin, CA 1996;p.208-13.

Murray R, Morawetz R, Kepes J, el Gammal T, LeDoux M. Lyme neuroborreliosis manifesting as an intracranial mass lesion. Neurosurgery, 30(5):769-73. 1992.

Murray TS, Shapiro ED. Lyme disease. Clin Lab Med. 2010 Mar;30(1):311-28. Review.

Mursic VP, Wanner G, Reinhardt S, Wilske B, Busch U, Marget W. Formation and cultivation of *Borrelia burgdorferi* spheroplast L-form variants. 1996. Infection, 24(3):218-26.

Murthy SN, Faden HS, Cohen ME, Bakshi R. Acute disseminated encephalomyelitis in children. Pediatrics. 2002 Aug;110(2 Pt 1):e21.

Musto P, Falcone A, Sanpaolo G, et al. Heterogeneity of response to imatinib-mesylate (glivec) in patients with hypereosinophilic syndrome: implications for dosing and pathogenesis. Leuk Lymphoma. 2004;45(6):1219-1222.

Myers TA, Kaushal D, Philipp MT. Microglia Are Mediators of *Borrelia burgdorferi*-Induced Apoptosis in SH-SY5Y Neuronal Cells. PLoS Pathog. 2009 Nov;5(11):e1000659. Epub 2009 Nov 13.

Mygland A, Skarpaas T, Ljøstad U. Chronic polyneuropathy and Lyme disease. Eur J Neurol. 2006 Nov;13(11):1213-5.

Myint KS, Gibbons RV, Iverson J, Shrestha SK, Pavlin JA, Mongkolsirichaikul D, Kosoy MY. Serological response to *Bartonella* species in febrile patients from Nepal. Trans R Soc Trop Med Hyg. 2011 Sep 26. [Epub ahead of print]

Mylonakis, E. When to suspect and how to monitor babesiosis. American Family Physician. 2001;63:1969-74.

Mylonakis ME, Koutinas AF, Breitschwerdt EB, Hegarty BC, Billinis CD, Leontides LS, Kontos VS. Chronic canine ehrlichiosis (*Ehrlichia canis*): a retrospective study of 19 natural cases. *J Am Anim Hosp Assoc.* 2004 May-Jun;40(3):174-84.

Na-Bangchang K, Krudsood S, Silachamroon U, Molunto P, Tasanor O, Chalermrut K, Tangpukdee N, Matangkasombut O, Kano S, Looareesuwan S. The pharmacokinetics of oral dihydroartemisinin and artesunate in healthy Thai volunteers. *Southeast Asian J Trop Med Public Health.* 2004 Sept;35(3):575-82.

Naber CK, Erbel R. Infective endocarditis with negative blood cultures. *Int J Antimicrob Agents.* 2007 Nov;30 Suppl 1:S32-6. Epub 2007 Sep 24. Review.

Nadelman RB, Arlin Z, Wormser GP. Life-threatening complications of empiric ceftriaxone therapy for 'seronegative Lyme disease'. *South Med J.* 1991 Oct;84(10):1263-5.

Nadelman RB, Herman E, Wormser GP. Screening for Lyme disease in hospitalized psychiatric patients: prospective serosurvey in an endemic area. *Mt Sinai J Med.* 1997 Nov;64(6):409-12.

Nadelman RB, Horowitz HW, Hsieh TC, Wu JM, Aguero-Rosenfeld ME, Schwartz I, Nowakowski J, Varde S, Wormser GP. Simultaneous human granulocytic ehrlichiosis and Lyme borreliosis. *N Engl J Med.* 1997 Jul 3;337(1):27-30.

Nadelman RB, Luger SW, Frank E, Wisniewski M, Collins JJ, Wormser GP. Comparison of cefuroxime axetil and doxycycline in the treatment of early Lyme disease. *Ann Intern Med.* 1992 Aug 15;117(4):273-80.

Nadelman RB, Nowakowski J, Fish D, Falco RC, Freeman K, McKenna D, Welch P, Marcus R, Agüero-Rosenfeld ME, Dennis DT, Wormser GP; Tick Bite Study Group. Prophylaxis with single-dose doxycycline for the prevention of Lyme disease after an *Ixodes scapularis* tick bite. *N Engl J Med.* 2001 Jul 12;345(2):79-84.

Nadelman RB, Nowakowski J, Forseter G, Bittker S, Cooper D, Goldberg N, McKenna D, Wormser GP. Failure to isolate *Borrelia burgdorferi* after antimicrobial therapy in culture-documented Lyme borreliosis associated with erythema migrans: report of a prospective study. *Am J Med.* 1993 Jun;94(6):583-8.

Nadelman RB, Nowakowski J, Forseter G, Goldberg NS, Bittker S, Cooper D, Aguero-Rosenfeld M, Wormser GP. The clinical spectrum of early Lyme borreliosis in patients with culture-confirmed erythema migrans. *Am J Med.* 1996 May;100(5):502-8.

Nadelman RB, Nowakowski J, Horowitz HW, Strle F, Wormser GP. Thrombocytopenia and *Borrelia burgdorferi*: an association remains unproven. *Clin Infect Dis.* 1999 Dec;29(6):1603-5.

Nadelman RD, Nowakowski J, Wormser GP. Can Lyme borreliosis be prevented after tick bite? *Lancet.* 1993 Oct 23;342(8878):1052.

Nadelman RB, Nowakowski J, Wormser GP. A Lyme disease controversy: duration of treatment. *Arch Intern Med.* 1997 Mar 24;157(6):697, 700.

Nadelman RB, Nowakowski J, Wormser GP, Schwartz I. How should viability of *Borrelia burgdorferi* be demonstrated? *Am J Med.* 1999 Apr;106(4):491-2.

Nadelman RB, Pavia CS, Magnarelli LA, Wormser GP. Isolation of *Borrelia burgdorferi* from the blood of seven patients with Lyme disease. *Am J Med.* 1990 Jan;88(1):21-6.

Nadelman RB, Schwartz I, Wormser GP. Detecting *Borrelia burgdorferi* in blood from patients with Lyme disease. *J Infect Dis.* 1994 Jun;169(6):1410-1.

Nadelman RB, Sherer C, Mack L, Pavia CS, Wormser GP. Survival of *Borrelia burgdorferi* in human blood stored under blood banking conditions. *Transfusion.* 1990 May;30(4):298-301.

Nadelman RB, Sivak S, Wormser GP. Prevention of Lyme disease after tick bites. *N Engl J Med.* 1993 Jan 14;328(2):137; author reply 138-9.

Nadelman RB, Strle F, Horowitz HW, Agger WA, Wormser GP. Leukopenia, thrombocytopenia, and Lyme borreliosis: is there an association? *Clin Infect Dis.* 1997 May;24(5):1027-9.

Nadelman RB, Wormser GP. A clinical approach to Lyme disease. *Mt Sinai J Med.* 1990 May;57(3):144-56. Review.

Nadelman RB, Wormser GP. Erythema migrans and early Lyme disease. *Am J Med.* 1995 Apr 24;98(4A):15S-23S; discussion 23S-24S. Review.

Nadelman RB, Wormser GP. Lyme borreliosis. *Lancet.* 1998 Aug 15;352(9127):557-65. Review.

Nadelman RB, Wormser GP. Recognition and treatment of erythema migrans: are we off target? *Ann Intern Med.* 2002 Mar 19;136(6):477-9.

Nadelman RB, Wormser GP. Poly-ticks: Blue State versus Red State for Lyme disease. *Lancet.* 2005 Jan 22-28;365(9456):280.

Nadelman RB, Wormser GP. Reinfection in patients with Lyme disease. *Clin Infect Dis.* 2007 Oct 15;45(8):1032-8. Epub 2007 Sep 11. Review.

Nagao E, Arie T, Dorward DW, Fairhurst RM, Dvorak JA. The avian malaria parasite Plasmodium gallinaceum causes marked structural changes on the surface of its host erythrocyte. *J Struct Biol.* 2008 Jun;162(3):460-7. Epub 2008 Mar 21.

Nagi KS, Joshi R, Thakur RK. Cardiac manifestations of Lyme disease: a review. *Can J Cardiol.*, 12(5):503-6. 1996.

Naik RS, Krishnegowda G, Gowda DC. Glucosamine inhibits inositol acylation of the glycosylphosphatidylinositol anchors in itraerythrocytic Plasmodium falciparum. *J Biol Chem.* 2003;278:2036-42.

Nakajima R, Tsuji M, Oda K, Zamoto-Niikura A, Wei Q, Kawabuchi-Kurata T, Nishida A, Ishihara C. Babesia microti-group parasites compared phylogenetically by complete sequencing of the CCTeta gene in 36 isolates. *J Vet Med Sci.* 2009 Jan;71(1):55-68.

Nakao M, Miyamoto K. Susceptibility of *Ixodes persulcatus* and *I. ovatus* (Acari: Ixodidae) to Lyme disease spirochetes isolated from humans in Japan. *J Med Entomol.* 1994 May;31(3):467-73.

Nakao M, Miyamoto K. Mixed infection of different *Borrelia* species among *Apodemus speciosus* mice in Hokkaido, Japan. *J Clin Microbiol.* 1995 Feb;33(2):490-2.

Nakao M, Miyamoto K, Fukunaga M. Lyme disease spirochetes in Japan: enzootic transmission cycles in birds, rodents, and *Ixodes persulcatus* ticks. *J Infect Dis.* 1994 Oct;170(4):878-82.

Nakao M, Miyamoto K, Fukunaga M. *Borrelia japonica* in nature: genotypic identification of spirochetes isolated from Japanese small mammals. *Microbiol Immunol.* 1994;38(10):805-8.

Nakao M, Miyamoto K, Fukunaga M, Hashimoto Y, Takahashi H. Comparative studies on *Borrelia afzelii* isolated from a patient of Lyme disease, *Ixodes persulcatus* ticks, and *Apodemus speciosus* rodents in Japan. *Microbiol Immunol.* 1994;38(6):413-20.

Nakao M, Miyamoto K, Kawagishi N, Hashimoto Y, Iizuka H. Comparison of *Borrelia burgdorferi* isolated from humans and ixodid ticks in Hokkaido, Japan. *Microbiol Immunol.* 1992;36(11):1189-93.

Nakao M, Miyamoto K, Uchikawa K, Fujita H. Characterization of *Borrelia burgdorferi* isolated from *Ixodes persulcatus* and *Ixodes ovatus* ticks in Japan. *Am J Trop Med Hyg.* 1992 Oct;47(4):505-11.

Nanagara R, Duray PH, Schumacher HR Jr. Ultrastructural demonstration of spirochetal antigens in synovial fluid and synovial membrane in chronic Lyme disease: possible factors contributing to persistence of organisms. *Human Pathology*, 27(10):1025-34. 1996.

Nandakumar DN, Nagaraj VA, Vathsala PG, Rangarajan P, Padmanaban G. Curcumin-artemisinin combination therapy for malaria. *Antimicrob Agents Chemother*. 2006 May;50(5):1859-60.

Nasveld P, Kitchener S. Treatment of acute vivax malaria with tafenoquine. *Trans R Soc Trop Med Hyg*. 2005 Jan;99(1):2-5.

Nealon C, Dzeing A, Muller-Romer U, Planche T, Sinou V, Kombila M, Kremsner PG, Parzy D, Krishna S. Intramuscular bioavailability and clinical efficacy of artesunate in gabonese children with severe malaria. *Antimicrob Agents Chemother*. 2002 Dec;46(12):3933-9.

Neelakanta G, Sultana H, Fish D, Anderson JF, Fikrig E. Anaplasma phagocytophilum induces Ixodes scapularis ticks to express an antifreeze glycoprotein gene that enhances their survival in the cold. *J Clin Invest*. 2010 September 1; 120(9): 3179–3190. Published online 2010 August 25.

Nelder MP, Reeves WK, Adler PH, Wozniak A, Wills W. Ectoparasites and associated pathogens of free-roaming and captive animals in zoos of South Carolina. *Vector Borne Zoonotic Dis*. 2009 Oct;9(5):469-77.

Nghiem PP, Schatzberg SJ. Conventional and molecular diagnostic testing for the acute neurologic patient. *J Vet Emerg Crit Care (San Antonio)*. 2010 Feb;20(1):46-61. Review. Erratum in: *J Vet Emerg Crit Care (San Antonio)*. 2010 Oct;20(5):538.

Ngo V, Civen R. Babesiosis acquired through blood transfusion, California, USA. *Emerg Infect Dis*. 2009 May;15(5):785-7.

Nicolas X, Granier H, Zagnoli F, Bellard S. Lyme borreliosis hepatitis. *Presse Med*, 23;31(7):319. 2002.

Nichol G, Dennis DT, Steere AC, Lightfoot R, Wells G, Shea B, Tugwell P. Test-treatment strategies for patients suspected of having Lyme disease: a cost-effectiveness analysis. *Ann Intern Med.* 1998 Jan 1;128(1):37-48.

Nicholson GT, Walsh CA, Madan RP. Transfusion-associated babesiosis in a 7-month-old infant after bidirectional Glenn procedure. *Congenit Heart Dis.* 2010 Nov-Dec;5(6):607-13.

Nields JA, Fallon BA, Jastreboff PJ. Carbamazepine in the treatment of Lyme disease-induced hyperacusis. *J Neuropsychiatry Clin Neurosci.* 1999 Winter;11(1):97-9.

Nishio N, Kubota T, Nakao Y, Hidaka H. Cat scratch disease with encephalopathy in a 9-year-old girl. *Pediatr Int.* 2008 Dec;50(6):823-4. Erratum in: *Pediatr Int.* 2009 Apr;51(2):318. Kubuta, Toshiko [corrected to Kubota, Toshiko].

Niu Q, Guan G, Yang J, Fu Y, Xu Z, Li Y, Ma M, Liu Z, Liu J, Liu A, Ren Q, Jorgensen W, Luo J, Yin H. Detection and differentiation of *Borrelia burgdorferi* sensu lato in ticks collected from sheep and cattle in China. *BMC Vet Res.* 2011 Apr 29;7:17.

Nocton JJ, Bloom BJ, Rutledge BJ, Persing DH, Logigian EL, Schmid CH, Steere AC. Detection of *Borrelia burgdorferi* DNA by polymerase chain reaction in cerebrospinal fluid in Lyme neuroborreliosis. *J Infect Dis.* 1996 Sep;174(3):623-7.

Nocton JJ, Dressler F, Rutledge BJ, Rys PN, Persing DH, Steere AC. Detection of *Borrelia burgdorferi* DNA by polymerase chain reaction in synovial fluid from patients with Lyme arthritis. *N Engl J Med.* 1994 Jan 27;330(4):229-34.

Nocton JJ, Steere AC. Lyme disease. *Adv Intern Med.* 1995;40:69-117. Review.

Noguchi H. A method for the pure cultivation of pathogenic Treponema pallidum. *Journal of Experimental Medicine*, XIV:99-112. 1911.

Nontprasert A, Pukrittayakamee S, Prakongpan S, Supanaranond W, Looareesuwan S, White NJ. Assessment of the neurotoxicity of oral dihydroartemisinin in mice. *Trans R Soc Trop Med Hyg*. 2002 Jan-Feb;96(1):99-101.

Nord JA, Karter D. Lyme disease complicated with pseudotumor cerebri. *Clinical Infectious Diseases*, 37(2):E25-6. 2003.

Norgard MV, Arndt LL, Akins DR, Curety LL, Harrich DA, Radolf JD. Activation of human monocytic cells by *Treponema pallidum* and *Borrelia burgdorferi* lipoproteins and synthetic lipopeptides proceeds via a pathway distinct from that of lipopolysaccharide but involves the transcriptional activator NF-kappa B. *Infect Immun*. 1996 Sep;64(9):3845-52.

Norris SJ, Howell JK, Odeh EA, Lin T, Gao L, Edmondson DG. High-throughput plasmid content analysis of *Borrelia burgdorferi* B31 by using Luminex multiplex technology. *Appl Environ Microbiol*. 2011 Feb;77(4):1483-92. Epub 2010 Dec 17.

Nowakowski J, McKenna D, Nadelman RB, Bittker S, Cooper D, Pavia C, Holmgren D, Visintainer P, Wormser GP. Blood cultures for patients with extracutaneous manifestations of Lyme disease in the United States. *Clin Infect Dis*. 2009 Dec 1;49(11):1733-5.

Nowakowski J, McKenna D, Nadelman RB, Cooper D, Bittker S, Holmgren D, Pavia C, Johnson RC, Wormser GP. Failure of treatment with cephalexin for Lyme disease. *Arch Fam Med*. 2000 Jun;9(6):563-7.

Nowakowski J, Nadelman RB, Forster G, McKenna D, Wormser GP. Doxycycline versus tetracycline therapy for Lyme disease associated with erythema migrans. *J Am Acad Dermatol*. 1995 Feb;32(2 Pt 1):223-7.

Nowakowski J, Nadelman RB, Sell R, McKenna D, Cavaliere LF, Holmgren D, Gaidici A, Wormser GP. Long-term follow-up of patients with culture-confirmed Lyme disease. *Am J Med.* 2003 Aug 1;115(2):91-6.

Nowakowski J, Schwartz I, Liveris D, Wang G, Aguero-Rosenfeld ME, Girao G, McKenna D, Nadelman RB, Cavaliere LF, Wormser GP; Lyme Disease Study Group. Laboratory diagnostic techniques for patients with early Lyme disease associated with erythema migrans: a comparison of different techniques. *Clin Infect Dis.* 2001 Dec 15;33(12):2023-7. Epub 2001 Nov 7.

Nowakowski J, Schwartz I, Nadelman RB, Liveris D, Aguero-Rosenfeld M, Wormser GP. Culture-confirmed infection and reinfection with *Borrelia burgdorferi*. *Ann Intern Med.* 1997 Jul 15;127(2):130-2.

Ntchobo H, Rothermel H, Chege W, Steere AC, Coburn J. Recognition of multiple antibody epitopes throughout *Borrelia burgdorferi* p66, a candidate adhesin, in patients with early or late manifestations of Lyme disease. *Infect Immun.* 2001 Mar;69(3):1953-6.

Nussbaum G, Ben-Adi S, Genzler T, Sela M, Rosen G. Involvement of Toll-Like Receptors 2 and 4 in the Innate Immune Response to *Treponema denticola* and Its Outer Sheath Components. *Infect Immun.* 2009 September; 77(9): 3939–3947. Published online 2009 July 13.

Nutter FB, Dubey JP, Levine JF, Breitschwerdt EB, Ford RB, Stoskopf MK. Seroprevalences of antibodies against *Bartonella henselae* and *Toxoplasma gondii* and fecal shedding of *Cryptosporidium* spp, *Giardia* spp, and *Toxocara cati* in feral and pet domestic cats. *J Am Vet Med Assoc.* 2004 Nov 1;225(9):1394-8.

Odenthal M, Koenig S, Farbrother P, Drebber U, Bury Y, Dienes HP, Eichinger L. Detection of opportunistic infections by low-density microarrays: a diagnostic approach for granulomatous lymphadenitis. *Diagn Mol Pathol.* 2007 Mar;16(1):18-26.

Ogden NH, Margos G, Aanensen DM, Drebot MA, Feil EJ, Hanincová K, Schwartz I, Tyler S, Lindsay LR. Investigation of genotypes of *Borrelia burgdorferi* in *Ixodes scapularis* ticks collected during surveillance in Canada. *Appl Environ Microbiol.* 2011 May;77(10):3244-54. Epub 2011 Mar 18.

Ogden NH, St-Onge L, Barker IK, Brazeau S, Bigras-Poulin M, Charron DF, Francis CM, Heagy A, Lindsay LR, Maarouf A, Michel P, Milord F, O'Callaghan CJ, Trudel L, Thompson RA. Risk maps for range expansion of the Lyme disease vector, *Ixodes scapularis*, in Canada now and with climate change. *Int J Health Geogr.* 2008; 7: 24. Published online 2008 May 22.

Ogura K, Hara Y, Tsukahara H, Maeda M, Tsukahara M, Mayumi M. MR signal changes in a child with cat scratch disease encephalopathy and status epilepticus. *Eur Neurol.* 2004;51(2):109-10. Epub 2004 Feb 11.

Ohad DG, Morick D, Avidor B, Harrus S. Molecular detection of *Bartonella henselae* and *Bartonella koehlerae* from aortic valves of Boxer dogs with infective endocarditis. *Vet Microbiol.* 2010 Feb 24;141(1-2):182-5. Epub 2009 Aug 8.

Ohmori S, Kawai A, Takada N, Saito-Ito A. Development of real-time PCR assay for differential detection and quantification for multiple *Babesia microti*-genotypes. *Parasitol Int.* 2011 Jun 25. [Epub ahead of print]

Ohnishi K, Murata M. Malaria—eight years of experience in a Tokyo metropolitan hospital. *Intern Med.* 1996 Feb;35(2):111-4.

Ohrt C, Purnomo, Sutamihardja MA, Tang D, Kain KC. Impact of microscopy error on estimates of protective efficacy in malaria-prevention trials. *J Infect Dis.* 2002 Aug;186(4):540-6. [Epub. 2002 Aug 2].

Ohrt C, Willingmyre GD, Lee P, Knirsch C, Milhous W. Assessment of azithromycin in combination with other antimalarial drugs against *Plasmodium falciparum* in vitro. *Antimicrob Agents Chemother.* 2002 Aug;46;(8):2518-24.

Oksi J, Kalimo H, Marttila RJ, Marjamaki M, Sonninen P, et al. Inflammatory brain changes in Lyme borreliosis: A report on three patients and review of literature. *Brain,* 119 ( Pt 6):2143-54. 1996.

Oksi J, Kalimo H, Marttila RJ, Marjamaki M, Sonninen P, Nikoskelainen J, Viljanen MK. Intracranial aneurysms in three patients with disseminated Lyme borreliosis: cause or chance association? *J Neurol Neurosurg Psychiatry,* 64(5):636-42. 1998.

Oksi J, Marjamaki M, Nikoskelainen J, Viljanen MK. *Borrelia burgdorferi* detected by culture and PCR in clinical relapse of disseminated Lyme Borreliosis. *Annals of Medicine,* 31(3):225-32. 1999.

Oksi J, Marttila H, Soini H, Aho H, et al. Early dissemination of *Borrelia burgdorferi* without generalized symptoms in patients with erythema migrans. *APMIS,* 109(9):581-8. 2001.

Oksi J, Mertsola J, Reunanan M, Marjamaki M, Viljanen MK. Subacute multiple-site osteomyelitis caused by *Borrelia burgdorferi.* *Clin Infect Dis,* 19(5):891-6. 1994.

Oksi J, Nikoskelainen J, Viljanen MK. Comparison of oral cefixime and intravenous ceftriaxone followed by oral amoxicillin in disseminated Lyme borreliosis. *Eur J Clin Microbiol Infec Dis* 17:715-19, 1998.

Oksi J, Viljanen MK, Kalimo H, Peltonen R, Marttila R, et al. Fatal encephalitis caused by concomitant infection with tick-borne encephalitis virus and *Borrelia burgdorferi.* *Clinical Infectious Diseases,* 16(3):392-6. 1993.

Oksi J, Voipio-Pulkki L-M, Uksila J, Pulkki K, Laippala P, Viljanen MK. *Borrelia burgdorferi* infection in patients with suspected acute myocardial infarction. *Lancet*, 350(9089):1447-8. 1997.

Oleson CV, Sivalingam JJ, O'Neill BJ, Staas WE Jr. Transverse myelitis secondary to coexistent Lyme disease and babesiosis. *J Spinal Cord Med*, 26(2):168-71. 2003.

Olivares JP, Pallas F, Ceccaldi M, Viton JM, Raoult D, Planche D, Delarque A. Lyme disease presenting as isolated acute urinary retention caused by transverse myelitis: an electrophysiological and urodynamical study. *Arch Phys Med Rehabil*, 76(12):1171-2. 1995.

Oliveira AM, Maggi RG, Woods CW, Breitschwerdt EB. Suspected needle stick transmission of *Bartonella vinsonii* subspecies *berkhoffii* to a veterinarian. *J Vet Intern Med*. 2010 Sep-Oct;24(5):1229-32. Epub 2010 Jul 28.

Oliveira TM, Furuta PI, de Carvalho D, Machado RZ. A study of cross-reactivity in serum samples from dogs positive for *Leishmania* sp., *Babesia canis* and *Ehrlichia canis* in enzyme-linked immunosorbent assay and indirect fluorescent antibody test. *Rev Bras Parasitol Vet*. 2008 Jan-Mar;17(1):7-11.

Olliaro PL, Nair NK, Sathasivam K, Mansor SM, Navaratnam V. Pharmacokinetics of artesunate after single oral administration to rats. *BMC Pharmacol*. 2001;1:12. [Epub. 2001 Dec 20].

Olsen A, Nawiri J, Magnussen P, Krarup H, Friis H. Failure of twice-weekly iron supplementation to increase blood haemoglobin and serum ferritin concentrations: results of a randomized controlled trial. *Ann Trop Med Parasitol*. 2006 Apr;100(3):251-63.

Olson J, Esterly NB. Urticular vasculitis and Lyme disease. *J Am Acad Dermatol*, 22(6), Part 1:1114-1116. 1990.

Onk G, Acun C, Kalayci M, Cagavi F, et al. Gestational Lyme disease as a rare cause of congenital hydrocephalus. J Turkish German Gynecology Association Artemis, 6(2):156-157. 2005.

Ooka H, Terkawi MA, Goo YK, Luo Y, Li Y, Yamagishi J, Nishikawa Y, Igarashi I, Xuan X. Babesia microti: molecular and antigenic characterizations of a novel 94-kDa protein (BmP94). Exp Parasitol. 2011 Jan;127(1):287-93. Epub 2010 Jun 25.

Oosting M, Ter Hofstede H, Sturm P, Adema GJ, Kullberg BJ, van der Meer JW, Netea MG, Joosten LA. TLR1/TLR2 Heterodimers Play an Important Role in the Recognition of Borrelia Spirochetes. PLoS One. 2011; 6(10): e25998. Published online 2011 October 5.

Oosting M, Ter Hofstede H, van de Veerdonk FL, Sturm P, Kullberg BJ, van der Meer JW, Netea MG, Joosten LA. Role of the IL-23 receptor signaling for IL-17 responses in human Lyme disease. Infect Immun. 2011 Sep 6. [Epub ahead of print]

Oosting M, van de Veerdonk FL, Kanneganti TD, Sturm P, Verschueren I, Berende A, van der Meer JW, Kullberg BJ, Netea MG, Joosten LA. Borrelia species induce inflammasome activation and IL-17 production through a caspase-1-dependent mechanism. Eur J Immunol. 2011 Jan;41(1):172-81. Epub 2010 Dec 9.

Orinda GO, Waltisbuhl DJ, Young AS, Wright IG. Low doses of natural human interferon alpha inhibit the development of Babesia microti infection in BALB/c mice. Vet Parasitol. 1994;53(1-2):53-58.

O'Rourke LG, Pitulle C, Hegarty BC, Kraycik S, Killary KA, Grosenstein P, Brown JW, Breitschwerdt EB. Bartonella quintana in cynomolgus monkey (*Macaca fascicularis*). Emerg Infect Dis. 2005 Dec;11(12):1931-4.

O'Rourke F, Schmidgen T, Kaiser PO, Linke D, Kempf VA. Adhesins of *Bartonella* spp. Adv Exp Med Biol. 2011;715:51-70. Review.

- Oscarsson J, Karched M, Thay B, Chen C, Asikainen S. Proinflammatory effect in whole blood by free soluble bacterial components released from planktonic and biofilm cells. *BMC Microbiol.* 2008; 8: 206. Published online 2008 November 27.
- Osorno BM, Vega C, Ristic M, et al. Isolation of Babesia spp. from asymptomatic human beings. *Vet. Parasitol.* 1976;2:111-120.
- Osterhoudt KC, Zaoutis T, Zorc JJ. Lyme disease masquerading as brown recluse spider bite. *Annals of Emergency Medicine*, 39(5):558-561. 2002.
- Oteo JA, Castilla A, Arosey A, Blanco JR, Ibarra V, Morano LE. [Endocarditis due to Bartonella spp. Three new clinical cases and Spanish literature review].[Article in Spanish]. *Enferm Infect Microbiol Clin.* 2006 May;24(5):297-301. Review.
- Otranto D, de Caprariis D, Lia RP, Tarallo V, Lorusso V, Testini G, Dantas-Torres F, Latrofa S, Diniz PP, Mencke N, Maggi RG, Breitschwerdt E, Capelli G, Stanneck D. Prevention of endemic canine vector-borne diseases using imidacloprid 10% and permethrin 50% in young dogs: a longitudinal field study. *Vet Parasitol.* 2010 Sep 20;172(3-4):323-32. Epub 2010 May 25.
- Ouyang Z, Deka RK, Norgard MV. BosR (BB0647) controls the RpoN-RpoS regulatory pathway and virulence expression in *Borrelia burgdorferi* by a novel DNA-binding mechanism. *PLoS Pathog.* 2011 Feb 10;7(2):e1001272.
- Ovcinnikov NM, Delectorsku VV. Current concepts of the morphology and biology of *Treponema pallidum* based on electron microscopy. *British Journal of Venereal Diseases*, 47:315-328. 1971.
- Ovcinnikov NM, Delectorsku VV. Further studies of the morphology of *Treponema pallidum* under the electron microscope. *British Journal of Venereal Diseases*, Jun;45(2):87-116. 1969.

Ovcinnikov NM, Delectorsku VV. Further study of ultrathin sections of *Treponema pallidum* under the electron microscope. British Journal of Venereal Diseases, 44:1-34. 1968.

Ovcinnikov NM, Delectorsku VV. Morphology of *Treponema pallidum*. British Journal of Venereal Diseases, 35:223-229. 1966.

Pachner AR. Early disseminated Lyme disease. American Journal of Medicine 1995;98 (suppl):4A-30S-43S.

Pachner AR, Steere AC, Sigal LH, Johnson CJ. Antigen-specific proliferation of CSF lymphocytes in Lyme disease. Neurology. 1985 Nov;35(11):1642-4.

Pachner AR, Steere AC. The triad of neurologic manifestations of Lyme disease: meningitis, cranial neuritis, and radiculoneuritis. Neurology. 1985 Jan;35(1):47-53.

Pachner AR, Steere AC. Neurological findings of Lyme disease. Yale J Biol Med. 1984 Jul-Aug;57(4):481-3.

Pachner AR, Steere AC. CNS manifestations of third stage Lyme disease. Zentralbl Bakteriol Mikrobiol Hyg A. 1987 Feb;263(3):301-6.

Pachner AR, Duray P, Steere AC. Central nervous system manifestations of Lyme disease. Arch Neurol. 1989 Jul;46(7):790-5.

Pachner AR, Steere AC. Neurologic involvement in the third stage of Lyme disease: CNS manifestations can mimic multiple sclerosis and psychiatric illness. [poster presentation] Neurology, 36(suppl 1):286. 1986.

Pachner AR. Neurologic manifestations of Lyme disease, the new “Great Imitator.” Rev Inf Dis 1989;Vol. 11(Suppl 6):S1482-6.

Pachner AR. *Borrelia burgdorferi* in the nervous system: the new “great imitator”. Annals of the New York Academy of Sciences, 539:56-64. 1988.

Pachner AR, Delaney E, O'Neill T. Neuroborreliosis in the nonhuman primate: *Borrelia burgdorferi* persists in the central nervous system. *Annals of Neurology*, 38:667-9. 1995.

Paik IH, Xie S, Shapiro TA, Labonte T, Narducci Sarjeant AA, Baege AC, Posner GH. Second generation, orally active, antimarial, artemisinin-derived trioxane dimers with high stability, efficacy, and anticancer activity. *J Med Chem*. 2006;49:2731-4.

Paitoonpong L, Chitsomkasem A, Chantrakooptungool S, Kanjanahareutai S, Tribuddharat C, Srifuengfung S. *Bartonella henselae*: first reported isolate in a human in Thailand. *Southeast Asian J Trop Med Public Health*. 2008 Jan;39(1):123-9.

Pal U, Wang P, Bao F, Yang X, Samanta S, Schoen R, Wormser GP, Schwartz I, Fikrig E. *Borrelia burgdorferi* basic membrane proteins A and B participate in the genesis of Lyme arthritis. *J Exp Med*. 2008 Jan 21;205(1):133-41. Epub 2007 Dec 31.

Palanivelu DV, Goepfert A, Meury M, Guye P, Dehio C, Schirmer T. Fic domain-catalyzed adenyllylation: insight provided by the structural analysis of the type IV secretion system effector BepA. *Protein Sci*. 2011 Mar;20(3):492-9. Epub 2011 Feb 17.

Palumbo E, Sodini F, Boscarelli G, Nasca G, Branchi M, Pellegrini G. Immune thrombocytopenic purpura as a complication of *Bartonella henselae* infection. *Infez Med*. 2008 Jun;16(2):99-102.

Pancewicz S, Moniuszko A, Bieniarz E, Puciło K, Grygorczuk S, Zajkowska J, Czupryna P, Kondrusik M, Swierzbińska-Pijanowska R. Anti-Babesia microti antibodies in foresters highly exposed to tick bites in Poland. *Scand J Infect Dis*. 2011 Mar;43(3):197-201. Epub 2010 Dec 9.

Pandak N, Daković-Rode O, Cabraja I, Kristof Z, Kotarac S. Prevalence of *Bartonella henselae* antibodies in children and blood donors in Croatia. *Infection*. 2009 Apr;37(2):166-7. Epub 2009 Mar 9.

Panossian LA, Garga NI, Pelletier D. Toxic brainstem encephalopathy after artemisinin treatment for breast cancer. Ann. Neurol 2005;56:812-813.

Papadopoulou E, Michailidi E, Papadopoulou E, Paspalaki P, Vlahakis I, Kalmanti M. Cervical lymphadenopathy in childhood epidemiology and management. Pediatr Hematol Oncol. 2009 Sep;26(6):454-60.

Papagrigorakis MJ, Yapijkis C, Synodinos PN, Baziopoulou-Valavani E. DNA examination of ancient dental pulp incriminates typhoid fever as a probable cause of the Plague of Athens. Int J Infect Dis. 2006 May;10(3):206-14. Epub 2006 Jan 18.

Pape M, Kollaras P, Mandraveli K, Tsona A, Metallidis S, Nikolaidis P, Alexiou-Daniel S. Occurrence of *Bartonella henselae* and *Bartonella quintana* among human immunodeficiency virus-infected patients. Ann N Y Acad Sci. 2005 Dec;1063:299-301.

Pape M, Mandraveli K, Alexiou-Daniel S. Clinical aspects of *Bartonella* infection in northern Greece. Clin Microbiol Infect. 2009 Dec;15 Suppl 2:91-2. Epub 2009 May 18.

Pappalardo BL, Brown T, Gebhardt D, Sontakke S, Breitschwerdt EB. Cyclic CD8+ lymphopenia in dogs experimentally infected with *Bartonella vinsonii* subsp. *berkhoffii*. Vet Immunol Immunopathol. 2000 Jun 30;75(1-2):43-57.

Pappalardo BL, Brown T, Gookin JL, Morrill CL, Breitschwerdt EB. Granulomatous disease associated with *Bartonella* infection in 2 dogs. J Vet Intern Med. 2000 Jan-Feb;14(1):37-42.

Pappalardo BL, Brown TT, Tompkins M, Breitschwerdt EB. Immunopathology of *Bartonella vinsonii* (*berkhoffii*) in experimentally infected dogs. Vet Immunol Immunopathol. 2001 Dec;83(3-4):125-47.

Pappalardo BL, Correa MT, York CC, Peat CY, Breitschwerdt EB. Epidemiologic evaluation of the risk factors associated with exposure and seroreactivity to *Bartonella vinsonii* in dogs. Am J Vet Res. 1997 May;58(5):467-71.

Pappas CJ, Iyer R, Petzke MM, Caimano MJ, Radolf JD, Schwartz I. *Borrelia burgdorferi* requires glycerol for maximum fitness during the tick phase of the enzootic cycle. PLoS Pathog. 2011 Jul;7(7):e1002102. Epub 2011 Jul 7.

Parapini S, Basilico N, Mondani M, et al. Evidence that haem iron in the malaria parasite is not needed for the antimalarial effects of artemisinin. FEBS Lett. 2004;575:p.91-94.

Parkhomenko IuG, Tishkevich OA, Barkhina TG, Potekaev SN, Potekaev NS. [Bacillary generalized angiomyomatosis in HIV infection]. [Article in Russian]. Arkh Patol. 1998 Sep-Oct;60(5):66-8.

Parkins MD, Deirdre L Church DL, Xiu Yan Jiang XY, Daniel B Gregson DB Human granulocytic anaplasmosis: First reported case in Canada. Can J Infect Dis Med Microbiol. 2009 Autumn; 20(3): e100–e102.

Parola P, Fournier PE, Raoult D. *Bartonella quintana*, lice, and molecular tools. J Med Entomol. 2006 Sep;43(5):787; author reply 788.

Parola P, Sanogo OY, Lerdthusnee K, Zeaiter Z, Chauvancy G, Gonzalez JP, Miller RS, Telford SR 3rd, Wongsrichanalai C, Raoult D. Identification of *Rickettsia* spp. and *Bartonella* spp. in ffrom the Thai-Myanmar border. Ann N Y Acad Sci. 2003 Jun;990:173-81.

Parola P, Shpynov S, Montoya M, Lopez M, Houpikian P, Zeaiter Z, Guerra H, Raoult D. First molecular evidence of new *Bartonella* spp. in fleas and a tick from Peru. Am J Trop Med Hyg. 2002 Aug;67(2):135-6.

Parrott JH, Dure L, Sullender W, Buraphacheep W, Frye TA, Galliani CA, Marston E, Jones D, Regnery R. Central nervous system infection associated with *Bartonella quintana*: a report of two cases. *Pediatrics*. 1997 Sep;100(3 Pt 1):403-8.

Parrow NL, Abbott J, Lockwood AR, Battisti JM, Minnick MF. Function, regulation, and transcriptional organization of the hemin utilization locus of *Bartonella quintana*. *Infect Immun*. 2009 Jan;77(1):307-16. Epub 2008 Nov 3.

Parveen N, Cornell KA. Methylthioadenosine/S-adenosyl-homocysteine nucleosidase, a critical enzyme for bacterial metabolism. *Mol Microbiol*. 2011 Jan;79(1):7-20. Epub 2010 Nov 18. Review.

Pasini EM, Kirkegaard M, Mortensen P, Mann M, Thomas AW. Deep-coverage rhesus red blood cell proteome: a first comparison with the human and mouse red blood cell. *Blood Transfus*. 2010 Jun;8 Suppl 3:s126-39.

Pasticci MB, Di Candilo F, Egidi MA, Lapalorgia LM, Marroni M, Tinca E, Sfara C, Stagni G. *Bartonella henselae* lymphadenitis progressing to hepatosplenic disease with slow clinical response despite early diagnosis and treatment. *Int J Clin Pract*. 2008 Dec;62(12):1956-7. Epub 2007 Mar 1.

Patel SJ, Petrarca R, Shah SM, Zimmer-Galler I, Janjua KA, Do DV, Nguyen QD. Atypical *Bartonella hensalae* chorioretinitis in an immunocompromised patient. *Ocul Immunol Inflamm*. 2008 Jan-Feb;16(1):45-9.

Patial RK, Kashyap S, Bansal SK, Sood A. Lyme disease in a Shimla boy. *J Assoc Physicians India*. 1990 Jul;38(7):503-4.

Patton TG, Dietrich G, Dolan MC, Piesman J, Carroll JA, Gilmore RD Jr. Functional analysis of the *Borrelia burgdorferi* bba64 gene product in murine infection via tick infestation. *PLoS One*. 2011 May 3;6(5):e19536.

Pavia C, Inchiosa MA Jr, Wormser GP. Efficacy of short-course ceftriaxone therapy for *Borrelia burgdorferi* infection in C3H mice. *Antimicrob Agents Chemother.* 2002 Jan;46(1):132-4.

Pavia CS, Wormser GP, Bittker S, Cooper D. An indirect hemagglutination antibody test to detect antibodies to *Borrelia burgdorferi* in patients with Lyme disease. *J Microbiol Methods.* 2000 Apr;40(2):163-73.

Pavia CS, Wormser GP, Norman GL. Activity of sera from patients with Lyme disease against *Borrelia burgdorferi*. *Clin Infect Dis.* 1997 Jul;25 Suppl 1:S25-30.

Pavia CS, Wormser GP, Nowakowski J, Cacciapuoti A. Efficacy of an evernimicin (SCH27899) in vitro and in an animal model of Lyme disease. *Antimicrob Agents Chemother.* 2001 Mar;45(3):936-7.

Pavlovic D, Levic Z, Dmitrovic R, Ocic G. Chronic encephalomyelitis caused by *Borrelia burgdorferi*. Case report. [Article in Serbian]. *Glas Srp Akad Nauka [Med],* (43):225-8. 1993.

Pedersen BK. Sudden cardiac death in Swedish orienteers--a mystery solved? *Scand J Med Sci Sports.* 2001;11(5):259.

Pedersen BK. [Bartonella bacterium is suspected as the cause of sudden death among Swedish cross-country runners].[Article in Danish]. *Ugeskr Laeger.* 2001 May 21;163(21):2951.

Peltomaa M, McHugh G, Steere AC. Persistence of the antibody response to the VlsE sixth invariant region (IR6) peptide of *Borrelia burgdorferi* after successful antibiotic treatment of Lyme disease. *J Infect Dis.* 2003 Apr 15;187(8):1178-86. Epub 2003 Apr 2.

Peltomaa M, McHugh G, Steere AC. The VlsE (IR6) peptide ELISA in the serodiagnosis of lyme facial paralysis. *Otol Neurotol.* 2004 Sep;25(5):838-41.

Peltomaa M, Pyykkö I, Seppälä I, Viljanen M. Lyme borreliosis--an unusual cause of vertigo. *Auris Nasus Larynx*, 25:233-242. 1998.

Pelton SI, Kim JY, Kradin RL. Case records of the Massachusetts General Hospital. Case 27-2006. A 17-year-old boy with fever and lesions in the liver and spleen. *N Engl J Med*. 2006 Aug 31;355(9):941-8.

Pendle S, Ginn A, Iredell J. Antimicrobial susceptibility of *Bartonella henselae* using Etest methodology. *J Antimicrob Chemother*. 2006 Apr;57(4):761-3. Epub 2006 Feb 7.

Pendse S, Bilyk JR, Lee MS. The ticking time bomb. Survey of Ophthalmology, 51(3):274-9. 2006.

Pennisi MG, La Camera E, Giacobbe L, Orlandella BM, Lentini V, Zummo S, Fera MT. Molecular detection of *Bartonella henselae* and *Bartonella clarridgeiae* in clinical samples of pet cats from Southern Italy. *Res Vet Sci*. 2010 Jun;88(3):379-84. Epub 2009 Dec 5.

Penzhorn BL, Lewis BD, Lopez-Rebollar LM, Swan GE. Screening of five drugs for efficacy against *Babesia felis* in experimentally infected cats. *J S Afr Vet Assoc*. 2000 Mar;71(1):53-7.

Penzhorn BL, Schoeman T, Jacobson LS. Feline babesiosis in South Africa: a review. *Ann N Y Acad Sci*. 2004 Oct;1026:183-6.

Pereyra-Rodríguez JJ, Bernabeu-Wittel J, Cañas E, Conejo-Mir J. [Slowly enlarging erythematous macule].[Article in Spanish]. *Enferm Infect Microbiol Clin*. 2011 Jan;29(1):68-9. Epub 2010 Dec 30.

Perez C, Hummel JB, Keene BW, Maggi RG, Diniz PP, Breitschwerdt EB. Successful treatment of *Bartonella henselae* endocarditis in a cat. *J Feline Med Surg*. 2010 Jun;12(6):483-6. Epub 2010 Feb 6.

Pérez C, Maggi RG, Diniz PP, Breitschwerdt EB. Molecular and serological diagnosis of *Bartonella* infection in 61 dogs from the United States. *J Vet Intern Med.* 2011 Jul-Aug;25(4):805-10. Epub 2011 May 25.

Pérez D, Kneubühler Y, Rais O, Jouda F, Gern L. *Borrelia afzelii* ospC genotype diversity in *Ixodes ricinus* questing ticks and ticks from rodents in two Lyme borreliosis endemic areas: Contribution of co-feeding ticks. *Ticks Tick Borne Dis.* 2011 Sep;2(3):137-42. Epub 2011 Aug 19.

Pérez G J, Munita S JM, Araos B R, López G JP, Stevenson A R, González A P, Pérez C D, Noriega R LM. [Cat scratch disease associated neuroretinitis: clinical report and review of the literature]. [Article in Spanish]. *Rev Chilena Infectol.* 2010 Oct;27(5):417-22. Review.

Pérez de León AA, Strickman DA, Knowles DP, Fish D, Thacker E, de la Fuente J, Krause PJ, Wikle SK, Miller RS, Wagner GG, Almazán C, Hillman R, Messenger MT, Ugstad PO, Duhaime RA, Teel PD, Ortega-Santos A, Hewitt DG, Bowers EJ, Bent SJ, Cochran MH, McElwain TF, Scoles GA, Suarez CE, Davey R, Howell Freeman JM, Lohmeyer K, Li AY, Guerrero FD, Kammlah DM, Phillips P, Pound JM; the Group for Emerging Babesioses and One Health Research and Development in the U.S. One Health approach to identify research needs in bovine and human babesioses: workshop report. *Parasit Vectors.* 2010 Apr 8;3(1):36.

Pérez-Irezábal J, Aguirrebengoa K, Cilla G. [Endocarditis due to *Bartonella* spp. Three new clinical cases and Spanish literature review].[Article in Spanish]. *Enferm Infect Microbiol Clin.* 2006 Nov;24(9):597.

Pérez-Martínez L, Blanco JR, Oteo JA. [Treatment of human infections caused by *Bartonella* spp.].[Article in Spanish]. *Rev Esp Quimioter.* 2010 Sep;23(3):109-14. Review.

Pérez-Martínez L, Venzal JM, González-Acuña D, Portillo A, Blanco JR, Oteo JA. Bartonella rochalimae and other Bartonella spp. in fleas, Chile. *Emerg Infect Dis.* 2009 Jul;15(7):1150-2.

Perides G, Charness ME, Tanner LM, Péter O, Satz N, Steere AC, Klempner MS. Matrix metalloproteinases in the cerebrospinal fluid of patients with Lyme neuroborreliosis. *J Infect Dis.* 1998 Feb;177(2):401-8.

Persing DH, Herwaldt BL, Glaser C, Lane RS, Thomford JW, Mathiesen D, Krause PJ, Phillip DF, Conrad PA. Infection with a Babesia-like organism in northern California. *N Engl J Med.* 1995. Feb;332(5): 298-303.

Petanides TA, Koutinas AF, Mylonakis ME, Day MJ, Saridomichelakis MN, Leontides LS, Mischke R, Diniz P, Breitschwerdt EB, Kritsepi M, Garipidou VA, Koutinas CK, Lekkas S. Factors associated with the occurrence of epistaxis in natural canine leishmaniasis (*Leishmania infantum*). *J Vet Intern Med.* 2008 Jul-Aug;22(4):866-72.

Petersen K, Earhart KC, Wallace MR. Bacillary angiomatosis in a patient with chronic lymphocytic leukemia. *Infection.* 2008 Oct;36(5):480-4. Epub 2007 Dec 28.

Petney TN, Hassler D, Bruckner M, Maiwald M. Comparison of urinary bladder and ear biopsy samples for determining prevalence of *Borrelia burgdorferi* in rodents in central Europe. *J Clin Microbiol.* 34(5):1310-2. 1996.

Petnicki-Ocwieja T, DeFrancesco AS, Chung E, Darcy CT, Bronson RT, Kobayashi KS, Hu LT. Nod2 suppresses *Borrelia burgdorferi* mediated murine Lyme arthritis and carditis through the induction of tolerance. *PLoS One.* 2011 Feb 28;6(2):e17414.

Petrogiannopoulos C, Valla K, Mikelis A, Kalogeropoulos SG, Karachalios G, Karachaliou I, Skandami I. Parotid mass due to cat scratch disease. *Int J Clin Pract.* 2006 Dec;60(12):1679-80. Epub 2006 Mar 27.

Petrovic M, Vogelaers D, Van Renterghem L, Carton D, et al. Lyme borreliosis-A review of the late stages and treatment of four cases. 1998. *Acta Clinica Belgica*, 53(3):178-83.

Peys E, Vandenkerckhove J, Van Hemel J, Sas B. Intermediate-term toxicity of repeated orally administered doses of the anti-malarial beta-artemether in dogs. *Exp Toxicol Pathol*. 2006 Mar;57(4):299-304. [Epub 2005 Dec 20].

Pfadenhauer K, Schonsteiner T, Stohr M. [Thoraco-abdominal manifestation of stage II Lyme neuroborreliosis] [Article in German]. *Nervenarzt*, 69(4):296-9. 1998.

Pfister HW, Kristoferitsch W, Meier C. Early neurological involvement (Bannwarth's syndrome). In Aspects of Lyme Borreliosis, ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag:pp 152-167. 1993.

Pfister HW, Preac-Mursic V, Wilske B, Einhäupl KM, Weinberger K. Latent Lyme neuroborreliosis: presence of *Borrelia burgdorferi* in the cerebrospinal fluid without concurrent inflammatory signs. *Neurology*, 39(8):1118-20. 1989.

Pfister HW, Preac-Mursic V, Wilske B, Einhäupl KM. Cefotaxime vs penicillin F for acute neurologic manifestations in Lyme borreliosis. A prospective randomized study. *Arch Neurol*. 46:1190-4, 1989.

Pfister HW, Preac-Mursic V, Wilske B, Schielke E, Sorgel F, Einhaupl KM. Randomized comparison of ceftriaxone and cefotaxime in Lyme neuroborreliosis. 1991. *Journal of Infectious Diseases*, Feb;163(2):311-8.

Pfrommer S, Maier M, Mayer C, Erben A, Engelmann V, Lohmann CP. [Vasoproliferative retinal tumours].[Article in German]. *Ophthalmologe*. 2011 Mar;108(3):265-8.

Philipp MT, Masters E, Wormser GP, Hogrefe W, Martin D. Serologic evaluation of patients from Missouri with erythema migrans-like skin lesions with the C6 Lyme test. *Clin Vaccine Immunol.* 2006 Oct;13(10):1170-1.

Philipp MT, Wormser GP, Marques AR, Bittker S, Martin DS, Nowakowski J, Dally LG. A decline in C6 antibody titer occurs in successfully treated patients with culture-confirmed early localized or early disseminated Lyme Borreliosis. *Clin Diagn Lab Immunol.* 2005 Sep;12(9):1069-74.

Philippon A. [Bacterial zoonoses: emerging concepts].[Article in French]. *Bull Acad Natl Med.* 2006 Mar;190(3):579-94; discussion 595, 625-7. Review.

Phillips SE, Burrascano JJ, Harris NS, Horowitz R, Johnson L, Smith PV, Stricker RB. Rash decisions about southern tick-associated rash illness and Lyme disease. *Clin Infect Dis.* 2006 Jan 15;42(2):306-7; author reply 307-8.

Phillips SE, Burrascano JJ, Harris NS, Johnson L, Smith PV, Stricker RB. Chronic infection in 'post-Lyme borreliosis syndrome'. *Int J Epidemiol.* 2005 Dec;34(6):1439-40; author reply 1440-3. Epub 2005 Nov 30.

Phillips SE, Burrascano JJ, Horowitz R, Savel VR, Stricker RB. Lyme disease testing. *Lancet Infect Dis.* 2006 Mar;6(3):122.

Phillips SE, Harris NS, Horowitz R, Johnson L, Stricker RB. Lyme disease: scratching the surface. *Lancet.* 2005 Nov 19;366(9499):1771.

Phillips-Howard P. Regulation of the quality and use of artemesinin and its derivatives. In *Artemesia*, Wright, CW, Ed. Taylor & Francis, London. 2002;p.319-320.

Piccolo I, Thiella G, Sterzi R, Colombo N, Defanti CA. Chorea as a symptom of neuroborreliosis: a case study. *Ital J Neurol Sci.* 1998 Aug;19(4):235-9.

Piesman J, Mather TN, Dammin GJ, Telford SR III, Lastavica CC, Spielman A. Seasonal variation of transmission risk of Lyme disease and human babesiosis. *Am J Epidemiol.* 1987 Dec;126(6):1187-9.

Piérard-Franchimont C, Quatresooz P, Piérard GE. Skin diseases associated with *Bartonella* infection: facts and controversies. *Clin Dermatol.* 2010 Sep-Oct;28(5):483-8.

Pietrobelli M, Cancrini G, Moretti A, Tampieri MP. Animal babesiosis: an emerging zoonosis also in Italy? *Parassitologia.* 2007 May;49 Suppl 1:33-8.

Pinilla Moraza J, Labarga Echevarría P, Cachorro San Pedro I. [Inguinal mass as presentation of cat-scratch disease].[Article in Spanish]. *An Med Interna.* 2005 Aug;22(8):400-1.

Pinna A, Puglia E, Dore S. Unusual retinal manifestations of cat scratch disease. *Int Ophthalmol.* 2011 Apr;31(2):125-8. Epub 2011 Jan 26.

Pinto Jr VL, Curi AL, Pinto Ada S, Nunes EP, Teixeira Mde L, Rozental T, Favacho AR, Castro EL, Bóia MN. Cat scratch disease complicated with aseptic meningitis and neuroretinitis. *Braz J Infect Dis.* 2008 Apr;12(2):158-60.

Pipili C, Katsogridakis K, Cholongitas E. Myocarditis due to *Bartonella henselae*. *South Med J.* 2008 Nov;101(11):1186.

Pitassi LH, Cintra ML, Ferreira MR, Magalhães RF, Velho PE. Blood cell findings resembling *Bartonella* spp. *Ultrastruct Pathol.* 2010 Feb;34(1):2-6.

Pitassi LH, Magalhães RF, Barjas-Castro ML, de Paula EV, Ferreira MR, Velho PE. *Bartonella henselae* infects human erythrocytes. *Ultrastruct Pathol.* 2007 Nov-Dec;31(6):369-72.

Pitchford CW, Creech CB 2nd, Peters TR, Vnencak-Jones CL. Bartonella henselae endocarditis in a child. *Pediatr Cardiol.* 2006 Nov-Dec;27(6):769-71. Epub 2006 Nov 16.

Pitulle C, Strehse C, Brown JW, Breitschwerdt EB. Investigation of the phylogenetic relationships within the genus *Bartonella* based on comparative sequence analysis of the rnpB gene, 16S rDNA and 23S rDNA. *Int J Syst Evol Microbiol.* 2002 Nov;52(Pt 6):2075-80.

Pitzer JE, Sultan SZ, Hayakawa Y, Hobbs G, Miller MR, Motaleb MA. Analysis of the *Borrelia burgdorferi* cyclic-di-GMP-binding protein PlzA reveals a role in motility and virulence. *Infect Immun.* 2011 May;79(5):1815-25. Epub 2011 Feb 28. Erratum in: *Infect Immun.* 2011 Jun;79(6):2499.

Platonov AE, Karan LS, Kolyasnikova NM, Makhneva NA, Toporkova MG, Maleev VV, Fish D, Krause PJ. Humans Infected with Relapsing Fever Spirochete *Borrelia miyamotoi*, Russia. *Emerg Infect Dis.* 2011 Oct;17(10):1816-23.

Platonov AE, Maleev VV, Karan' LS. [Relapsing borrelioses fevers: forgotten and new ones]. [Article in Russian]. *Ter Arkh.* 2010;82(11):74-80.

Plotkin SA. Correcting a public health fiasco: The need for a new vaccine against Lyme disease. *Clin Infect Dis.* 2011 Feb;52 Suppl 3:s271-5.

Podsiadły E, Chmielewski T, Karbowiak G, Kędra E, Tylewska-Wierzbowska S. The occurrence of spotted fever rickettsioses and other tick-borne infections in forest workers in Poland. *Vector Borne Zoonotic Dis.* 2011 Jul;11(7):985-9. Epub 2010 Nov 17.

Podsiadły E, Chmielewski T, Marczak R, Sochon E, Tylewska-Wierzbowska S. *Bartonella henselae* in the human environment in Poland. *Scand J Infect Dis.* 2007;39(11-12):956-62. Epub 2007 Jun 1.

Podsiadły E, Chmielewski T, Sochon E, Tylewska-Wierzbanowska S. Bartonella henselae in Ixodes ricinus ticks removed from dogs. Vector Borne Zoonotic Dis. 2007 Summer;7(2):189-92.

Podsiadły E, Sapiejka E, Dabrowska-Bień J, Majkowski J, Tylewska-Wierzbanowska S. [Diagnostics of cat scratch disease and present methods of bartonellosis recognition--a case report].[Article in Polish]. Pol Merkur Lekarski. 2009 Feb;26(152):131-5.

Pohl-Koppe A, Logigian EL, Steere AC, Hafler DA. Cross-reactivity of *Borrelia burgdorferi* and myelin basic protein-specific T cells is not observed in borrelial encephalomyelitis. Cell Immunol. 1999 May 25;194(1):118-23.

Pohl-Koppe A, Balashov KE, Steere AC, Logigian EL, Hafler DA. Identification of a T cell subset capable of both IFN-gamma and IL-10 secretion in patients with chronic *Borrelia burgdorferi* infection. J Immunol. 1998 Feb 15;160(4):1804-10.

Poland GA. Vaccines against Lyme disease: What happened and what lessons can we learn? Clin Infect Dis. 2011 Feb;52 Suppl 3:s253-8. Review.

Pone EJ, Zan H, Zhang J, Al-Qahtani A, Xu Z, Casali P. Toll-like Receptors and B-cell Receptors Synergize to Induce Immunoglobulin Class Switch DNA Recombination: Relevance to Microbial Antibody Responses. Crit Rev Immunol. 2010; 30(1): 1–29.

Pons I, Sanfeliu I, Cardeñosa N, Nogueras MM, Font B, Segura F. Serological evidence of *Bartonella henselae* infection in healthy people in Catalonia, Spain. Epidemiol Infect. 2008 Dec;136(12):1712-6. Epub 2008 Feb 25.

Pons I, Sanfeliu I, Nogueras MM, Sala M, Cervantes M, Amengual MJ, Segura F. Seroprevalence of *Bartonella* spp. infection in HIV patients in Catalonia, Spain. BMC Infect Dis. 2008 May 1;8:58.

Popa C, Abdollahi-Roodsaz S, Joosten LA, Takahashi N, Sprong T, Matera G, Liberto MC, Foca A, van Deuren M, Kullberg BJ, van den Berg WB, van der Meer JW, Netea MG. *Bartonella quintana* lipopolysaccharide is a natural antagonist of Toll-like receptor 4. *Infect Immun.* 2007 Oct;75(10):4831-7. Epub 2007 Jul 2.

Popov A, Abdullah Z, Wickenhauser C, Saric T, Driesen J, Hanisch FG, Domann E, Raven EL, Dehus O, Hermann C, Eggle D, Debey S, Chakraborty T, Krönke M, Utermöhlen O, Schultze JL. Indoleamine 2,3-dioxygenase-expressing dendritic cells form suppurative granulomas following *Listeria monocytogenes* infection. *J Clin Invest.* 2006 Dec;116(12):3160-70. Epub 2006 Nov 16.

Porwancher RB, Hagerty CG, Fan J, Landsberg L, Johnson BJ, Kopnitsky M, Steere AC, Kulas K, Wong SJ. Multiplex immunoassay for Lyme disease using VlsE1-IgG and pepC10-IgM antibodies: improving test performance through bioinformatics. *Clin Vaccine Immunol.* 2011 May;18(5):851-9. Epub 2011 Mar 2.

Posey JE, Hardham JM, Norris SJ, Gherardini FC. Characterization of a manganese-dependent regulatory protein, TroR, from *Treponema pallidum*. *Proc Natl Acad Sci U S A.* 1999 Sep 14;96(19):10887-92.

Posfay Barbe K, Jaeggi E, Ninet B, et al. *Bartonella quintana* endocarditis in a child. *N Engl J Med.* 2000;342(24):1841-1842.

Posner GH, McRiner AJ, Paik IH, Sur S, Borstnik K, Xie S, Shapiro TA, Alagbala A, Foster B. Anticancer and antimalarial efficacy and safety of artemisinin-derived trioxane dimers in rodents. *J Med Chem.* 2004;47:1299-301.

Postma NS, Mommers EC, Eling WM, Zuidema J. Oxidative stress in malaria; implications for prevention and therapy. *Pharm World Sci.* 1996 Aug;18(4):121-9.

Potgieter FT. Chemotherapy of *Babesia felis* infection: efficacy of certain drugs. *J S Afr Vet Assoc.* 1981 Dec;52(4):289-93.

Poyraz O, Güneş T. [Seroprevalence of Babesia microti in humans living in rural areas of the Sinop region].[Article in Turkish]. *Turkiye Parazitol Derg.* 2010;34(2):81-5.

Pozsgay V, Kubler-Kielb J, Coxon B, Marques A, Robbins JB, Schneerson R. Synthesis and antigenicity of BBGL-2 glycolipids of *Borrelia burgdorferi*, the causative agent of Lyme disease. *Carbohydr Res.* 2011 Sep 6;346(12):1551-63. Epub 2011 May 3.

Pratt JW, Meyer DR, Wroblewski D, Carlson JA. Orbital inflammation and lyme disease. *Ophthalmology.* 2011 Sep;118(9):1892.e1-2.

Preac-Mursic V, Marget W, Busch U, Pleterski Rigler D, Hagl S. Kill kinetics of *Borrelia burgdorferi* and bacterial findings in relation to the treatment of Lyme borreliosis. 1996. *Infection,* 24(1):9-16.

Preac-Mursic V, Pfister HW, Spiegel H, Burk R, Wilske B, Reinhardt S, Bohmer R. First isolation of *Borrelia burgdorferi* from an iris biopsy. *Journal of Clinical Neuroophthalmology,* 13(3):155-61; discussion 162. 1993.

Preac-Mursic V, Weber K, Pfister HW, Wilske B, et al. Survival of *Borrelia burgdorferi* in antibiotically treated patients with Lyme borreliosis. 1989. *Infection,* 17(6):355-9.

Pretorius AM, Kelly PJ, Birtles RJ, Raoult D. Isolation of *Bartonella henselae* from a serologically negative cat in Bloemfontein, South Africa. *J S Afr Vet Assoc.* 1999 Dec;70(4):154-5.

Pretorius AM, Kelly PJ, Birtles RJ, Raoult D. Are *Bartonella* emerging and re-emerging pathogens in southern Africa? *S Afr Med J.* 2000 Jan;90(1):12.

Pretorius AM, Kelly PJ, Birtles RJ, Raoult D. Are *Bartonella* emerging and re-emerging pathogens in southern Africa? *S Afr Med J.* 2000 Jun;90(6):566.

Priem S, Burmester GR, Kamradt T, Wolbart K, Rittig MG, Krause A. Detection of *Borrelia burgdorferi* by polymerase chain reaction in synovial membrane, but not in synovial fluid from patients with persisting Lyme arthritis after antibiotic therapy. 1998. Annals of the Rheumatic Diseases, 57(2):118-21.

Prince HE, Lapé-Nixon M, Patel H, Yeh C. Comparison of the Babesia duncani (WA1) IgG detection rates among clinical sera submitted to a reference laboratory for WA1 IgG testing and blood donor specimens from diverse geographic areas of the United States. Clin Vaccine Immunol. 2010 Nov;17(11):1729-33. Epub 2010 Sep 22.

Probert W, Louie JK, Tucker JR, Longoria R, Hogue R, Moler S, Graves M, Palmer HJ, Cassady J, Fritz CL. Meningitis due to a "Bartonella washoensis"-like human pathogen. J Clin Microbiol. 2009 Jul;47(7):2332-5. Epub 2009 May 13.

Proceedings and abstracts from the 2nd Babesia World Summit, 4-5 May 2007, Palermo, Italy. Parassitologia. 2007 May;49 Suppl 1:1-109.

Psaroulaki A, Antoniou M, Toumazos P, Mazeris A, Ioannou I, Chochlakis D, Christophi N, Loukaides P, Patsias A, Moschandrea I, Tselenitis Y. Rats as indicators of the presence and dispersal of six zoonotic microbial agents in Cyprus, an island ecosystem: a seroepidemiological study. Trans R Soc Trop Med Hyg. 2010 Nov;104(11):733-9. Epub 2010 Sep 25.

Pukhovskaia NM, Rar VA, Ivanov LI, Vysochina NP, Igolkina IaP, Fomenko NV, Zaraichenkova NV, Plashkova VV, Oreshkina SG, Mal'tseva IP, Chistov VA, Chechikova VA. [PCR detection of the causative agents of infections transmitted by ticks on the Kamchatka Peninsula].[Article in Russian]. Med Parazitol (Mosk). 2010 Oct-Dec;(4):36-9.

Pulliainen AT, Dehio C. *Bartonella henselae*: subversion of vascular endothelial cell functions by translocated bacterial effector proteins. Int J Biochem Cell Biol. 2009 Mar;41(3):507-10. Epub 2008 Oct 25. Review.

Puligheddu M, Giagheddu A, Genugu F, Giagheddu M, Marrosu F. Epilepsia partialis continua in cat scratch disease. *Seizure*. 2004 Apr;13(3):191-5. Erratum in: *Seizure*. 2006 Jul;15(5):357. Dosage error in article text.

Purcell, Katherine. Gates Foundation Invests \$42.6 Million in Malaria Drug Research. From: *HerbalGram*. American Botanical Council. 2006;69:24-252. Available from: <http://www.herbalgram.org/herbalgram/article-view.asp?a=2919>. Accessed 2006 Aug 13.

Purcell, K. Gates Foundation Invests \$42.6 Million in Malaria Drug Research. American Botanical Council. [homepage on the Internet]. *HerbalGram*. 2006;69:24-252. Available from: <http://www.herbalgram.org/herbalgram/articleview.asp?a=2919>. Accessed August 10, 2006.

Puri SK, Dutta GP. Blood schizontocidal activity of WR 238605 (Tafenoquine) against *Plasmodium cynomolgi* and *Plasmodium fragile* infections in rhesus monkeys. *Acta Trop*. 2003 Apr;86(1):35-40.

Que YA, Moreillon P. Infective endocarditis. *Nat Rev Cardiol*. 2011 Jun;8(6):322-36. Epub 2011 Apr 12. Review.

Quebatte M, Dehio M, Tropel D, Basler A, Toller I, Raddatz G, Engel P, Huser S, Schein H, Lindroos HL, Andersson SG, Dehio C. The BatR/BatS two-component regulatory system controls the adaptive response of *Bartonella henselae* during human endothelial cell infection. *J Bacteriol*. 2010 Jul;192(13):3352-67. Epub 2010 Apr 23.

Qi C, Zhou D, Liu J, Cheng Z, Zhang L, Wang L, Wang Z, Yang D, Wang S, Chai T. Detection of *Babesia divergens* using molecular methods in anemic patients in Shandong Province, China. *Parasitol Res*. 2011 Jul;109(1):241-5. Epub 2011 Apr 19.

Quick RE, Herwaldt BL, Thomford JW, et al. Babesiosis in Washington State: a new species of *Babesia*? *Ann Intern Med*. 1993;119(4):284-290.

Quinn SJ, Boucher BJ, Booth JB. Reversible sensorineural hearing loss in Lyme disease. *J Laryngol Otol*. 111(6):562-4. 1997.

Quintão-Silva MG, Melo MN, Ribeiro MF. Comparison of duplex PCR and microscopic techniques for the identification of Babesia bigemina and Babesia bovis in engorged female ticks of *Boophilus microplus*. *Zoonoses Public Health*. 2007;54(3-4):147-51.

Radolf JD, Norgard MV, Brandt ME, Isaacs RD, Thompson PA, Beutler B. Lipoproteins of *Borrelia burgdorferi* and *Treponema pallidum* activate cachectin/tumor necrosis factor synthesis. Analysis using a CAT reporter construct. *J Immunol*. 1991 Sep 15;147(6):1968-74.

Rahimian J, Raoult D, Tang YW, Hanna BA. *Bartonella quintana* endocarditis with positive serology for *Coxiella burnetii*. *J Infect*. 2006 Sep;53(3):e151-3. Epub 2005 Dec 27.

Rahn DW, Steere AC, Grodzicki RL, Levine JH, Hardin JA. Evidence for *Pseudomonas* antigen in immune complexes in *Pseudomonas* osteomyelitis. *Arthritis Rheum*. 1982 Dec;25(12):1403-8.

Raju BV, Esteve-Gassent MD, Karna SL, Miller CL, Van Laar TA, Seshu J. Oligopeptide permease A5 modulates vertebrate host-specific adaptation of *Borrelia burgdorferi*. *Infect Immun*. 2011 Aug;79(8):3407-20. Epub 2011 May 31.

Raju M, Salazar JC, Leopold H, Krause PJ. Atovaquone and azithromycin treatment for babesiosis in an infant. *Pediatr Infect Dis J*. 2007 Feb;26(2):181-3.

Ramharter A, Kremser B. [Bilateral panuveitis with serous retinal detachment].[Article in German]. *Ophthalmologe*. 2009 Apr;106(4):351-5.

Ramharter M, Noedl H, Thimasarn K, Wiedermann G, Wernsdorfer G, Wernsdorfer WH. In vitro activity of tafenoquine alone and in combination with artemisinin against Plasmodium falciparum. Am J Trop Med Hyg. 2002 Jul;67(1):39-43.

Ramharter M, Walochnik J, Lagler H, Winkler S, Wernsdorfer WH, Stoiser B, Graninger W. Clinical and molecular characterization of a near fatal case of human babesiosis in Austria. J Travel Med. 2010 Nov-Dec;17(6):416-8.

Rand PW, Lacombe EH, Elias SP, Cahill BK, Lubelczyk CB, Smith RP Jr. Multitarget test for emerging Lyme disease and anaplasmosis in a serosurvey of dogs, Maine, USA. Emerg Infect Dis. 2011 May;17(5):899-902.

Randazzo JP, DiSpaltro FX, Cottrill C, Klainer AS, Steere AC, Bisaccia E. Successful treatment of a patient with chronic Lyme arthritis with extracorporeal photochemotherapy. J Am Acad Dermatol. 1994 May;30(5 Pt 2):908-10.

Randsborg PH, Naess CE. Ankle arthritis in a 6-year-old boy after a tick bite - a case report. Open Orthop J. 2011 May 2;5:165-7.

Rank EL, Dias SM, Hasson J, Duray PH, Johnson RC, Magnarelli LA, Fister RD. Human necrotizing splenitis caused by *Borrelia burgdorferi*. Am J Clin Pathol, 91(4):493-8. 1989.

Raoult D. [Emerging pathologies].[Article in French]. Med Trop (Mars). 1997;57(3 Suppl):5-6.

Raoult D. [Bartonella infection in humans].[Article in French]. Presse Med. 1999 Feb 27;28(8):429-34, 438. Review.

Raoult D. Etiological diagnosis of blood-culture-negative endocarditis. Enferm Infect Microbiol Clin. 2006 May;24(5):295-6.

Raoult D. From Cat scratch disease to *Bartonella henselae* infection. Clin Infect Dis. 2007 Dec 15;45(12):1541-2.

Raoult D, Birtles RJ, Montoya M, Perez E, Tissot-Dupont H, Roux V, Guerra H. Survey of three bacterial louse-associated diseases among rural Andean communities in Peru: prevalence of epidemic typhus, trench fever, and relapsing fever. *Clin Infect Dis.* 1999 Aug;29(2):434-6.

Raoult D, Casalta JP, Richet H, Khan M, Bernit E, Rovere C, Branger S, Gouriet F, Imbert G, Bothello E, Collart F, Habib G. Contribution of systematic serological testing in diagnosis of infective endocarditis. *J Clin Microbiol.* 2005 Oct;43(10):5238-42.

Raoult D, Dutour O, Houhamdi L, Jankauskas R, Fournier PE, Ardagna Y, Drancourt M, Signoli M, La VD, Macia Y, Aboudharam G. Evidence for louse-transmitted diseases in soldiers of Napoleon's Grand Army in Vilnius. *J Infect Dis.* 2006 Jan 1;193(1):112-20. Epub 2005 Nov 18.

Raoult D, Foucault C, Brouqui P. Infections in the homeless. *Lancet Infect Dis.* 2001 Sep;1(2):77-84. Review.

Raoult D, Fournier PE, Drancourt M, Marrie TJ, Etienne J, Cosserat J, Cacoub P, Poinsignon Y, Leclercq P, Sefton AM. Diagnosis of 22 new cases of *Bartonella* endocarditis. *Ann Intern Med.* 1996 Oct 15;125(8):646-52. Erratum in: *Ann Intern Med* 1997 Aug 1;127(3):249.

Raoult D, Fournier PE, Vandenesch F, Mainardi JL, Eykyn SJ, Nash J, James E, Benoit-Lemercier C, Marrie TJ. Outcome and treatment of *Bartonella* endocarditis. *Arch Intern Med.* 2003 Jan 27;163(2):226-30.

Raoult D, La Scola B, Kelly PJ, Davoust B, Gomez J. *Bartonella bovis* in cattle in Africa. *Vet Microbiol.* 2005 Jan 31;105(2):155-6. Epub 2004 Dec 15.

Raoult D, Ndihokubwayo JB, Tissot-Dupont H, Roux V, Faugere B, Abegbinni R, Birtles RJ. Outbreak of epidemic typhus associated with trench fever in Burundi. *Lancet.* 1998 Aug 1;352(9125):353-8.

Raoult D, Roblot F, Rolain JM, Besnier JM, Loulergue J, Bastides F, Choutet P. First isolation of *Bartonella alsatica* from a valve of a patient with endocarditis. *J Clin Microbiol.* 2006 Jan;44(1):278-9.

Raoult D, Roux V. The body louse as a vector of reemerging human diseases. *Clin Infect Dis.* 1999 Oct;29(4):888-911. Review.

Rar VA, Epikhina TI, Livanova NN, Panov VV, Pukhovskaia NM, Vysochina NP, Ivanov LI. [Detection of *Babesia* spp. DNA in small mammals and ixodic ticks on the territory of north Ural, west Siberia and far east of Russia].[Article in Russian]. *Mol Gen Mikrobiol Virusol.* 2010;(3):26-30.

Ras NM, Lascola B, Postic D, Cutler SJ, Rodhain F, Baranton G, Raoult D. Phylogenesis of relapsing fever *Borrelia* spp. *Int J Syst Bacteriol.* 1996 Oct;46(4):859-65.

Raspe H. ["Clinical medicine will be a science or it will not be," Observations on evidence-based medicine and its critique by Rogler and Scholmerich (2000)].[Article in German]. *Z Arztl Fortbild Qualitatssich.* 2001 Jul;95(7):495-501.

Raucher HS, Kaufman DM, Goldfarb J, Jacobson RI, Roseman B, Wolff RR. Pseudotumor cerebri and Lyme disease: a new association. *J Pediatr.* 1985 Dec;107(6):931-3.

Ray A, Quade J, Carson CA, Ray BK. Calcium-dependent protein phosphorylation in *Babesia bovis* and its role in growth regulation. *J Parasitol.* 1990;76(2):153-161.

Ray M, Marwaha RK, Trehan A, Banerjee AK. Palatal nerve palsy and cervical adenopathy in a probable case with cat scratch disease. *Indian Pediatr.* 1999 Nov;36(11):1154-7.

Rebholz CE, Michel AJ, Maselli DA Dr, Saipphudin K Dr, Wyss K Dr. Frequency of malaria and glucose-6-phosphate dehydrogenase deficiency in Tajikistan. *Malar J.* 2006 Jun 16;5(1):51 [Epub ahead of print].

Reddy AK, Morriss MC, Ostrow GI, Stass-Isern M, Olitsky SE, Lowe LH. Utility of MR imaging in cat-scratch neuroretinitis. *Pediatr Radiol.* 2007 Aug;37(8):840-3. Epub 2007 Jun 22.

Rees P, Schoeman JP. Plasma insulin concentrations in hypoglycaemic dogs with *Babesia canis rossi* infection. *Vet Parasitol.* 2008 Mar 25;152(1-2):60-6. Epub 2007 Nov 22.

Reeves WK, Loftis AD, Gore JA, Dasch GA. Molecular evidence for novel bartonella species in *Trichobius major* (Diptera: Streblidae) and *Cimex adjunctus* (Hemiptera: Cimicidae) from two southeastern bat caves, U.S.A. *J Vector Ecol.* 2005 Dec;30(2):339-41.

Reeves WK, Loftis AD, Sanders F, Spinks MD, Wills W, Denison AM, Dasch GA. *Borrelia, Coxiella, and Rickettsia* in *Carios capensis* (Acari: Argasidae) from a brown pelican (*Pelecanus occidentalis*) rookery in South Carolina, USA. *Exp Appl Acarol.* 2006;39(3-4):321-9. Epub 2006 Jul 5.

Reeves WK, Loftis AD, Szumlas DE, Abbassy MM, Helmy IM, Hanafi HA, Dasch GA. Rickettsial pathogens in the tropical rat mite *Ornithonyssus bacoti* (Acari: Macronyssidae) from Egyptian rats (*Rattus spp.*). *Exp Appl Acarol.* 2007;41(1-2):101-7. Epub 2007 Jan 16.

Reeves WK, Nelder MP, Cobb KD, Dasch GA. *Bartonella spp.* in deer keds, *Lipoptena mazamae* (Diptera: Hippoboscidae), from Georgia and South Carolina, USA. *J Wildl Dis.* 2006 Apr;42(2):391-6.

Reeves WK, Nelder MP, Korecki JA. *Bartonella* and *Rickettsia* in fleas and lice from mammals in South Carolina, U.S.A. *J Vector Ecol.* 2005;30(2):310-315.

Reeves WK, Rogers TE, Durden LA, Dasch GA. Association of *Bartonella* with the fleas (Siphonaptera) of rodents and bats using molecular techniques. *J Vector Ecol.* 2007 Jun;32(1):118-22.

Reeves WK, Szumlas DE, Moriarity JR, Loftis AD, Abbassy MM, Helmy IM, Dasch GA. Louse-borne bacterial pathogens in lice (Phthiraptera) of rodents and cattle from Egypt. *J Parasitol.* 2006 Apr;92(2):313-8.

Rego RO, Bestor A, Rosa PA. Defining the plasmid-borne restriction-modification systems of the Lyme disease spirochete *Borrelia burgdorferi*. *J Bacteriol.* 2011 Mar;193(5):1161-71. Epub 2010 Dec 30.

Reik L Jr. Stroke due to Lyme disease. *Neurology.* 1993 Dec;43(12):2705-7.

Reik L Jr. *Lyme Disease and the Nervous System.* New York:Thieme Medical Publishers. 1991.

Reik L Jr. Neurologic aspects of North American Lyme disease. In *Lyme Disease*, ed. Patricia K. Coyle, M.D. St. Louis: Mosby-Year Book Inc. 1993, pp.101-112.

Reik L Jr, Burgdorfer W, Donaldson JO. Neurologic abnormalities in Lyme disease without erythema chronicum migrans. *Am J Med.* 1986 Jul;81(1):73-8.

Reik L Jr, Smith L, Khan A, Nelson W. Demyelinating encephalopathy in Lyme disease. *Neurology.* 1985 Feb;35(2):267-9.

Reik L, Steere AC, Bartenhagen NH, Shope RE, Malawista SE. Neurologic abnormalities of Lyme disease. *Medicine (Baltimore).* 1979 Jul;58(4):281-94.

Reimers CD, de Koning J, Neubert U, Preac-Mursic V, Koster JG, Müller-Felber W, Pongratz DE, Duray PH. *Borrelia burgdorferi* myositis: report of eight patients. *J Neuro.* 240(5):278-83. 1993.

Reis C, Cote M, Le Rhun D, Lecuelle B, Levin ML, Vayssier-Taussat M, Bonnet SI. Vector competence of the tick *Ixodes ricinus* for transmission of *Bartonella birtlesii*. *PLoS Negl Trop Dis.* 2011;5(5):e1186. Epub 2011 May 31.

Reis C, Cote M, Paul RE, Bonnet S. Questing ticks in suburban forest are infected by at least six tick-borne pathogens. *Vector Borne Zoonotic Dis.* 2011 Jul;11(7):907-16. Epub 2010 Dec 15.

Reis SP, Maddineni S, Rozenblit G, Allen D. Spontaneous splenic rupture secondary to Babesia microti infection: treatment with splenic artery embolization. *J Vasc Interv Radiol.* 2011 May;22(5):732-4.

Remy V. [Biologic diagnosis of Lyme borreliosis].[Article in French]. *Med Mal Infect.* 2007 Jul-Aug;37(7-8):410-21. Epub 2007 Mar 13.

Rencricca NJ, Cleman RM, Altschule MD, et al. Quantification of hyperbaric oxygen-induced toxicity utilizing a malarial system. *Aviat space environ med.* 1981;52:85-87.

Renesto P, Gautheret D, Drancourt M, Raoult D. Determination of the rpoB gene sequences of *Bartonella henselae* and *Bartonella quintana* for phylogenetic analysis. *Res Microbiol.* 2000 Dec;151(10):831-6.

Renesto P, Gouvernet J, Drancourt M, Roux V, Raoult D. Use of rpoB gene analysis for detection and identification of *Bartonella* species. *J Clin Microbiol.* 2001 Feb;39(2):430-7.

Renou F, Raffray L, Gerber A, Moiton MP, Ferrandiz D, Yvin JL. [Hepatic localization of cat scratch disease in an immunocompetent patient].[Article in French]. *Med Mal Infect.* 2010 Mar;40(3):172-4. Epub 2009 Jul 17.

Resto-Ruiz SI, Schmiederer M, Sweger D, Newton C, Klein TW, Friedman H, Anderson BE. Induction of a Potential Paracrine Angiogenic Loop between Human THP-1 Macrophages and Human Microvascular Endothelial Cells during *Bartonella henselae* Infection. *Infect Immun.* 2002 August; 70(8): 4564-4570.

Reye AL, Hübschen JM, Sausy A, Muller CP. Prevalence and seasonality of tick-borne pathogens in questing *Ixodes ricinus* ticks from Luxembourg. *Appl Environ Microbiol.* 2010 May;76(9):2923-31. Epub 2010 Mar 12.

Reynolds MG, Holman RC, Curns AT, O'Reilly M, McQuiston JH, Steiner CA. Epidemiology of cat-scratch disease hospitalizations among children in the United States. *Pediatr Infect Dis J.* 2005;24(8):700-704.

Rheault MN, van Burik JA, Mauer M, Ingulli E, Ferrieri P, Jessurun J, Chavers BM. Cat-scratch disease relapse in a kidney transplant recipient. *Pediatr Transplant.* 2007 Feb;11(1):105-9.

Rhomberg TA, Truttmann MC, Guye P, Ellner Y, Dehio C. A translocated protein of *Bartonella henselae* interferes with endocytic uptake of individual bacteria and triggers uptake of large bacterial aggregates via the invasome. *Cell Microbiol.* 2009 Jun;11(6):927-45. Epub 2009 Feb 27.

Ricart JJ. [Infective endocarditis due to *Bartonella quintana*].[Article in Spanish]. *Medicina (B Aires).* 2008;68(6):478.

Rich SM, Armstrong PM, Smith RD, Telford SR 3rd. Lone star tick-infecting borreliae are most closely related to the agent of bovine borreliosis. *J Clin Microbiol.* 2001 Feb;39(2):494-7.

Richardson H, Birchall JP, Hill J, McMaster T. Should we routinely screen for Lyme disease in patients with asymmetrical hearing loss? *Br J Audiol.* 28(2):59-61. 1994.

Richier E, Biagini GA, Wein S, Boudou F, Bray PG, Ward SA, Precigout E, Calas M, Dubremetz JF, Vial HJ. Potent antihematozoan activity of novel bithiazolium drug T16: evidence for inhibition of phosphatidylcholine metabolism in erythrocytes infected with *Babesia* and *Plasmodium* spp. *Antimicrob Agents Chemother.* 2006 Oct;50(10):3381-8.

Richter D, Debski A, Hubalek Z, Matuschka FR. Absence of Lyme Disease Spirochetes in Larval *Ixodes ricinus* Ticks. *Vector Borne Zoonotic Dis.* 2011 Sep 16. [Epub ahead of print]

Richter D, Matuschka FR. Modulatory effect of cattle on risk for lyme disease. *Emerg Infect Dis.* 2006 Dec;12(12):1919-23.

Richter D, Matuschka FR. Elimination of lyme disease spirochetes from ticks feeding on domestic ruminants. *Appl Environ Microbiol.* 2010 Nov;76(22):7650-2. Epub 2010 Sep 24.

Richter D, Schlee DB, Matuschka FR. Reservoir competence of various rodents for the lyme disease Spirochete *Borrelia spielmanii*. *Appl Environ Microbiol.* 2011 Jun;77(11):3565-70. Epub 2011 Apr 1.

Ridder GJ, Boedeker CC, Technau-Ihling K, Sander A. Cat-scratch disease: Otolaryngologic manifestations and management. *Otolaryngol Head Neck Surg.* 2005;132(3):353-358.

Ridder-Schröter R, Marx A, Beer M, Tappe D, Kreth HW, Girschick HJ. Abscess-forming lymphadenopathy and osteomyelitis in children with *Bartonella henselae* infection. *J Med Microbiol.* 2008 Apr;57(Pt 4):519-24.

Riedel M, Straube A, Schwarz MJ, Wilske BM, Muller N. Lyme disease presenting as Tourette's syndrome. *Lancet.* 351(9100):418-419. 1998.

Riess T, Andersson SG, Lupas A, Schaller M, Schäfer A, Kyme P, Martin J, Wälzlein JH, Ehehalt U, Lindroos H, Schirle M, Nordheim A, Autenrieth IB, Kempf VA. *Bartonella Adhesin A* Mediates a Proangiogenic Host Cell Response. *J Exp Med.* 2004 November 15; 200(10): 1267-1278.

Riess T, Raddatz G, Linke D, Schäfer A, Kempf VA. Analysis of *Bartonella Adhesin A* Expression Reveals Differences between Various *B. henselae* Strains. *Infect Immun.* 2007 January; 75(1): 35-43. Published online 2006 October 23.

Riess T, Dietrich F, Schmidt KV, Kaiser PO, Schwarz H, Schäfer A, Kempf VA. Analysis of a novel insect cell culture medium-based growth medium for *Bartonella* species. *Appl Environ Microbiol.* 2008 Aug;74(16):5224-7. Epub 2008 Jun 20.

Ritchie AE. Morphology of leptospires. *The Biology of Parasitic Spirochetes*, Johnson RC, ed. NY Academy Press, pp. 19-37. 1976.

Ro DK, Paradise EM, Ouellet M, Fisher KJ, Newman KL, Ndungu JM, Ho KA, Eachus RA, Ham TS, Kirby J, Chang MC, Withers ST, Shiba Y, Sarpong R, Keasling JD. Production of the antimalarial drug precursor artemisinic acid in engineered yeast. *Nature.* 2006 Apr 13;440(7086):852-3 [and] 940-3. Accessed 2006 Aug 12.

Rocha JL, Pellegrino LN, Riella LV, Martins LT. Acute hemiplegia associated with cat-scratch disease. *Braz J Infect Dis.* 2004 Jun;8(3):263-266. Epub 2004 Sep 29.

Rocha JL, Pellegrino LN, Riella LV, Martins LT. Acute hemiplegia associated with cat-scratch disease. *Braz J Infect Dis.* 2004 Jun;8(3):263-6. Epub 2004 Sep 29.

Rodgers SE, Mather TN. Human Babesia microti incidence and *Ixodes scapularis* distribution, Rhode Island, 1998-2004. *Emerg Infect Dis.* 2007 Apr;13(4):633-5.

Rodriguez AC, Meyer WJ, Watrobka T. The Jarisch-Herxheimer reaction in pregnancy: a nursing perspective. *J Obstet Gynecol Neonatal Nurs.* 1996 Jun;25(5):383-6.

Rodríguez CM, Giachetto LG, Cuneo EA, Gutiérrez B Mdel C, Shimchack RM, Pérez G MC. [Cat-scratch disease with bone compromise: atypical manifestation].[Article in Spanish]. *Rev Chilena Infectol.* 2009 Aug;26(4):363-9. Epub 2009 Sep 23.

Roe RH, Michael Jumper J, Fu AD, Johnson RN, Richard McDonald H, Cunningham ET. Ocular bartonella infections. *Int Ophthalmol Clin.* 2008 Summer;48(3):93-105. Review.

Roebuck DJ. Cat-scratch disease with an extraaxial mass. AJNR Am J Neuroradiol. 1998 Aug;19(7):1294-5.

Roelcke U, Barnett W, Wilder-Smith E, Sigmund D, Hacke W. Untreated neuroborreliosis: Bannwarth's syndrome evolving into acute schizophrenia-like psychosis. A case report. J Neurol, 239(3):129-31. 1992.

Roggero E, Zucca E, Mainetti C, Bertoni F, Valsangiacomo C, Pedrinis E, et al. Eradication of *Borrelia burgdorferi* infection in primary marginal zone B-cell lymphoma of the skin. Hum Pathol, 31(2):263-8. 2000.

Rolain JM, Arnoux D, Parzy D, Sampol J, Raoult D. Experimental infection of human erythrocytes from alcoholic patients with *Bartonella quintana*. Ann N Y Acad Sci. 2003 Jun;990:605-11.

Rolain JM, Boureau-Voultoury A, Raoult D. Serological evidence of *Bartonella vinsonii* lymphadenopathies in a child bitten by a dog. Clin Microbiol Infect. 2009 Dec;15 Suppl 2:122-3. Epub 2009 Apr 3.

Rolain JM, Bourry O, Davoust B, Raoult D. *Bartonella quintana* and *Rickettsia felis* in Gabon. Emerg Infect Dis. 2005 Nov;11(11):1742-4.

Rolain JM, Brouqui P, Koehler JE, Maguina C, Dolan MJ, Raoult D. Recommendations for treatment of human infections caused by *Bartonella* species. Antimicrob Agents Chemother. 2004 Jun;48(6):1921-33. Review.

Rolain JM, Chanet V, Laurichesse H, Lepidi H, Beytout J, Raoult D. Cat scratch disease with lymphadenitis, vertebral osteomyelitis, and spleen abscesses. Ann N Y Acad Sci. 2003 Jun;990:397-403. Review.

Rolain JM, Foucault C, Brouqui P, Raoult D. Erythroblast cells as a target for *Bartonella quintana* in homeless people. Ann N Y Acad Sci. 2003 Jun;990:485-7.

Rolain JM, Foucault C, Guieu R, La Scola B, Brouqui P, Raoult D. *Bartonella quintana* in human erythrocytes. Lancet. 2002;360(9328):226-228.

Rolain JM, Fournier PE, Raoult D, Bonerandi JJ. First isolation and detection by immunofluorescence assay of *Bartonella koehlerae* in erythrocytes from a French cat. J Clin Microbiol. 2003 Aug;41(8):4001-2.

Rolain JM, Franc M, Davoust B, Raoult D. Molecular detection of *Bartonella quintana*, *B. koehlerae*, *B. henselae*, *B. clarridgeiae*, *Rickettsia felis*, and *Wolbachia pipiensis* in cat fleas, France. Emerg Infect Dis. 2003 Mar;9(3):338-42.

Rolain JM, Gouriet F, Enea M, Aboud M, Raoult D. Detection by immunofluorescence assay of *Bartonella henselae* in lymph nodes from patients with cat scratch disease. Clin Diagn Lab Immunol. 2003 Jul;10(4):686-91.

Rolain JM, La Scola B, Liang Z, Davoust B, Raoult D. Immuno-fluorescent detection of intraerythrocytic *Bartonella henselae* in naturally infected cats. J Clin Microbiol. 2001 Aug;39(8):2978-80.

Rolain JM, Lecam C, Raoult D. Simplified serological diagnosis of endocarditis due to *Coxiella burnetii* and *Bartonella*. Clin Diagn Lab Immunol. 2003 Nov;10(6):1147-8.

Rolain JM, Lepidi H, Zanaret M, Triglia JM, Michel G, Thomas PA, Texereau M, Stein A, Romaru A, Eb F, Raoult D. Lymph node biopsy specimens and diagnosis of cat-scratch disease. Emerg Infect Dis. 2006 Sep;12(9):1338-44.

Rolain JM, Locatelli C, Chabanne L, Davoust B, Raoult D. Prevalence of *Bartonella clarridgeiae* and *Bartonella henselae* in domestic cats from France and detection of the organisms in erythrocytes by immunofluorescence. Clin Diagn Lab Immunol. 2004 Mar;11(2):423-425.

Rolain JM, Maurin M, Bryskier A, Raoult D. In vitro activities of telithromycin (HMR 3647) against Rickettsia rickettsii, Rickettsia conorii, Rickettsia africae, Rickettsia typhi, Rickettsia prowazekii, Coxiella burnetii, Bartonella henselae, Bartonella quintana, Bartonella bacilliformis, and Ehrlichia chaffeensis. *Antimicrob Agents Chemother.* 2000 May;44(5):1391-3.

Rolain JM, Maurin M, Mallet MN, Parzy D, Raoult D. Culture and antibiotic susceptibility of Bartonella quintana in human erythrocytes. *Antimicrob Agents Chemother.* 2003 Feb;47(2):614-9.

Rolain JM, Maurin M, Raoult D. Bactericidal effect of antibiotics on Bartonella and Brucella spp.: clinical implications. *J Antimicrob Chemother.* 2000 Nov;46(5):811-4.

Rolain JM, Novelli S, Ventosilla P, Maguina C, Guerra H, Raoult D. Immunofluorescence detection of Bartonella bacilliformis flagella in vitro and in vivo in human red blood cells as viewed by laser confocal microscopy. *Ann N Y Acad Sci.* 2003 Jun;990:581-4.

Rolain JM, Rousset E, La Scola B, Duquesnel R, Raoult D. Bartonella schoenbuchensis isolated from the blood of a French cow. *Ann N Y Acad Sci.* 2003 Jun;990:236-8.

Romanelli F, Smith KM, Hoven AD. Chloroquine and hydroxy-chloroquine as inhibitors of human immunodeficiency virus (HIV-1) activity. *Curr Pharm Des.* 2004;10(21):2643-8.

Rosenblatt JE. Laboratory diagnosis of infections due to blood and tissue parasites. *Clin Infect Dis.* 2009 Oct 1;49(7):1103-8. Review.

Rosenhall U, Hanner P, Kaijser B. Borrelia infection and vertigo. *Acta Otolaryngol.* 106(1-2):111-6. 1988.

Rothermel H, Hedges TR 3rd, Steere AC. Optic neuropathy in children with Lyme disease. *Pediatrics.* 2001 Aug;108(2):477-81.

Rotily M, Obadia Y, Tissot-Dupont H, Cavailler P, Raoult D. [The epidemiology of trench fever: a pilot study in homeless people in Marseilles].[Article in French]. Sante. 1996 Sep-Oct;6(5):275-8.

Rotily M, Obadia Y, Tissot-Dupont H, Raoult D. Trench fever among homeless people in Marseille, France: a seroprevalence survey. J Epidemiol Community Health. 1997 Apr;51(2):205.

Roubaud-Baudron C, Fortineau N, Goujard C, Le Bras P, Lambotte O. [Cat scratch disease with bone involvement: a case report and literature review].[Article in French]. Rev Med Interne. 2009 Jul;30(7):602-8. Epub 2009 Mar 19. Review.

Rouqui P, Bodiga S and Raoult D. Eucarytic cells protect *Borrelia burgdorferi* from the action of penicillin and ceftriaxone but not from the action of doxycycline and erythromycin. Antimicrob Agents Chemother. 1996;40:1552-1554.

Rousseau JJ, Lust C, Zangerle PF, Bizgaignon G. Acute transverse myelitis as presenting neurological feature of Lyme disease. Lancet, 2(8517):1222-3. 1986.

Roux V, Eykyn SJ, Wyllie S, Raoult D. *Bartonella vinsonii* subsp. *berkhoffii* as an agent of afebrile blood culture-negative endocarditis in a human. J Clin Microbiol. 2000 Apr;38(4):1698-700.

Roux V, Raoult D. Body lice as tools for diagnosis and surveillance of reemerging diseases. J Clin Microbiol. 1999 Mar;37(3):596-9.

Rovery C, Greub G, Lepidi H, Casalta JP, Habib G, Collart F, Raoult D. PCR detection of bacteria on cardiac valves of patients with treated bacterial endocarditis. J Clin Microbiol. 2005 Jan;43(1):163-7.

Rovery C, Rolain JM, Lepidi H, Zandotti C, Moreau J, Brouqui P. *Bartonella quintana* coinfection with *Mycobacterium avium* complex and CMV in an AIDS patient: case presentation. BMC Infect Dis. 2006 May 29;6:89.

Rowen, Robert Jay. Artemisinin: From Malaria to Cancer Treatment. Townsend Letter for Doctors & Patients, 2002 Dec.

Rozmanic V, Banac S, Miletic D, Manestar K, Kamber S, Paparic S. Role of magnetic resonance imaging and scintigraphy in the diagnosis and follow-up of osteomyelitis in cat-scratch disease. J Paediatr Child Health. 2007 Jul-Aug;43(7-8):568-70.

Rubaire-Akiiki C, Okello-Onen J, Nasinyama GW, Vaarst M, Kabagambe EK, Mwayi W, Musunga D, Wandukwa W. The prevalence of serum antibodies to tick-borne infections in Mbale District, Uganda: The effect of agro-ecological zone, grazing management and age of cattle. J Insect Sci. 2004; 4: 8. Published online 2004 March 25.

Ruberti G, Begovich AB, Steere AC, Klitz W, Erlich HA, Fathman CG. Molecular analysis of the role of the HLA class II genes DRB1, DQA1, DQB1, and DPB1 in susceptibility to Lyme arthritis. Hum Immunol. 1991 May;31(1):20-7.

Rubin DA, Sorbera C, Nikitin P, McAllister A, Wormser GP, Nadelman RB. Prospective evaluation of heart block complicating early Lyme disease. Pacing Clin Electrophysiol. 1992 Mar;15(3):252-5.

Rudenko N, Golovchenko M, Grubhoffer L, Oliver JH Jr. Updates on Borrelia burgdorferi sensu lato complex with respect to public health. Ticks Tick Borne Dis. 2011 Sep;2(3):123-8. Epub 2011 May 27.

Rudnik-Szalaj I, Poplawska R, Zajkowska J, Szulc A, Pancewicz SA, Gudel I. [Mental disorders in Lyme disease.] [Article in Polish]. Pol Merkur Lek, 11(65):460-2. 2001.

Ruef C. Borrelia burgdorferi bacteremia. Infection. 2011 Feb;39(1):1.

Rupprecht TA, Kirschning CJ, Popp B, Kastenbauer S, Fingerle V, Pfister HW, Koedel U. *Borrelia garinii* Induces CXCL13 Production in Human Monocytes through Toll-Like Receptor 2. *Infect Immun.* 2007 September; 75(9): 4351–4356. Published online 2007 June 11.

RXList. [Monograph on the Internet]. Available from: [http://www.rxlist.com/cgi/generic2/clindam\\_cp.htm](http://www.rxlist.com/cgi/generic2/clindam_cp.htm).

Rydkina EB, Roux V, Gagua EM, Predtechenski AB, Tarasevich IV, Raoult D. *Bartonella quintana* in body lice collected from homeless persons in Russia. *Emerg Infect Dis.* 1999 Jan-Feb;5(1):176-8.

Rydzewski J, Mateus-Pinilla N, Warner RE, Hamer S, Weng HY. *Ixodes scapularis* and *Borrelia burgdorferi* Among Diverse Habitats Within a Natural Area in East-Central Illinois. *Vector Borne Zoonotic Dis.* 2011 Oct;11(10):1351-8. Epub 2011 Jun 20.

Sabarinath SN, Asthana OP, Puri SK, Srivastava K, Madhusudanan KP, Gupta RC. Clinical pharmacokinetics of the diastereomers of arteether in healthy volunteers. *Clin Pharmacokinet.* 2005;44(11):1191-203.

Sabarinath S, Madhusudanan KP, Gupta RC. Pharmacokinetics of the diastereomers of arteether, a potent antimalarial drug, in rats. *Biopharm Drug Dispos.* 2005 Sept;26(6):211-23.

Sabine Bork, Naoaki Yokoyama, Yuzuru Ikebara, Sanjay Kumar, Chihiro Sugimoto, and Ikuo Igarashi. Growth-Inhibitory Effect of Heparin on Babesia Parasites. *Antimicrobial Agents and Chemotherapy.* 2004 Jan;48:1:236–41.

Sabino GJ, Hwang SJ, McAllister SC, Mena P, Furie MB. Interferon- $\gamma$  Influences the Composition of Leukocytic Infiltrates in Murine Lyme Carditis. *Am J Pathol.* 2011 Oct;179(4):1917-28. Epub 2011 Aug 5.

Sackal C, Laudisoit A, Kosoy M, Massung R, Eremeeva ME, Karpathy SE, Van Wyk K, Gabitzsch E, Zeidner NS. *Bartonella* spp. and *Rickettsia felis* in fleas, Democratic Republic of Congo. *Emerg Infect Dis.* 2008 Dec;14(12):1972-4.

Sadava D, Phillips T, Lin C, Kane SE. Transferrin overcomes drug resistance to artemisinin in human small-cell lung carcinoma cells. *Cancer Lett.* 2002;179:151-6.

Sadziene A, Jonsson M, Bergstrom S, Bright RK, Kennedy RC, Barbour AG. A bactericidal antibody to *Borrelia burgdorferi* is directed against a variable region of the OspB protein. *Infect Immun.* 1994 May;62(5):2037-45.

Sahay B, Singh A, Gnanamani A, Patsey RL, Blalock JE, Sellati TJ. CD14 signaling reciprocally controls collagen deposition and turnover to regulate the development of lyme arthritis. *Am J Pathol.* 2011 Feb;178(2):724-34.

Şahin İ, Yaman O, Hamamci B, Çetinkaya Ü. [The molecular mechanisms of erythrocyte invasion of *Plasmodium* spp. as a model organism of apicomplexan protozoa].[Article in Turkish]. *Turkiye Parazitol Derg.* 2010;34(4):203-6.

Saisongkoh W, Barrassi L, Davoust B, de Broucker CA, Raoult D, Rolain JM. First isolation of *Bartonella bovis* from animals in French Guyana, South America. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:124-6. Epub 2009 May 18.

Saisongkoh W, Kowalczevska M, Azza S, Declouement P, Rolain JM, Raoult D. Identification of candidate proteins for the diagnosis of *Bartonella henselae* infections using an immunoproteomic approach. *FEMS Microbiol Lett.* 2010 Sep 1;310(2):158-67. Epub 2010 Jul 9.

Saisongkoh W, Robert C, La Scola B, Raoult D, Rolain JM. Evidence of transfer by conjugation of type IV secretion system genes between *Bartonella* species and *Rhizobium radiobacter* in amoeba. *PLoS One.* 2010 Sep 13;5(9):e12666.

Saisongkoh W, Rolain JM, Suputtamongkol Y, Raoult D. Emerging *Bartonella* in humans and animals in Asia and Australia. *J Med Assoc Thai.* 2009 May;92(5):707-31. Review.

Saisongkoh W, Wootta W, Sawanpanyalert P, Raoult D, Rolain JM. "Candidatus Bartonella thailandensis": a new genotype of Bartonella identified from rodents. *Vet Microbiol.* 2009 Oct 20;139(1-2):197-201. Epub 2009 Jun 6.

Saito Y, Tomita K, Nozaki H, Kobayashi S, Kubo M, Inomata I. [A case of cat scratch disease complicated by reversible encephalopathy]. [Article in Japanese]. *Kansenshogaku Zasshi.* 1991 Nov;65(11):1464-9. Review.

Saito-Ito A, Kasahara M, Kasai M, Dantrakool A, Kawai A, Fujita H, Yano Y, Kawabata H, Takada N. Survey of Babesia microti infection in field rodents in Japan: records of the Kobe-type in new foci and findings of a new type related to the Otsu-type. *Microbiol Immunol.* 2007;51(1):15-24.

Saito-Ito A, Takada N, Ishiguro F, Fujita H, Yano Y, Ma XH, Chen ER. Detection of Kobe-type Babesia microti associated with Japanese human babesiosis in field rodents in central Taiwan and southeastern mainland China. *Parasitology.* 2008 May;135(6):691-9. Epub 2008 Apr 16.

Sala E, Lipiec A, Zygmunt A, Burdzel Z, Ogórek M, Chyla M. [Cat scratch disease--course, diagnosis].[Article in Polish]. *Przegl Epidemiol.* 2006;60(2):307-13.

Sala M, Font B, Sanfeliu I, Quesada M, Ponts I, Segura F. Bacillary angiomatosis caused by *Bartonella quintana*. *Ann N Y Acad Sci.* 2005 Dec;1063:302-7.

Salazar CA, Rothemich M, Drouin EE, Glickstein L, Steere AC. Human Lyme arthritis and the immunoglobulin G antibody response to the 37-kilodalton arthritis-related protein of *Borrelia burgdorferi*. *Infect Immun.* 2005 May;73(5):2951-7.

Salazar JC, Duhnam-Ems S, La Vake C, Cruz AR, Moore MW, Caimano MJ, Velez-Climent L, Shupe J, Krueger W, Radolf JD. Activation of Human Monocytes by Live *Borrelia burgdorferi* Generates TLR2-Dependent and -Independent Responses Which Include Induction of IFN- $\beta$ . *PLoS Pathog.* 2009 May;5(5):e1000444. Published online 2009 May 22.

Salcido RS. Evidence-based medicine: inherent limitations. *Adv Skin Wound Care.* 2010 Dec;23(12):535-6.

Salehi N, Custodio H, Rathore MH. Renal microabscesses due to *Bartonella* infection. *Pediatr Infect Dis J.* 2010 May;29(5):472-3.

Salem Z, Zalloua PA, Chehal A, et al. Effective treatment of hypereosinophilic syndrome with imatinib mesylate. *Hematol J.* 2003;4(6):410-412.

Salman-Dilgimen A, Hardy PO, Dresser AR, Chaconas G. HrpA, a DEAH-box RNA helicase, is involved in global gene regulation in the Lyme disease spirochete. *PLoS One.* 2011;6(7):e22168. Epub 2011 Jul 26.

Salo J, Loimaranta V, Lahdenne P, Viljanen MK, Hytönen J. Decorin binding by DbpA and B of *Borrelia garinii*, *Borrelia afzelii*, and *Borrelia burgdorferi sensu Stricto*. *J Infect Dis.* 2011 Jul;204(1):65-73.

Salvatore P, Casamassimi A, Sommese L, Fiorito C, Ciccodicola A, Rossiello R, Avallone B, Grimaldi V, Costa V, Riienzo M, Colicchio R, Williams-Ignarro S, Pagliarulo C, Prudente ME, Abbondanza C, Lamberti F, Baroni A, Buommino E, Farzati B, Tufano MA, Ignarro LJ, Napoli C. Detrimental effects of *Bartonella henselae* are counteracted by L-arginine and nitric oxide in human endothelial progenitor cells. *Proc Natl Acad Sci U S A.* 2008 Jul 8;105(27):9427-32. Epub 2008 Jun 30.

Salzman MB, Rubin LG, Sood SK. Prevention of Lyme disease after tick bites. *N Engl J Med.* 1993 Jan 14;328(2):137; author reply 138-9.

Samimi S, Salah S, Bonicel P. [Acquired nystagmus in a 12-year-old boy as initial presentation of Lyme disease].[Article in French]. J Fr Ophtalmol. 2011 May;34(5):325.e1-3. Epub 2011 Apr 14.

Samson L, Drancourt M, Casalta JP, Raoult D. Corpuscular antigenic microarray for the serodiagnosis of blood culture-negative endocarditis. Ann N Y Acad Sci. 2006 Oct;1078:595-6.

Samuels DS. Gene Regulation in *Borrelia burgdorferi*. Annu Rev Microbiol. 2011 Oct 13;65:479-99.

Sanders ML, Glass GE, Nadelman RB, Wormser GP, Scott AL, Raha S, Ritchie BC, Jaworski DC, Schwartz BS. Antibody levels to recombinant tick calreticulin increase in humans after exposure to *Ixodes scapularis* (Say) and are correlated with tick engorgement indices. Am J Epidemiol. 1999 Apr 15;149(8):777-84.

Sanfeliu I, Antón E, Pineda V, Pons I, Perez J, Font B, Segura F. Description of *Bartonella* spp. infections in a general hospital of Catalonia, Spain. Clin Microbiol Infect. 2009 Dec;15 Suppl 2:130-1. Epub 2009 May 18.

Sanguinetti-Morelli D, Angelakis E, Richet H, Davoust B, Rolain JM, Raoult D. Seasonality of cat-scratch disease, France, 1999-2009. Emerg Infect Dis. 2011 Apr;17(4):705-7.

Sankatsing SU, Kolader ME, Bouma BJ, Bennink RJ, Verberne HJ, Ansink TM, Visser CE, van der Meer JT. 18F-fluoro-2-deoxyglucose positron emission tomography-negative endocarditis lenta caused by *Bartonella henselae*. J Heart Valve Dis. 2011 Jan;20(1):100-2.

Sanofi-Synthelabo: Prescribing Information. [Monograph on the Internet]. Available from: <http://products.sanofiaventis.us/plaquenil/plaquenil.html>.

Sanogo YO, Zeaiter Z, Caruso G, Merola F, Shpynov S, Brouqui P, Raoult D. *Bartonella henselae* in *Ixodes ricinus* ticks (Acari: Ixodida) removed from humans, Belluno province, Italy. *Emerg Infect Dis.* 2003 Mar;9(3):329-32.

Santino I, Longobardi V. Clinical and serological features of patients with suspected Lyme borreliosis. *Int J Immunopathol Pharmacol.* 2011 Jul-Sep;24(3):797-801.

Santos M, Haddad Júnior V, Ribeiro-Rodrigues R, Talhari S. [Lyme borreliosis].[Article in English and Portuguese]. *An Bras Dermatol.* 2010 Dec;85(6):930-8.

Sá-Nunes A, Bafica A, Antonelli LR, Choi EY, Francischetti IM, Andersen JF, Shi GP, Chavakis T, Ribeiro JM, Kotsyfakis M. The immunomodulatory action of sialostatin L on dendritic cells reveals its potential to interfere with autoimmunity. *J Immunol.* 2009 Jun 15;182(12):7422-9.

Sapi E, Kaur N, Anyanwu S, Luecke DF, Datar A, Patel S, Rossi M, Stricker RB. Evaluation of in-vitro antibiotic susceptibility of different morphological forms of *Borrelia burgdorferi*. *Infect Drug Resist.* 2011;4:97-113. Epub 2011 May 3.

Sarkar A, Hayes BM, Dulebohn DP, Rosa PA. Regulation of the Virulence Determinant OspC by bbd18 on Linear Plasmid lp17 of *Borrelia burgdorferi*. *J Bacteriol.* 2011 Oct;193(19):5365-73. Epub 2011 Jul 22.

Sasaki T, Poudel SK, Isawa H, Hayashi T, Seki N, Tomita T, Sawabe K, Kobayashi M. First molecular evidence of *Bartonella quintana* in *Pediculus humanus capitis* (Phthiraptera: Pediculidae), collected from Nepalese children. *J Med Entomol.* 2006 Jan;43(1):110-2.

Sasseigne G, Herbert A, Larvol L, Damade R, Cartry O. [Fever and abdominal pain in a 56-year-old woman].[Article in French]. *Rev Med Interne.* 2009 Dec;30(12):1049-53. Epub 2009 Oct 7.

Sato Y, Miyamoto K, Iwaki A, Masuzawa T, Yanagihara Y, Korenberg EI, Gorelova NB, Volkov VI, Ivanov LI, Liberova RN. Prevalence of Lyme disease spirochetes in *Ixodes persulcatus* and wild rodents in far eastern Russia. *Appl Environ Microbiol.* 1996 Oct;62(10):3887-9.

Savely VR, Leitao MM, Stricker RB. The mystery of Morgellons disease: infection or delusion? *Am J Clin Dermatol.* 2006;7(1):1-5. Review.

Savely VR, Stricker RB. Morgellons disease: Analysis of a population with clinically confirmed microscopic subcutaneous fibers of unknown etiology. *Clin Cosmet Investig Dermatol.* 2010 May 13;3:67-78.

Savić S, Vidić B, Lazić S, Lako B, Potkonjak A, Lepšanović Z. *Borrelia burgdorferi* in ticks and dogs in the province of Vojvodina, Serbia. *Parasite.* 2010 Dec;17(4):357-61.

Sawczuk M. [Cattle babesiosis].[Article in Polish]. *Wiad Parazytol.* 2007;53(2):73-9. Review.

Scelsa SN, Lipton RB, Sander H, Herskovitz S. Headache characteristics in hospitalized patients with Lyme disease. *Headache.* 1995 Mar;35(3):125-30.

Schafley, Andrew. Presentation at the 2005 American Association of Physicians and Surgeons.

Schaller J. A Laboratory Guide to Human Babesia Hematology Forms. Tampa, FL:Hope Academic Press. 2008.

Schaller J. The Diagnosis, Treatment and Prevention of *Bartonella*: Atypical *Bartonella* Treatment Failures and 40 Hypothetical Physical Exam Findings – Full Color Edition. Volume I-II. Tampa, FL:Hope Academic Press. 2008.

Schaller J. Babesia. in Encyclopedia of Plagues, Pestilence and Pandemics. Ed. J. Bryne. Westport, CT: Greenwood Press; 2008.

Schaller J. Bartonella. in Encyclopedia of Plagues, Pestilence and Pandemics. Ed. J. Bryre, Westport, CT: Greenwood Press; 2008.

Schaller J. Lyme Disease. in Encyclopedia of Plagues, Pestilence and Pandemics. Ed. J. Bryre. Westport, CT: Greenwood Press; 2008.

Schaller J. Babesia 2009 Supplement and Update. Tampa, FL:Hope Academic Press. 2009.

Schaller JA. Personal regular monthly communications. 1996-2011.

Schaller JL. Artemisin, Artesunate, Artemisinic Acid and Other Derivatives of Artemisia Used for Malaria, Babesia and Cancer. Tampa, FL: Hope Academic Press. 2006.

Schaller JL. The Health Care Professional's Guide to the Treatment and Diagnosis of Human Babesiosis, An Extensive Review of New Human Species and Advanced Treatments. Tampa, FL: Hope Academic Press. 2006.

Schaller JL, Burkland GA. Case report: rapid and complete control of idiopathic hypereosinophilia with imatinib mesylate. MedGenMed. 2001;3(5):9.

Schaller JL, Burkland GA, Langhoff PJ. Are various Babesia species a missed cause for hypereosinophilia? A follow-up on the first reported case of imatinib mesylate for idiopathic hypereosinophilia. MedGenMed. 2007 Feb 27;9(1):38.

Schaller JL, Burkland GA, Langhoff PJ. Do bartonella infections cause agitation, panic disorder, and treatment-resistant depression? MedGenMed. 2007 Sep 13;9(3):54.

Schaller M, Neubert U. Ultrastructure of *Borrelia burgdorferi* after exposure to benzylpenicillin. Infection. 1994 Nov-Dec;22(6):401-406.

Schechter SL. Lyme disease associated with optic neuropathy. Am J Med. 1986 Jul;81(1):143-5.

Scheid R, Hund-Georgiadis M, von Cramon DY. Intracerebral haemorrhage as a manifestation of Lyme neuroborreliosis? Eur J Neurol. 2003 ;10(1):99-101.

Scheidegger F, Ellner Y, Guye P, Rhomberg TA, Weber H, Augustin HG, Dehio C. Distinct activities of *Bartonella henselae* type IV secretion effector proteins modulate capillary-like sprout formation. Cell Microbiol. 2009 Jul;11(7):1088-101. Epub 2009 Mar 12.

Scheidegger F, Quebatte M, Mistl C, Dehio C. The *Bartonella henselae* VirB/Bep system interferes with vascular endothelial growth factor (VEGF) signalling in human vascular endothelial cells. Cell Microbiol. 2011 Mar;13(3):419-31. Epub 2010 Dec 3.

Schicht S, Junge S, Schnieder T, Strube C. Prevalence of *Anaplasma phagocytophilum* and Coinfection with *Borrelia burgdorferi* Sensu Lato in the Hard Tick *Ixodes ricinus* in the City of Hanover (Germany). Vector Borne Zoonotic Dis. 2011 Sep 15. [Epub ahead of print]

Schiellerup P, Dyhr T, Rolain JM, Christensen M, Damsgaard R, Ethelberg S, Fisker N, Frost Andersen N, Raoult D, Krogfelt KA. Low seroprevalence of *bartonella* species in danish elite orienteers. Scand J Infect Dis. 2004;36(8):604-6.

Schlesinger PA, Duray PH, Burke BA, Steere AC, Stillman MT. Maternal-fetal transmission of the Lyme disease spirochete, *Borrelia burgdorferi*. Ann Intern Med. 1985 Jul;103(1):67-8.

Schmid GP, Steere AC, Kornblatt AN, Kaufmann AF, Moss CW, Johnson RC, Hovind-Hougen K, Brenner DJ. Newly recognized *Leptospira* species ("Leptospira inadai" serovar lyme) isolated from human skin. J Clin Microbiol. 1986 Sep;24(3):484-6.

Schmid GP, Steigerwalt AG, Johnson SE, Barbour AG, Steere AC, Robinson IM, Brenner DJ. DNA characterization of the spirochete that causes Lyme disease. J Clin Microbiol. 1984 Aug;20(2):155-8.

Schmid GP, Steigerwalt AG, Johnson S, Barbour AG, Steere AC, Robinson IM, Brenner DJ. DNA characterization of Lyme disease spirochetes. *Yale J Biol Med.* 1984 Jul-Aug;57(4):539-42.

Schmid GP, Horsley R, Steere AC, Hanrahan JP, Davis JP, Bowen GS, Osterholm MT, Weisfeld JS, Hightower AW, Broome CV. Surveillance of Lyme disease in the United States, 1982. *J Infect Dis.* 1985 Jun;151(6):1144-9.

Schmid GP, Centers for Disease Control. Epidemiology and clinical similarities of human spirochetal diseases. *Rev Infect Dis.* 1989;11(Suppl 6):S1460-9.

Schmid MC, Scheidegger F, Dehio M, Balmelle-Devaux N, Schulein R, Guye P, Chennakesava CS, Biedermann B, Dehio C. A translocated bacterial protein protects vascular endothelial cells from apoptosis. *PLoS Pathog.* 2006 Nov;2(11):e115.

Schmid MC, Schulein R, Dehio M, Denecker G, Carena I, Dehio C. The VirB type IV secretion system of *Bartonella henselae* mediates invasion, proinflammatory activation and antiapoptotic protection of endothelial cells. *Mol Microbiol.* 2004;52(1):81-92.

Schmidli J, Hunziker T, Moesli P, Schaad UB. Cultivation of *Borrelia burgdorferi* from joint fluid three months after treatment of facial palsy due to Lyme borreliosis. *J Infect Dis.* 1988 Oct;158(4):905-6.

Schmidt BL, Aberer E, Stockenhuber C, Klade H, Breier F, Luger A. Detection of *Borrelia burgdorferi* DNA by polymerase chain reaction in the urine and breast milk of patients with Lyme borreliosis. *Diagn Microbiol Infect Dis.* 1995 Mar;21(3):121-8.

Schmidt C, Plate A, Angele B, Pfister HW, Wick M, Koedel U, Rupprecht TA. A prospective study on the role of CXCL13 in Lyme neuroborreliosis. *Neurology.* 2011 Mar 22;76(12):1051-8.

Schmit VL, Patton TG, Gilmore RD Jr. Analysis of *Borrelia burgdorferi* Surface Proteins as Determinants in Establishing Host Cell Interactions. *Front Microbiol.* 2011;2:141. Epub 2011 Jul 1.

Schneer S, Marcovicciu D, Beilin V, Goffman M, Dicker D. [Stroke as a manifestation of acute *Bartonella henselae* endocarditis].[Article in Hebrew]. *Harefuah.* 2007 Nov;146(11):902-4, 908.

Schoeman JP. Canine babesiosis. *Onderstepoort J Vet Res.* 2009 Mar;76(1):59-66. Review.

Schoeman JP, Herrtage ME. Adrenal response to the low dose ACTH stimulation test and the cortisol-to-adrenocorticotropic hormone ratio in canine babesiosis. *Vet Parasitol.* 2008 Jul 4;154(3-4):205-13. Epub 2008 Apr 7.

Schoen RT. Relapsing or reinfectious Lyme hepatitis. *Hepatology.* 1989 Feb;9(2):335-6.

Schoen RT. A case revealing the natural history of untreated Lyme disease. *Nat Rev Rheumatol.* 2011 Mar;7(3):179-84. Epub 2010 Dec 21.

Schoen RT. Treatment of Lyme disease. *Conn Med.* 1989 Jun;53(6):335-7.

Schoen RT, Aversa JM, Rahn DW, Steere AC. Treatment of refractory chronic Lyme arthritis with arthroscopic synovectomy. *Arthritis Rheum.* 1991 Aug;34(8):1056-60.

Schönherr U, Strle F. In Aspects of Lyme Borreliosis, Ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag. 1993. pp 248-258.

Scholz HC, Al Dahouk S, Tomaso H, Neubauer H, Witte A, Schloter M, Kämpfer P, Falsen E, Pfeffer M, Engel M. Genetic diversity and phylogenetic relationships of bacteria belonging to the Ochrobactrum-Brucella group by recA and 16S rRNA gene-based comparative sequence analysis. *Syst Appl Microbiol.* 2008 Mar;31(1):1-16. Epub 2008 Jan 28.

Schorn S, Pfister K, Reulen H, Mahling M, Silaghi C. Occurrence of Babesia spp., Rickettsia spp. and Bartonella spp. in *Ixodes ricinus* in Bavarian public parks, Germany. *Parasit Vectors.* 2011 Jul 15;4:135.

Schraga ED. Cat scratch disease in Emergency Medicine. <http://www.emedicine.com/emerg/topic84.htm>. Accessed September 6, 2007.

Schröder G, Schuelein R, Quebatte M, Dehio C. Conjugative DNA transfer into human cells by the VirB/VirD4 type IV secretion system of the bacterial pathogen *Bartonella henselae*. *Proc Natl Acad Sci U S A.* 2011 Aug 30;108(35):14643-8. Epub 2011 Aug 15.

Schroeter V, Belz GG, Blenk H. Paralysis of recurrent laryngeal nerve in Lyme disease. *Lancet.* 1988 Nov 26;2(8622):1245.

Schroff S. Update on emerging infections: news from the Centers for Disease Control and Prevention. *Bartonella quintana* in body lice and head lice from homeless persons, San Francisco, California, USA. *Ann Emerg Med.* 2010 Mar;55(3):280-2; discussion 282-3.

Schuijt TJ, Coumou J, Narasimhan S, Dai J, Deponte K, Wouters D, Brouwer M, Oei A, Roelofs JJ, van Dam AP, van der Poll T, Van't Veer C, Hovius JW, Fikrig E. A tick mannose-binding lectin inhibitor interferes with the vertebrate complement cascade to enhance transmission of the lyme disease agent. *Cell Host Microbe.* 2011 Aug 18;10(2):136-46.

Schulein R, Dehio C. The VirB/VirD4 type IV secretion system of *Bartonella* is essential for establishing intraerythrocytic infection. *Mol Microbiol.* 2002;46(4):1053-67.

Schulein R, Seubert A, Gille C, et al. Invasion and persistent intracellular colonization of erythrocytes. A unique parasitic strategy of the emerging pathogen Bartonella. *J Exp Med.* 2001 May 7;193(9):1077-86.

Schulte B, Linke D, Klumpp S, Schaller M, Riess T, Autenrieth IB, Kempf VA. Bartonella quintana Variably Expressed Outer Membrane Proteins Mediate Vascular Endothelial Growth Factor Secretion but Not Host Cell Adherence. *Infect Immun.* 2006 Sep;74(9):5003-13.

Schultz MG. Who is this man? *Emerg Infect Dis.* 2010 Jun;16(6):1025-7.

Schulze TL, Jordan RA, Hung RW, Puelle RS, Markowski D, Chomsky MS. Prevalence of *Borrelia burgdorferi* in *Ixodes scapularis* adults in New Jersey, 2000-2001. *J Med Entomol.* 2003;40(4):555-8.

Schutzer SE, Angel TE, Liu T, Schepmoes AA, Clauss TR, Adkins JN, Camp DG, Holland BK, Bergquist J, Coyle PK, Smith RD, Fallon BA, Natelson BH. Distinct cerebrospinal fluid proteomes differentiate post-treatment lyme disease from chronic fatigue syndrome. *PLoS One.* 2011 Feb 23;6(2):e17287.

Schwartz BS, Nadelman RB, Fish D, Childs JE, Forseter G, Wormser GP. Entomologic and demographic correlates of anti-tick saliva antibody in a prospective study of tick bite subjects in Westchester County, New York. *Am J Trop Med Hyg.* 1993 Jan;48(1):50-7.

Schwartz E, Regev-Yochay G. Primaquine as prophylaxis for malaria for nonimmune travelers: A comparison with mefloquine and doxycycline. *Clin Infect Dis.* 1999 Dec;29(6):1502-6.

Schwartz I, Bittker S, Bowen SL, Cooper D, Pavia C, Wormser GP. Polymerase chain reaction amplification of culture supernatants for rapid detection of *Borrelia burgdorferi*. *Eur J Clin Microbiol Infect Dis.* 1993 Nov;12(11):879-82.

Schwartz I, Varde S, Nadelman RB, Wormser GP, Fish D. Inhibition of efficient polymerase chain reaction amplification of *Borrelia burgdorferi* DNA in blood-fed ticks. *Am J Trop Med Hyg.* 1997 Mar;56(3):339-42.

Schwartz I, Wormser GP, Schwartz JJ, Cooper D, Weissensee P, Gazumyan A, Zimmerman E, Goldberg NS, Bittker S, Campbell GL, Pavia CS. Diagnosis of early Lyme disease by polymerase chain reaction amplification and culture of skin biopsies from erythema migrans lesions. *J Clin Microbiol.* 1992 Dec;30(12):3082-8.

Schweyer S, Fayyazi A. Activation and apoptosis of macrophages in cat scratch disease. *J Pathol.* 2002 Dec;198(4):534-40.

Scoles GA, Papero M, Beati L, Fish D. A relapsing fever group spirochete transmitted by *Ixodes scapularis* ticks. *Vector Borne Zoonotic Dis.* 2001 Spring;1(1):21-34.

Scolfaro C, Leunga GG, Bezzio S, Chiapello N, Riva C, Balbo L, Bertaina C, Tovo PA. Prolonged follow up of seven patients affected by hepatosplenic granulomata due to cat-scratch disease. *Eur J Pediatr.* 2008 Apr;167(4):471-3. Epub 2007 Jun 1.

Scolfaro C, Mignone F, Gennari F, Alfarano A, Veltri A, Romagnoli R, Salizzoni M. Possible donor-recipient bartonellosis transmission in a pediatric liver transplant. *Transpl Infect Dis.* 2008 Dec;10(6):431-3. Epub 2008 Jul 22.

Scott C, Azwa A, Cohen C, McIntyre M, Desmond N. Cat scratch disease: a diagnostic conundrum. *Int J STD AIDS.* 2009 Aug;20(8):585-6.

Scott JD, Anderson JF, Durden LA. Widespread dispersal of *Borrelia burgdorferi*-infected ticks collected from songbirds across Canada. *J Parasitol.* 2011 Aug 24. [Epub ahead of print]

Scott MC, Rosen ME, Hamer SA, Baker E, Edwards H, Crowder C, Tsao JI, Hickling GJ. High-prevalence *Borrelia miyamotoi* infection among [corrected] wild turkeys (*Meleagris gallopavo*) in Tennessee. *J Med Entomol.* 2010 Nov;47(6):1238-42. Erratum in *J Med Entomol.* 2011 May;48(3):iv.

Scrimenti RJ. Erythema migrans. *Arch Dermatol.* 1970;102:104-5.

Seah AB, Azran MS, Newman NJ. Cat-scratch encephalopathy. *Arch Neurol.* 2004 Jan;61(1):145-7.

Seah AB, Azran MS, Rucker JC, Biousse V, Martin DF, Newman NJ. Magnetic resonance imaging abnormalities in cat-scratch disease encephalopathy. *J Neuroophthalmol.* 2003 Mar;23(1):16-21.

Seals JE, Oken HA. Cat scratch encephalopathy. *Md Med J.* 1999 Jul-Aug;48(4):176-8.

Sedláčková L, Bartosová D, Vydrzalová P, Chrlová K, Zarosská E, Holcíková A, Habanec T, Janecek D. [Abscessing lymphadenitis in a 1.5-year-old boy].[Article in Czech]. *Klin Mikrobiol Infekc Lek.* 2007 Jun;13(3):119-21.

Seemanapalli SV, Xu Q, McShan K, Liang FT. Outer surface protein C is a dissemination-facilitating factor of *Borrelia burgdorferi* during mammalian infection. *PLoS One.* 2010 Dec 31;5(12):e15830.

Seijo MM, Grandes IJ, Sanchez HJ, Garcia-Monco JC. Spontaneous brain hemorrhage associated with Lyme neuroborreliosis. *Neurologia.* 2001 Jan;16(1):43-5.

Seinost G, Dykhuizen DE, Dattwyler RJ, Golde WT, Dunn JJ, Wang IN, Wormser GP, Schriefer ME, Luft BJ. Four clones of *Borrelia burgdorferi* sensu stricto cause invasive infection in humans. *Infect Immun.* 1999 Jul;67(7):3518-24.

Seki N, Sasaki T, Sawabe K, Sasaki T, Matsuoka M, Arakawa Y, Marui E, Kobayashi M. Epidemiological studies on *Bartonella quintana* infections among homeless people in Tokyo, Japan. *Jpn J Infect Dis.* 2006 Feb;59(1):31-5.

Sellati TJ, Bouis DA, Kitchens RL, Darveau RP, Pugin J, Ulevitch RJ, Gangloff SC, Goyert SM, Norgard MV, Radolf JD. *Treponema pallidum* and *Borrelia burgdorferi* lipoproteins and synthetic lipopeptides activate monocytic cells via a CD14-dependent pathway distinct from that used by lipopolysaccharide. *J Immunol.* 1998 Jun 1;160(11):5455-64.

Selmani Z, Pyykko I, Ishizaki H, Ashammakhi N. Use of electro-cochleography for assessing endolymphatic hydrops in patients with Lyme disease and Meniere's disease. *Acta Otolaryngol.* 2002;122(2):173-8.

Selmeczi K, Robert A, Claparols C, Meunier B. Alkylation of human hemoglobin by the antimalarial drug artemisinin. *FEBS Lett.* 2004 Jan 2;(1-3):245-48,556.

Seltzer EG, Shapiro ED. Misdiagnosis of Lyme disease: when not to order serologic tests. *Pediatr Infect Dis J.* 1996 Sep;15(9):762-3.

Seltzer EG, Shapiro ED, Gerber MA. Long-term outcomes of lyme disease. *JAMA.* 2000 Jun 21;283(23):3068-9.

Seltzer EG, Gerber MA, Cartter ML, Freudigman K, Shapiro ED. Long-term outcomes of persons with Lyme disease. *JAMA.* 2000 Feb 2;283(5):609-16.

Semel ME, Tavakkolizadeh A, Gates JD. Babesiosis in the immediate postoperative period after splenectomy for trauma. *Surg Infect (Larchmt).* 2009 Dec;10(6):553-6. Review.

Sen E, Uchishima Y, Okamoto Y, Fukui T, Kadosaka T, Ohashi N, Masuzawa T. Molecular detection of *Anaplasma phagocytophilum* and *Borrelia burgdorferi* in *Ixodes ricinus* ticks from Istanbul metropolitan area and rural Trakya (Thrace) region of north-western Turkey. *Ticks Tick Borne Dis.* 2011 Jun;2(2):94-8. Epub 2011 May 25.

Sereda MJ. Purines 2010: Adenine Nucleosides and Nucleotides in Biomedicine. *IDrugs.* 2010 Aug;13(8):534-8.

Serratrice J, Rolain JM, Granel B, Ene N, Conrath J, Avierinos JF, Disdier P, Raoult D, Weiller PJ. [Bilateral retinal artery branch occlusions revealing *Bartonella grahamii* infection].[Article in French]. *Rev Med Interne.* 2003 Sep;24(9):629-30.

Sethi S, Alcid D, Kesarwala H, Tolan RW Jr. Probable congenital babesiosis in infant, New Jersey, USA. *Emerg Infect Dis.* 2009 May;15(5):788-91.

Setty S, Khalil Z, Schori P, Azar M, Ferrieri P. Babesiosis. Two atypical cases from Minnesota and a review. *Am J Clin Pathol.* 2003 Oct;120(4):554-9.

Seubert A, Hiestand R, de la Cruz F, Dehio C. A bacterial conjugation machinery recruited for pathogenesis. *Mol Microbiol.* 2003;49(5):1253-66.

Sève P, Turner R, Stankovic K, Perard L, Broussolle C. Transient monoclonal gammopathy in a patient with *Bartonella quintana* endocarditis. *Am J Hematol.* 2006 Feb;81(2):115-7.

Seward RJ, Drouin EE, Steere AC, Costello CE. Peptides presented by HLA-DR molecules in synovia of patients with rheumatoid arthritis or antibiotic-refractory Lyme arthritis. *Mol Cell Proteomics.* 2011 Mar;10(3):M110.002477. Epub 2010 Nov 16.

Shadick NA, Phillips CB, Logigian EL, Steere AC, Kaplan RF, Berardi VP, Duray PH, Larson MG, Wright EA, Ginsburg KS, Katz JN, Liang MH. The long-term clinical outcomes of Lyme disease. A population-based retrospective cohort study. Ann Intern Med. 1994 Oct 15;121(8):560-7.

Shah SI. Viewpoint: pancakes and medical statistics. Acad Med. 2005 May;80(5):452-4.

Shamim EA, Shamim SA, Liss G, Nylen E, Pincus JH, Yepes M. Constipation heralding neuroborreliosis: an atypical tale of 2 patients. Arch Neurol. 2005 ;62(4):671-3.

Shanks GD, Edstein MD. Modern malaria chemoprophylaxis. Drugs. 2005;65(15):2091-110.

Shapiro ED. Lyme disease in children. Am J Med. 1995 Apr 24;98(4A):69S-73S. Review.

Shapiro ED. Tick-borne diseases. Adv Pediatr Infect Dis. 1997;13:187-218. Review.

Shapiro ED. Lyme disease. Pediatr Rev. 1998 May;19(5):147-54. Review.

Shapiro ED. Doxycycline for tick bites--not for everyone. N Engl J Med. 2001 Jul 12;345(2):133-4.

Shapiro ED. Long-term outcomes of persons with Lyme disease. Vector Borne Zoonotic Dis. 2002 Winter;2(4):279-81.

Shapiro ED. Lyme disease. Adv Exp Med Biol. 2008;609:185-95. Review.

Shapiro ED, Dattwyler R, Nadelman RB, Wormser GP. Response to meta-analysis of Lyme borreliosis symptoms. Int J Epidemiol. 2005 Dec;34(6):1437-9; author reply 1440-3. Epub 2005 Nov 30.

Shapiro ED, Gerber MA. Lyme disease and facial nerve palsy. Arch Pediatr Adolesc Med. 1997 Dec;151(12):1183-4.

Shapiro ED, Gerber MA. Lyme disease: fact versus fiction. Pediatr Ann. 2002 Mar;31(3):170-7. Review.

Shapiro ED, Gerber MA. Lyme disease. Clin Infect Dis. 2000 Aug;31(2):533-42. Epub 2000 Sep 14. Review.

Shapiro ED, Gerber MA, Holabird NB, Berg AT, Feder HM Jr, Bell GL, Rys PN, Persing DH. A controlled trial of antimicrobial prophylaxis for Lyme disease after deer-tick bites. N Engl J Med. 1992 Dec 17;327(25):1769-73.

Shapiro ED, Seltzer EG. Lyme disease in children. Semin Neurol. 1997 Mar;17(1):39-44. Review.

Shen AK, Mead PS, Beard CB. The Lyme disease vaccine--a public health perspective. Clin Infect Dis. 2011 Feb;52 Suppl 3:s247-52. Review.

Shen S, Shin JJ, Strle K, McHugh G, Li X, Glickstein LJ, Drouin EE, Steere AC. Treg cell numbers and function in patients with antibiotic-refractory or antibiotic-responsive Lyme arthritis. Arthritis Rheum. 2010 Jul;62(7):2127-37.

Sherr VT. Long-term outcomes of Lyme disease. JAMA. 2000 Jun 21;283(23):3068-9

Sherr VT. Panic attacks may reveal previously unsuspected chronic disseminated Lyme disease. J Psychiatr Pract. 2000 Nov;6(6):352-6.

Sherr, VT. Human babesiosis - an unrecorded reality absence of formal registry undermines its detection, diagnosis and treatment, suggesting need for immediate mandatory reporting. Medical Hypotheses. 2004;63(4):609-15.

Sherr VT. Munchausen's syndrome by proxy and Lyme disease: medical misogyny or diagnostic mystery? *Med Hypotheses.* 2005;65(3):440-7.

Shin JJ, Strle K, Glickstein LJ, Luster AD, Steere AC. *Borrelia burgdorferi* stimulation of chemokine secretion by cells of monocyte lineage in patients with Lyme arthritis. *Arthritis Res Ther.* 2010;12(5):R168. Epub 2010 Sep 9.

Shin JJ, Glickstein LJ, Steere AC. High levels of inflammatory chemokines and cytokines in joint fluid and synovial tissue throughout the course of antibiotic-refractory lyme arthritis. *Arthritis Rheum.* 2007 Apr;56(4):1325-35.

Shin OS, Isberg RR, Akira S, Uematsu S, Behera AK, Hu LT. Distinct Roles for MyD88 and Toll-Like Receptors 2, 5, and 9 in Phagocytosis of *Borrelia burgdorferi* and Cytokine Induction. *Infect Immun.* 2008 Jun;76(6):2341-51. Published online 2008 March 31.

Shoemaker RC, Hudnall HK, House DE, Van Kempen A, Pakes GE; COL40155 Study Team. Atovaquone plus cholestyramine in patients coinfecte with Babesia microti and *Borrelia burgdorferi* refractory to other treatment. *Adv Ther.* 2006 Jan-Feb;23(1):1-11.

Shrestha M, Grodzicki RL, Steere AC. Diagnosing early Lyme disease. *Am J Med.* 1985 Feb;78(2):235-40.

Shulman ST. Attention: attention-deficit/ hyperactivity disorder. *Pediatr Ann.* 2008 Jan;37(1):5-6.

Siciliano RF, Strabelli TM, Zeigler R, Rodrigues C, Castelli JB, Grinberg M, Colombo S, da Silva LJ, Mendes do Nascimento EM, Pereira dos Santos FC, Uip DE. Infective endocarditis due to *Bartonella* spp. and *Coxiella burnetii*: experience at a cardiology hospital in Sao Paulo, Brazil. *Ann N Y Acad Sci.* 2006 Oct;1078:215-22.

Sigal LH. Musculoskeletal features of Lyme disease: understanding the pathogenesis of clinical findings helps make appropriate therapeutic choices. *J Clin Rheumatol.* 2011 Aug;17(5):256-65.

Sigal LH, Steere AC, Niederman JC. Symmetric polyarthritis associated with heterophile-negative infectious mononucleosis. *Arthritis Rheum.* 1983 Apr;26(4):553-6.

Sigal LH, Steere AC, Dwyer JM. In vivo and in vitro evidence of B cell hyperactivity during Lyme disease. *J Rheumatol.* 1988 Apr;15(4):648-54.

Sigal LH, Moffat CM, Steere AC, Dwyer JM. Cellular immune findings in Lyme disease. *Yale J Biol Med.* 1984 Jul-Aug;57(4):595-8.

Sigal LH, Steere AC, Freeman DH, Dwyer JM. Proliferative responses of mononuclear cells in Lyme disease. Reactivity to *Borrelia burgdorferi* antigens is greater in joint fluid than in blood. *Arthritis Rheum.* 1986 Jun;29(6):761-9.

Sigal LH. Summary of the first 100 patients seen at a Lyme disease referral center. *Am J Med.* 1990 Jun;88(6):577-81.

Sigal L. Clinical manifestations of Lyme disease. *N J Med.* 1990 Jul;87(7):549-55.

Sigler S, Kershaw P, Scheuch R, Sklarek H, Halperin J. Respiratory failure due to Lyme meningopolyradiculitis. *Am J Med.* 1997;103:544-7.

Sigurdsson MI, Gudnason T, Thorgrímsson S. [Case of the month: A boy with a notable skin rash].[Article in Icelandic]. *Laeknabladid.* 2011 Jan;97(1):35-6.

Sikand VK, Halsey N, Krause PJ, Sood SK, Geller R, Van Hoecke C, Buscarino C, Parenti D; Pediatric Lyme Vaccine Study Group. Safety and immunogenicity of a recombinant *Borrelia burgdorferi* outer surface protein A vaccine against lyme disease in healthy children and adolescents: a randomized controlled trial. *Pediatrics*. 2001 Jul;108(1):123-8.

Sillanpää H, Lahdenne P, Sarvas H, Arnez M, Steere A, Peltomaa M, Seppälä I. Immune responses to borrelial VlsE IR6 peptide variants. *Int J Med Microbiol*. 2007 Feb;297(1):45-52. Epub 2007 Jan 17.

Silva MT, Sophar M, Howard RS, Spencer GT. Neuroborreliosis as a cause of respiratory failure. *J Neurol*. 1995 ;242(9):604-7.

Silveira Cancela M. [Cat scratch disease].[Article in Spanish]. *An Pediatr (Barc)*. 2007 Apr;66(4):419-20.

Simonsson US, Jansson B, Hai TN, Huong DX, Tybring G, Ashton M. Artemisinin autoinduction is caused by involvement of cytochrome P450 2B6 but not 2C9. *Clin Pharmacol Ther*. 2003;74:32-43.

Sindhava V, Woodman ME, Stevenson B, Bondada S. Interleukin-10 Mediated Autoregulation of Murine B-1 B-Cells and Its Role in *Borrelia hermsii* Infection. *PLoS One*. 2010; 5(7): e11445. Published online 2010 July 6.

Singh NP, Lai H. Selective toxicity of dihydroartemisinin and holotransferrin toward human breast cancer cells. *Life Sci*. 2001;70(1):49-56.

Singh NP, Lai HC. Artemisinin induces apoptosis in human cancer cells. *Anticancer Res*. 2004 Jul-Aug;24(4):2277-80.

Singh NP, Lai HC. Synergistic cytotoxicity of artemisinin and sodium butyrate on human cancer cells. *Anticancer Res*. 2005 Nov-Dec;25(6B):4325-31.

Singhal AB, Newstein MC, Budzik R, Cha JH, Rordorf G, Buonanno FS, Panzara MA. Diffusion-weighted magnetic resonance imaging abnormalities in Bartonella encephalopathy. *J Neuroimaging*. 2003 Jan;13(1):79-82.

Siński E. [Effect of coinfections in Ixodidae ticks on transmission of blood microparasites].[Article in Polish]. *Wiad Parazytol*. 2009;55(4):341-7. Review.

Siński E. [Enzootic reservoir for new *Ixodes ricinus*-transmitted infections].[Article in Polish]. *Wiad Parazytol*. 1999;45(2):135-42. Review.

Siński E, Welc-Faleciak R, Pogłód R. Babesia spp. infections transmitted through blood transfusion. *Wiad Parazytol*. 2011;57(2):77-81.

Sivak SL, Aguero-Rosenfeld ME, Nowakowski J, Nadelman RB, Wormser GP. Accuracy of IgM immunoblotting to confirm the clinical diagnosis of early Lyme disease. *Arch Intern Med*. 1996 Oct 14;156(18):2105-9.

Siwula JM, Mathieu G. Acute onset of facial nerve palsy associated with Lyme disease in a 6 year-old child. *Pediatr Dent*. 2002 Nov-Dec;24(6):572-4.

Sjöwall J, Carlsson A, Vaarala O, Bergström S, Ernerudh J, Forsberg P, Ekerfelt C. Innate immune responses in Lyme borreliosis: enhanced tumour necrosis factor- $\alpha$  and interleukin-12 in asymptomatic individuals in response to live spirochetes. *Clin Exp Immunol*. 2005 Jul;141(1):89-98.

Sjöwall J, Fryland L, Nordberg M, Sjögren F, Garpmo U, Jansson C, Carlsson SA, Bergström S, Ernerudh J, Nyman D, Forsberg P, Ekerfelt C. Decreased Th1-type inflammatory cytokine expression in the skin is associated with persisting symptoms after treatment of erythema migrans. *PLoS One*. 2011 Mar 31;6(3):e18220.

Skarpaas T, Ljøstad U, Søbye M, Mygland A. Sensitivity and specificity of a commercial C6 peptide enzyme immuno assay in diagnosis of acute Lyme neuroborreliosis. *Eur J Clin Microbiol Infect Dis.* 2007 Sep;26(9):675-7.

Skotarczak B. [Babesiosis of human and domestic dog; ethiology, pathogenesis, diagnostics].[Article in Polish]. *Wiad Parazytol.* 2007;53(4):271-80. Review.

Skotarczak B, Sawczuk M. [Occurrence of Babesia microti in ticks Ixodes ricinus on selected areas of western Pomerania].[Article in Polish]. *Wiad Parazytol.* 2003;49(3):273-80.

Skrabalo Z, Deanovic Z. Piroplasmosis in man; report of a case. *Doc Med Geogr Trop.* 1957 Mar;9(1):11-6.

Slack GS, Mavin S, Yirrell D, Ho-Yen DO. Is Tayside becoming a Scottish hotspot for Lyme borreliosis? *J R Coll Physicians Edinb.* 2011 Mar;41(1):5-8.

Slatko BE, Taylor MJ, Foster JM. The Wolbachia endosymbiont as an anti-filarial nematode target. *Symbiosis.* 2010 Jul;51(1):55–65. Published online 2010 June 5.

Smajlovic F, Ibralic M. Color Doppler pseudolymphomatous manifestations of the cat scratch disease. *Med Arh.* 2009;63(5):297-9.

Smitsmans A, Goossens VJ, Nulens E, Bruggeman CA. Comparison of five different immunoassays for the detection of *Borrelia burgdorferi* IgM and IgG antibodies. *Clin Microbiol Infect.* 2006 Jul;12(7):648-55.

Smith BE, Tompkins MB, Breitschwerdt EB. Antinuclear antibodies can be detected in dog sera reactive to *Bartonella vinsonii* subsp. *berkhoffii*, *Ehrlichia canis*, or *Leishmania infantum* antigens. *J Vet Intern Med.* 2004 Jan-Feb;18(1):47-51.

Smith BG, Cruz AI Jr, Milewski MD, Shapiro ED. Lyme disease and the orthopaedic implications of lyme arthritis. *J Am Acad Orthop Surg.* 2011 Feb;19(2):91-100. Review.

Smith JL, Israel CW. The presence of spirochetes in late seronegative syphilis. *JAMA.* 1967 Mar 27;199(13):126-30.

Smith JL, Israel CW. Spirochetes in the aqueous humor in seronegative ocular syphilis. Persistence after penicillin therapy. *Arch Ophthalmol.* 1967 Apr;77(4):474-7.

Smith JL, Winward KE, Nicholson DF, Albert DW Retinal vasculitis in Lyme borreliosis. *J Clin Neuroophthalmol.* 1991 Mar;11(1):7-15.

Smith RA, Scott B, Beverley DW, Lyon F, Taylor R. Encephalopathy with retinitis due to cat-scratch disease. *Dev Med Child Neurol.* 2007 Dec;49(12):931-4.

Smith RE, Darling RM. Encephalopathy of cat-scratch disease. *AMA J Dis Child.* 1960 Jan;99:107-8.

Smith RP, Schoen RT, Rahn DW, Sikand VK, Nowakowski J, Parenti DL, Holman MS, Persing DH, Steere AC. Clinical characteristics and treatment outcome of early Lyme disease in patients with microbiologically confirmed erythema migrans. *Ann Intern Med.* 2002 Mar 19;136(6):421-8.

Smith SL, Fishwick L, McLean WG, Edwards G, Ward SA. Enhanced in vitro neurotoxicity of artemisinin derivatives in the presence of haemin. *Biochem Pharmacol.* 1997 Jan 10;53(1):5-10.

Smith SL, Sadler CJ, Dodd CC, Edwards G, Ward SA, Park BK, McLean WG. The role of glutathione in the neurotoxicity of artemisinin derivatives in vitro. *Biochem Pharmacol.* 2001 Feb 15;61(4):409-16.

Smitherman LS, Minnick MF. *Bartonella bacilliformis* GroEL: effect on growth of human vascular endothelial cells in infected cocultures. Ann N Y Acad Sci. 2005 Dec;1063:286-98.

Snydman DR, Schenkein DP, Berardi VP, Lastavica CC, Pariser KM. *Borrelia burgdorferi* in joint fluid in chronic Lyme arthritis. Ann Intern Med. 1986 Jun;104(6):798-800.

Sobraquès M, Maurin M, Birtles RJ, Raoult D. In vitro susceptibilities of four *Bartonella bacilliformis* strains to 30 antibiotic compounds. Antimicrob Agents Chemother. 1999 Aug;43(8):2090-2.

Socolovschi C, Mediannikov O, Raoult D, Parola P. The relationship between spotted fever group Rickettsiae and Ixodid ticks. Vet Res. 2009 Mar-Apr;40(2):34. Published online 2009 April 10.

Solano-Gallego L, Bradley J, Hegarty B, Sigmon B, Breitschwerdt E. *Bartonella henselae* IgG antibodies are prevalent in dogs from southeastern USA. Vet Res. 2004 Sep-Oct;35(5):585-95.

Solano-Gallego L, Hegarty B, Espada Y, Llull J, Breitschwerdt E. Serological and molecular evidence of exposure to arthropod-borne organisms in cats from northeastern Spain. Vet Microbiol. 2006 Dec 20;118(3-4):274-7. Epub 2006 Aug 17.

Solano-Gallego L, Llull J, Osso M, Hegarty B, Breitschwerdt E. A serological study of exposure to arthropod-borne pathogens in dogs from northeastern Spain. Vet Res. 2006 Mar-Apr;37(2):231-44.

Sonenshine DE. The biology of tick vectors of human disease. In: Tick-bourne Diseases of Humans. Ed. JL Goodman, DT Dennis, and DE Sonenshine. Washington, DC:AMS Press. 2005;pp.22-23.

Song AT, Gory M, Roussi J, Salomon J, Cremieux AC, Perronne C, Bernard L. Familial occurrence of cat-scratch disease, with varying clinical expression. Scand J Infect Dis. 2007;39(8):728-30.

Sood A, Panush RS, Pinals RS. Case management study: polyarthritis with fever. *Bull Rheum Dis.* 1998 May;47(3):1-4.

Sood FH, Chaudhari MS. Bartonella bacilliformis or a similar organism and cardiovascular disease. *Med Hypotheses.* 1994 Sep;43(3):135-7.

Sood FH, Khatpe DS, Chaudhari MS, Phatak VD. Microbes and sequestered substances as mechanisms for disease: Bartonella and L-forms as common global etiological agents. *Med Hypotheses.* 1999 Apr;52(4):293-6.

Sood FH, Phatak VD, Chaudhari MS. Bartonellosis and human immunodeficiency disease (AIDS): L-forms as persisters, activating factors, and mechanism of disease. *Med Hypotheses.* 1997 Jun;48(6):511-5.

Sood SK. Lyme disease: recognition, management, and prevention in the primary care setting. *Am J Manag Care.* 1997 Jul;3(7):1063-6; quiz 1068, 1073.

Sood SK. Facial palsy in Lyme disease. *Arch Pediatr Adolesc Med.* 1998 Sep;152(9):928-9.

Sood SK. Lyme disease. *Pediatr Infect Dis J.* 1999 Oct;18(10):913-25. Review.

Sood SK. Lyme disease vaccine as a strategy for prevention. *J Pediatr.* 2001 Apr;138(4):609-10.

Sood SK. Effective retrieval of Lyme disease information on the Web. *Clin Infect Dis.* 2002 Aug 15;35(4):451-64. Epub 2002 Jul 19.

Sood SK. What we have learned about Lyme borreliosis from studies in children. *Wien Klin Wochenschr.* 2006 Nov;118(21-22):638-42. Review.

Sood SK, Ilowite NT. Lyme arthritis in children: is chronic arthritis a common complication? *J Rheumatol.* 2000 Aug;27(8):1836-8.

Sood SK, Rubin LG, Blader ME, Ilowite NT. Positive serology for Lyme borreliosis in patients with juvenile rheumatoid arthritis in a Lyme borreliosis endemic area: analysis by immunoblot. *J Rheumatol.* 1993 Apr;20(4):739-41.

Sood SK, Salzman MB, Johnson BJ, Happ CM, Feig K, Carmody L, Rubin LG, Hilton E, Piesman J. Duration of tick attachment as a predictor of the risk of Lyme disease in an area in which Lyme disease is endemic. *J Infect Dis.* 1997 Apr;175(4):996-9.

Sood SK, Zemel LS, Ilowite NT. Interpretation of immunoblot in pediatric Lyme arthritis. *J Rheumatol.* 1995 Apr;22(4):758-61.

Sowunmi A, Gbotosho GO, Fateye BA, Adedeji AA. Predictors of the failure of treatment with trimethoprim-sulfamethoxazole in children with uncomplicated, Plasmodium falciparum malaria. *Ann Trop Med Parasitol.* 2006 Apr;100(3):205-11.

Spach DH, Panther LA, Thorning DR, Dunn JE, Plorde JJ, Miller RA. Intracerebral bacillary angiomatosis in a patient infected with human immunodeficiency virus. *Ann Intern Med.* 1992 May 1;116(9):740-2.

Spach DH, Shimada JK, Paauw DS. Localized alopecia at the site of erythema migrans. *J Am Acad Dermatol.* 1992 Dec;27(6 Pt 1):1023-4.

Spapen H, Zhang H, Demanet C, et al. Does N-acetyl-L-cysteine influence cytokine response during early human septic shock. *Chest.* 1998;113:1616-24.

Spielman A, Wilson ML, Levine JF, et al. Ecology of *Ixodes dammini*-borne human babesiosis and Lyme disease. *Ann Rev Entomol.* 1985;30:439-60.

Spirin NN, Baranova NS, Fadeeva OA, Shipova EG, Stepanov IO. [Differential aspects of multiple sclerosis and chronic borrelial encephalomyelitis].[Article in Russian]. Zh Nevrol Psichiatr Im S S Korsakova. 2011;111(7):8-12.

Spolidorio MG, Labruna MB, Machado RZ, Moraes-Filho J, Zago AM, Donatele DM, Pinheiro SR, Silveira I, Caliari KM, Yoshinari NH. Survey for tick-borne zoonoses in the state of Espírito Santo, southeastern Brazil. Am J Trop Med Hyg. 2010 Jul;83(1):201-6.

Sreter-Lancz Z, Tornyai K, Szell Z, Sreter T, Marialigeti K. Bartonella infections in fleas (Siphonaptera: Pulicidae) and lack of bartonellae in ticks (Acari: Ixodidae) from Hungary. Folia Parasitol (Praha). 2006;53(4):313-6.

Stafford KC, Massung RF, Magnarelli LA, Ijdo JW, Anderson JF. Infection with the agents of human granulocytic ehrlichiosis, Lyme disease, and babaesiosis in white-footed mice (*Peromyscus leucopus*) in Connecticut. J Clin Microbiol. 1999 Sep;37(9):2887-92.

Staggemeier R, Venker CA, Klein DH, Petry M, Spilki FR, Cantarelli VV. Prevalence of *Bartonella henselae* and *Bartonella clarridgeiae* in cats in the south of Brazil: a molecular study. Mem Inst Oswaldo Cruz. 2010 Nov;105(7):873-8.

Stańczak J. The occurrence of Spotted Fever Group (SFG) Rickettsiae in *Ixodes ricinus* ticks (Acari: Ixodidae) in northern Poland. Ann N Y Acad Sci. 2006 Oct;1078:512-4.

Stańczak J, Myjak P, Bajer A, Siński E, Wedrychowicz H, Majewska AC, Gołab E, Budak A. [Usefulness of the molecular techniques for detecting and/or identifying of parasites and fungi in humans and animals or pathogens transmitted by ticks. Part III].[Article in Polish]. Wiad Parazytol. 2001;47(3):465-75. Review.

Stanek G. [Pandora's Box: pathogens in *Ixodes ricinus* ticks in Central Europe].[Article in German]. Wien Klin Wochenschr. 2009;121(21-22):673-83.

Stanek G, Gray J, Strle F, Wormser G. Lyme borreliosis. Lancet Infect Dis. 2004 Apr;4(4):197-8; discussion 198-9.

Stanek G, Klein J, Bittner R, Glogar D. Isolation of *Borrelia burgdorferi* from the myocardium of a patient with longstanding cardiomyopathy. N Engl J Med. 1990 Jan 25;322(4):249-52.

Stanek G, Reiter M. The expanding Lyme Borrelia complex--clinical significance of genomic species? Clin Microbiol Infect. 2011 Apr;17(4):487-93. Review.

Stanek G, Wormser GP, Gray J, Strle F. Lyme borreliosis. Lancet. 2011 Sep 6. [Epub ahead of print]

Steere AC. Acute monocytic arthritis. Discussion. Arthritis Rheum. 1979 Mar;22(3):300-1.

Steere AC. [Lyme disease--a tick-transmitted spirochete infection]. [Article in Russian]. Ter Arkh. 1987;59(4):32-4.

Steere AC. Pathogenesis of Lyme arthritis. Implications for rheumatic disease. Ann N Y Acad Sci. 1988;539:87-92. Review.

Steere AC. Lyme disease. N Engl J Med. 1989 Aug 31;321(9):586-96. Review.

Steere AC. Clinical definitions and differential diagnosis of Lyme arthritis. Scand J Infect Dis Suppl. 1991;77:51-4. Review.

Steere AC. Lyme disease--1993. Bull Rheum Dis. 1993 Oct;42(6):4-7. Review.

Steere AC. Seronegative Lyme disease. JAMA. 1993 Sep 15;270(11):1369.

Steere AC. Current understanding of Lyme disease. Hosp Pract (Off Ed). 1993 Apr 15;28(4):37-44. Review.

Steere AC. Lyme disease. *Trans Am Acad Insur Med.* 1993;76:73-81. Review.

Steere AC. Treatment of chronic Lyme disease. *Science.* 1996 Mar 1;271(5253):1216-8.

Steere AC. Musculoskeletal manifestations of Lyme disease. *Am J Med.* 1995 Apr 24;98(4A):44S-48S; discussion 48S-51S. Review.

Steere AC. [Lyme arthritis: the joint lesions in Lyme borreliosis in the USA].[Article in Russian]. *Ter Arkh.* 1995;67(11):43-5.

Steere AC. Diagnosis and treatment of Lyme arthritis. *Med Clin North Am.* 1997 Jan;81(1):179-94. Review.

Steere AC. Lyme disease. *N Engl J Med.* 2001 Jul 12;345(2):115-25. Review.

Steere AC. A 58-year-old man with a diagnosis of chronic lyme disease. *JAMA.* 2002 Aug 28;288(8):1002-10.

Steere AC. Duration of antibiotic therapy for Lyme disease. *Ann Intern Med.* 2003 May 6;138(9):761-2.

Steere AC. Lyme borreliosis in 2005, 30 years after initial observations in Lyme Connecticut. *Wien Klin Wochenschr.* 2006 Nov;118(21-22):625-33. Review.

Steere AC. Reply to letter by Volkman commenting on the possible onset of seronegative disease in Lyme arthritis. *Arthritis Rheum.* 2009 Jan;60(1):310.

Steere AC, Angelis SM. Therapy for Lyme arthritis: strategies for the treatment of antibiotic-refractory arthritis. *Arthritis Rheum.* 2006 Oct;54(10):3079-86. Review.

Steere AC, Bartenhagen NH, Craft JE, Hutchinson GJ, Newman JH, Pachner AR, Rahn DW, Sigal LH, Taylor E, Malawista SE. Clinical manifestations of Lyme disease. *Zentralbl Bakteriol Mikrobiol Hyg A*. 1986 Dec;263(1-2):201-5. Review.

Steere AC, Bartenhagen NH, Craft JE, Hutchinson GJ, Newman JH, Rahn DW, Sigal LH, Spieler PN, Stenn KS, Malawista SE. The early clinical manifestations of Lyme disease. *Ann Intern Med*. 1983 Jul;99(1):76-82.

Steere AC, Batsford WP, Weinberg M, Alexander J, Berger HJ, Wolfson S, Malawista SE. Lyme carditis: cardiac abnormalities of Lyme disease. *Ann Intern Med*. 1980 Jul;93(1):8-16.

Steere AC, Berardi VP, Weeks KE, Logopian EL, Ackermann R. Evaluation of the intrathecal antibody response to *Borrelia burgdorferi* as a diagnostic test for Lyme neuroborreliosis. *J Infect Dis*. 1990 Jun;161(6):1203-9.

Steere AC, Brinckerhoff CE, Miller DJ, Drinker H, Harris ED Jr, Malawista SE. Elevated levels of collagenase and prostaglandin E2 from synovium associated with erosion of cartilage and bone in a patient with chronic Lyme arthritis. *Arthritis Rheum*. 1980 May;23(5):591-9.

Steere AC, Broderick TF, Malawista SE. Erythema chronicum migrans and Lyme arthritis: epidemiologic evidence for a tick vector. *Am J Epidemiol*. 1978 Oct;108(4):312-21.

Steere AC, Coburn J, Glickstein L. The emergence of Lyme disease. *J Clin Invest*. 2004 Apr;113(8):1093-101. Review.

Steere AC, Dhar A, Hernandez J, Fischer PA, Sikand VK, Schoen RT, Nowakowski J, McHugh G, Persing DH. Systemic symptoms without erythema migrans as the presenting picture of early Lyme disease. *Am J Med*. 2003 Jan;114(1):58-62.

Steere AC, Drouin EE, Glickstein LJ. Relationship between immunity to *Borrelia burgdorferi* outer-surface protein A (OspA) and Lyme arthritis. *Clin Infect Dis.* 2011 Feb;52 Suppl 3:s259-65. Review.

Steere AC, Duray PH, Butcher EC. Spirochetal antigens and lymphoid cell surface markers in Lyme synovitis. Comparison with rheumatoid synovium and tonsillar lymphoid tissue. *Arthritis Rheum.* 1988 Apr;31(4):487-95.

Steere AC, Duray PH, Kauffmann DJ, Wormser GP. Unilateral blindness caused by infection with the Lyme disease spirochete, *Borrelia burgdorferi*. *Ann Intern Med.* 1985 Sep;103(3):382-4.

Steere AC, Dwyer E, Winchester R. Association of chronic Lyme arthritis with HLA-DR4 and HLA-DR2 alleles. *N Engl J Med.* 1990 Jul 26;323(4):219-23. Erratum in: *N Engl J Med.* 1991 Jan 10;324(2):129.

Steere AC, Falk B, Drouin EE, Baxter-Lowe LA, Hammer J, Nepom GT. Binding of outer surface protein A and human lymphocyte function-associated antigen 1 peptides to HLA-DR molecules associated with antibiotic treatment-resistant Lyme arthritis. *Arthritis Rheum.* 2003 Feb;48(2):534-40.

Steere AC, Gibofsky A, Patarroyo ME, Winchester RJ, Hardin JA, Malawista SE. Chronic Lyme arthritis. Clinical and immunogenetic differentiation from rheumatoid arthritis. *Ann Intern Med.* 1979 Jun;90(6):896-901.

Steere AC, Glickstein L. Elucidation of Lyme arthritis. *Nat Rev Immunol.* 2004 Feb;4(2):143-52. Review.

Steere AC, Green J, Hutchinson GJ, Rahn DW, Pachner AR, Schoen RT, Sigal LH, Taylor E, Malawista SE. Treatment of Lyme disease. *Zentralbl Bakteriol Mikrobiol Hyg A.* 1987 Feb;263(3):352-6.

Steere AC, Green J, Schoen RT, Taylor E, Hutchinson GJ, Rahn DW, Malawista SE. Successful parenteral penicillin therapy of established Lyme arthritis. *N Engl J Med.* 1985 Apr 4;312(14):869-74.

Steere AC, Grodzicki RL, Craft JE, Shrestha M, Kornblatt AN, Malawista SE. Recovery of Lyme disease spirochetes from patients. *Yale J Biol Med.* 1984 Jul-Aug;57(4):557-60.

Steere AC, Grodzicki RL, Kornblatt AN, Craft JE, Barbour AG, Burgdorfer W, Schmid GP, Johnson E, Malawista SE. The spirochetal etiology of Lyme disease. *N Engl J Med.* 1983 Mar 31;308(13):733-40.

Steere AC, Gross D, Meyer AL, Huber BT. Autoimmune mechanisms in antibiotic treatment-resistant lyme arthritis. *J Autoimmun.* 2001 May;16(3):263-8. Review.

Steere AC, Hardin JA, Malawista SE. Erythema chronicum migrans and Lyme arthritis: cryoimmunoglobulins and clinical activity of skin and joints. *Science.* 1977 Jun 3;196(4294):1121-2.

Steere AC, Hardin JA, Malawista SE. Lyme arthritis: a new clinical entity. *Hosp Pract.* 1978 Apr;13(4):143-58.

Steere AC, Hardin JA, Malawista SE. Erythema chronicum migrans and Lyme arthritis: related problems recently recognized in Connecticut. *Conn Med.* 1978 Jun;42(6):353-7.

Steere AC, Hardin JA, Ruddy S, Mummaw JG, Malawista SE. Lyme arthritis: correlation of serum and cryoglobulin IgM with activity, and serum IgG with remission. *Arthritis Rheum.* 1979 May;22(5):471-83.

Steere AC, Hutchinson GJ, Rahn DW, Sigal LH, Craft JE, DeSanna ET, Malawista SE. Treatment of the early manifestations of Lyme disease. *Ann Intern Med.* 1983 Jul;99(1):22-6.

Steere AC, Klitz W, Drouin EE, Falk BA, Kwok WW, Nepom GT, Baxter-Lowe LA. Antibiotic-refractory Lyme arthritis is associated with HLA-DR molecules that bind a *Borrelia burgdorferi* peptide. *J Exp Med.* 2006 Apr 17;203(4):961-71. Epub 2006 Apr 3.

Steere AC, Levin RE, Molloy PJ, Kalish RA, Abraham JH 3rd, Liu NY, Schmid CH. Treatment of Lyme arthritis. *Arthritis Rheum.* 1994 Jun;37(6):878-88.

Steere AC, Malawista SE. Cases of Lyme disease in the United States: locations correlated with distribution of *Ixodes dammini*. *Ann Intern Med.* 1979 Nov;91(5):730-3.

Steere AC, Malawista SE, Bartenhagen NH, Spieler PN, Newman JH, Rahn DW, Hutchinson GJ, Green J, Snydman DR, Taylor E. The clinical spectrum and treatment of Lyme disease. *Yale J Biol Med.* 1984 Jul-Aug;57(4):453-61.

Steere AC, Malawista SE, Hardin JA, Ruddy S, Askenase W, Andiman WA. Erythema chronicum migrans and Lyme arthritis. The enlarging clinical spectrum. *Ann Intern Med.* 1977 Jun;86(6):685-98.

Steere AC, Malawista SE, Newman JH, Spieler PN, Bartenhagen NH. Antibiotic therapy in Lyme disease. *Ann Intern Med.* 1980 Jul;93(1):1-8.

Steere AC, Malawista SE, Syndman DR, Shope RE, Andiman WA, Ross MR, Steele FM. Lyme arthritis: an epidemic of oligoarticular arthritis in children and adults in three Connecticut communities. *Arthritis Rheum.* 1977;Jan-Feb;20(1):7-17.

Steere AC, McHugh G, Damle N, Sikand VK. Prospective study of serologic tests for lyme disease. *Clin Infect Dis.* 2008 Jul 15;47(2):188-95.

Steere AC, McHugh G, Suarez C, Hoitt J, Damle N, Sikand VK. Prospective study of coinfection in patients with erythema migrans. *Clin Infect Dis.* 2003 Apr 15;36(8):1078-81. Epub 2003 Mar 31.

Steere AC, Pachner AR, Malawista SE. Neurologic abnormalities of Lyme disease: successful treatment with high-dose intravenous penicillin. *Ann Intern Med.* 1983 Dec;99(6):767-72.

Steere AC, Schoen RT, Taylor E. The clinical evolution of Lyme arthritis. *Ann Intern Med.* 1987 Nov;107(5):725-31.

Steere AC, Sikand VK. The presenting manifestations of Lyme disease and the outcomes of treatment. *N Engl J Med.* 2003 Jun 12;348(24):2472-4.

Steere AC, Sikand VK, Schoen RT, Nowakowski J. Asymptomatic infection with *Borrelia burgdorferi*. *Clin Infect Dis.* 2003 Aug 15;37(4):528-32. Epub 2003 Jul 30.

Steere AC, Sikand VK, Meurice F, Parenti DL, Fikrig E, Schoen RT, Nowakowski J, Schmid CH, Laukamp S, Buscarino C, Krause DS. Vaccination against Lyme disease with recombinant *Borrelia burgdorferi* outer-surface lipoprotein A with adjuvant. *Lyme Disease Vaccine Study Group.* *N Engl J Med.* 1998 Jul 23;339(4):209-15.

Steere AC, Snydman D, Murray P, Mensch J, Main AJ Jr, Wallis RC, Shope RE, Malawista SE. Historical perspective of Lyme disease. *Zentralbl Bakteriol Mikrobiol Hyg A.* 1986 Dec;263(1-2):3-6.

Steere AC, Taylor E, McHugh GL, Logigian EL. The overdiagnosis of Lyme disease. *JAMA.* 1993 Apr 14;269(14):1812-6.

Steere AC, Taylor E, Wilson ML, Levine JF, Spielman A. Longitudinal assessment of the clinical and epidemiological features of Lyme disease in a defined population. *J Infect Dis.* 1986 Aug;154(2):295-300.

Stein SL, Solvason HB, Biggart E, Spiegel D. A 25-year-old woman with hallucinations, hypersexuality, nightmares, and a rash. *Am J Psychiatry.* 1996 Apr;153(4):545-51.

Steiner FE, Pinger RR, Vann CN, Abley MJ, Sullivan B, Grindle N, Clay K, Fuqua C. Detection of *Anaplasma phagocytophilum* and *Babesia odocoilei* DNA in *Ixodes scapularis* (Acari: Ixodidae) collected in Indiana. *J Med Entomol.* 2006;43:437-42.

Steiner FE, Pinger RR, Vann CN, Grindle N, Civitello D, Clay K, Fuqua C. Infection and co-infection rates of *Anaplasma phagocytophilum* variants, *Babesia* spp., *Borrelia burgdorferi*, and the rickettsial endosymbiont in *Ixodes scapularis* (Acari: Ixodidae) from sites in Indiana, Maine, Pennsylvania, and Wisconsin. *J Med Entomol.* 2008 Mar;45(2):289-97.

Steiner G. Morphology of spirochaeta myelophthora in multiple sclerosis. *J Neuropathol Exp Neurol.* 1954 Jan;13(1):221-9.

Steiner G. Acute plaques in multiple sclerosis, their pathogenic significance and the role of spirochaetes as etiological factor. *J Neuropathol Exp Neurol.* 1952 Oct;11(4):343-72.

Steiner G. Morphologic appearances of spirochetal reproduction in tissues. *Archives of Pathology:* 189-199. 1940.

Steiner G. Krankheitserreger und Gewebsbefund bei multipler Sklerose: Vergleichend-histologisch-parasitologische Untersuchungen bei multipler Sklerose und anderen Spirochatosen. *Ergebn. d. Hyg., Bakt., Immunitätsforsch. u. exper. Therap.* 1931;12:269-464.

Steiner RD. Evidence based medicine in inborn errors of metabolism: is there any and how to find it. *Am J Med Genet A.* 2005 Apr 15;134A(2):192-7.

Stek CJ, van Eijk JJ, Jacobs BC, Enting RH, Sprenger HG, van Alfen N, van Assen S. Neuralgic amyotrophy associated with *Bartonella henselae* infection. *J Neurol Neurosurg Psychiatry.* 2011 Jun;82(6):707-8. Epub 2010 Aug 14.

Stevenson HL, Estes MD, Thirumalapura NR, Walker DH, Ismail N. Natural Killer Cells Promote Tissue Injury and Systemic Inflammatory Responses During Fatal Ehrlichia-Induced Toxic Shock-Like Syndrome. *Am J Pathol.* 2010 Aug;177(2):766-76. Epub 2010 Jul 8.

Stevenson HL, Jordan JM, Peerwani Z, Wang HQ, Walker DH, Ismail N. An Intradermal Environment Promotes a Protective Type-1 Response against Lethal Systemic Monocytotropic Ehrlichial Infection. *Infect Immun.* 2006 Aug;74(8):4856-64.

Stiernstedt G, Eriksson G, Enfors W, Jörbeck H, Svenungsson B, Sköldenberg B, Granström M. Erythema chronicum migrans in Sweden: clinical manifestations and antibodies to *Ixodes ricinus* spirochete measured by indirect immunofluorescence and enzyme-linked immunosorbent assay. *Scand J Infect Dis.* 1986;18(3):217-24.

Stiernstedt G, Gustafsson R, Karlsson M, Svenungsson B, Skoldenberg B. Clinical manifestations and diagnosis of neuroborreliosis. *Ann NY Acad Sci.* 1988;539:46-55.

Stiernstedt GT, Sköldenberg BR, Vandvik B, Hederstedt B, Gårde A, Kolmodin G, Jörbäck H, Svenungsson B. Chronic meningitis and Lyme disease in Sweden. *Yale J Biol Med.* 1984 Jul-Aug;57(4):491-7.

Stiles J. Bartonellosis in cats: a role in uveitis? *Vet Ophthalmol.* 2011 Sep;14 Suppl 1:9-14.

Stockmeyer B, Schoerner C, Frangou P, Moriabadi T, Heuss D, Harrer T. Chronic vasculitis and polyneuropathy due to infection with *Bartonella henselae*. *Infection.* 2007 Apr;35(2):107-9.

Stramer SL, Hollinger FB, Katz LM, Kleinman S, Metzel PS, Gregory KR, Dodd RY. Emerging infectious disease agents and their potential threat to transfusion safety. *Transfusion.* 2009 Aug;49 Suppl 2:1S-29S.

Straubinger RK. PCR-based quantification of *Borrelia burgdorferi* organisms in canine tissues over a 500-day postinfection period. *J Clin Microbiol.* 2000 Jun;38(6):2191-9.

Straubinger RK, Straubinger AF, Jacobson RH, Chang Y, Summer BA, Hollis N, Appel M. Two lessons from the canine model of Lyme Disease: migration of *Borrelia burgdorferi* in tissues and persistence after antibiotic treatment. 1997. *Journal of Spirochetal & Tick-borne Diseases*, Vol. 4, No. 1/2.

Straubinger RK, Straubinger AF, Summers BA, Jacobson RH. Status of *Borrelia burgdorferi* Infection after antibiotic treatment and the effects of corticosteroids: an experimental study. *Journal of Infectious Diseases*, 2000. 181(3):1069-1081.

Straubinger RK, Straubinger AF, Summers BA, Jacobson RH, Erb HN. Clinical manifestations, pathogenesis, and effect of antibiotic treatment on Lyme borreliosis in dogs. 1998. *Wien Klin Wochenschr*, 110(24):874-81.

Straubinger RK, Summers BA, Chang YF, Appel MJ. Persistence of *Borrelia burgdorferi* in experimentally infected dogs after antibiotic treatment. *J Clin Microbiol*. 1997 Jan;35(1):111-6.

Stricker RB. Counterpoint: long-term antibiotic therapy improves persistent symptoms associated with lyme disease. *Clin Infect Dis*. 2007 Jul 15;45(2):149-57. Epub 2007 Jun 5. Review.

Stricker RB. Lyme disease controversy: use and misuse of language. *Ann Intern Med*. 2002 Nov 5;137(9):775-7; author reply 775-7.

Stricker RB. Counterpoint: long-term antibiotic therapy improves persistent symptoms associated with lyme disease. *Clin Infect Dis*. 2007 Jul 15;45(2):149-57. Epub 2007 Jun 5. Review.

Stricker RB, Brewer JH, Burrascano JJ, Horowitz R, Johnson L, Phillips SE, Savel VR, Sherr VT. Possible role of tick-borne infection in “cat-scratch disease”: comment on the article by Giladi et al. *Arthritis Rheum*. 2006 Jul;54(7):2347-8.

Stricker RB, Burrascano JJ, Harris NS, Horowitz R, Johnson L, Smith PV, Phillips SE. Coinfection with *Borrelia burgdorferi* and *Babesia microti*: bad or worse? *J Infect Dis.* 2006 Mar 15;193(6):901-2; author reply 902.

Stricker RB, Burrascano J, Winger E. Longterm decrease in the CD57 lymphocyte subset in a patient with chronic Lyme disease. *Ann Agric Environ Med.* 2002;9(1):111-3.

Stricker RB, Corson AF, Johnson L. Reinfection versus relapse in patients with lyme disease: not enough evidence. *Clin Infect Dis.* 2008 Mar 15;46(6):950; author reply 950-1.

Stricker RB, Delong AK, Green CL, Savelly VR, Chamallas SN, Johnson L. Benefit of intravenous antibiotic therapy in patients referred for treatment of neurologic Lyme disease. *Int J Gen Med.* 2011;4:639-46. Epub 2011 Sep 6.

Stricker RB, Gaito A, Harris NS, Burrascano JJ. Coinfection in patients with lyme disease: how big a risk? *Clin Infect Dis.* 2003 Nov 1;37(9):1277-8; author reply 1278-9.

Stricker RB, Gaito A, Harris NS, Burrascano JJ. Treatment of early Lyme disease. *Ann Intern Med.* 2004 Apr 6;140(7):577; author reply 577-8.

Stricker RB, Johnson L. Lyme disease: a turning point. *Expert Rev Anti Infect Ther.* 2007 Oct;5(5):759-62.

Stricker RB, Johnson L. Lyme wars: let's tackle the testing. *BMJ.* 2007 Nov 17;335(7628):1008.

Stricker RB, Johnson L. Persistent *Borrelia burgdorferi* infection after treatment with antibiotics and anti-tumor necrosis factor-alpha. *J Infect Dis.* 2008 May 1;197(9):1352-3.

Stricker RB, Johnson L. Searching for autoimmunity in “antibiotic-refractory” Lyme arthritis. *Mol Immunol.* 2008 Jun;45(11):3023-4. Epub 2008 Apr 18.

Stricker RB, Johnson L. Re: Practice parameter: treatment of nervous system Lyme disease (an evidence-based review): report of the Quality Standards Subcommittee of the American Academy of Neurology. *Neurology.* 2008 May 6;70(19):1719; author reply 1719-20.

Stricker RB, Johnson L. Serologic tests for lyme disease: more smoke and mirrors. *Clin Infect Dis.* 2008 Oct 15;47(8):1111-2; author reply 1112-3.

Stricker RB, Johnson L. Re: Prolonged Lyme disease treatment: enough is enough. *Neurology.* 2008 Oct 21;71(17):1380; author reply 1380-1.

Stricker RB, Johnson L. Chronic Lyme disease and the ‘Axis of Evil’. *Future Microbiol.* 2008 Dec;3(6):621-4. Review.

Stricker RB, Johnson L. The Infectious Diseases Society of America Lyme guidelines: poster child for guidelines reform. *South Med J.* 2009 Jun;102(6):565-6.

Stricker RB, Johnson L. Gender bias in chronic lyme disease. *J Womens Health (Larchmt).* 2009 Oct;18(10):1717-8; author reply 1719-20.

Stricker RB, Johnson L. Long-term outcomes in patients with early lyme disease: more false hope? *Clin Infect Dis.* 2010 Jun 15;50(12):1683-4; author reply 1684.

Stricker RB, Johnson L. Letter to the editor re “Anti-neural antibody reactivity in patients with a history of Lyme borreliosis and persistent symptoms” by Chandra et al. *Brain Behav Immun.* 2010 Aug;24(6):1025; author reply 1026. Epub 2010 Apr 24.

Stricker RB, Johnson L. Persistent symptoms following treatment of early Lyme disease: false hope? *Am J Med.* 2010 Aug;123(8):e25; author reply e27-8.

Stricker RB, Johnson L. Lyme disease diagnosis and treatment: lessons from the AIDS epidemic. *Minerva Med.* 2010 Dec;101(6):419-25. Review.

Stricker RB, Johnson L. The Lyme disease chronicles, continued. Chronic Lyme disease: in defense of the patient enterprise. *FASEB J.* 2010 Dec;24(12):4632-3; author reply 4633-4.

Stricker RB, Johnson L. Lyme disease: the next decade. *Infect Drug Resist.* 2011;4:1-9. Epub 2011 Jan 7.

Stricker RB, Johnson L. "Lyme literacy" and physicians in Connecticut. *J Pediatr.* 2011 Mar;158(3):518-9; author reply 519-20. Epub 2011 Jan 13.

Stricker RB, Johnson L. 'Rare' infections mimicking multiple sclerosis: consider Lyme disease. *Clin Neurol Neurosurg.* 2011 Apr;113(3):259-60. Epub 2010 Dec 18.

Stricker RB, Johnson L, Harris N, Burrascano JJ. Inaccurate information about lyme disease on the internet. *Pediatr Infect Dis J.* 2005 Jun;24(6):577-8; author reply 578-9.

Stricker RB, Lautin A. The Lyme Wars: time to listen. *Expert Opin Investig Drugs.* 2003 Oct;12(10):1609-14.

Stricker RB, Lautin A. Lyme disease and optic neuritis: long-term follow-up of seropositive patients. *Neurology.* 2003 Oct 28;61(8):1162; author reply 1162-3.

Stricker RB, Lautin A, Burrascano JJ. Lyme disease: the quest for magic bullets. *Chemotherapy.* 2006;52(2):53-9. Epub 2006 Feb 22. Review.

Stricker RB, Lautin A, Burrascano JJ. Lyme disease: point/counterpoint. *Expert Rev Anti Infect Ther.* 2005 Apr;3(2):155-65. Review.

Stricker RB, Maloney EL. Acute infection with human monocytic ehrlichiosis: the tip of the iceberg? *South Med J.* 2008 Feb;101(2):214-5.

Stricker RB, McNeil EL. Duration of antibiotic therapy for Lyme disease. *Ann Intern Med.* 2004 Feb 17;140(4):W6; author reply W7.

Stricker RB, Phillips SE. Lyme disease without erythema migrans: cause for concern? *Am J Med.* 2003 Jul;115(1):72-3; author reply 73-4.

Stricker RB, Savel VR, Motanya NC, Giclas PC. Complement split products c3a and c4a in chronic lyme disease. *Scand J Immunol.* 2009 Jan;69(1):64-9.

Stricker RB, Winger EE. Decreased CD57 lymphocyte subset in patients with chronic Lyme disease. *Immunol Lett.* 2001 Feb 1;76(1):43-8.

Stricker RB, Winger EE. Holmes-Adie syndrome and Lyme disease. *Lancet.* 2001 Mar 10;357(9258):805.

Stricker RB, Winger EE. Musical hallucinations in patients with Lyme disease. *South Med J.* 2003 Jul;96(7):711-5.

Stricker RB, Winger EE. Natural killer cells in chronic Lyme disease. *Clin Vaccine Immunol.* 2009 Nov;16(11):1704; author reply 1704-6.

Strle F, Cheng Y, Cimperman J, Maraspin V, Lotric-Furlan S, Nelson JA, et al. Persistence of *Borrelia burgdorferi* sensu lato in resolved erythema migrans lesions. *Clin Infect Dis.* 1995 Aug;21(2):380-389.

Strle F, Nadelman RB, Cimperman J, Nowakowski J, Picken RN, Schwartz I, Maraspin V, Aguero-Rosenfeld ME, Varde S, Lotric-Furlan S, Wormser GP. Comparison of culture-confirmed erythema migrans caused by *Borrelia burgdorferi* sensu stricto in New York State and by *Borrelia afzelii* in Slovenia. *Ann Intern Med.* 1999 Jan 5;130(1):32-6.

Strle K, Drouin EE, Shen S, Khouri JE, McHugh G, Ruzic-Sabljic E, Strle F, Steere AC. *Borrelia burgdorferi* stimulates macrophages to secrete higher levels of cytokines and chemokines than *Borrelia afzelii* or *Borrelia garinii*. *J Infect Dis.* 2009 Dec 15;200(12):1936-43.

Strle K, Jones KL, Drouin EE, Li X, Steere AC. *Borrelia burgdorferi* RST1 (OspC type A) genotype is associated with greater inflammation and more severe Lyme disease. *Am J Pathol.* 2011 Jun;178(6):2726-39.

Stübs G, Fingerle V, Zähringer U, Schumann RR, Rademann J, Schröder NW. Acylated cholesteryl galactosides are ubiquitous glycolipid antigens among *Borrelia burgdorferi* sensu lato. *FEMS Immunol Med Microbiol.* 2011 Oct;63(1):140-3. Epub 2011 Jun 27.

Stupica D, Lusa L, Cerar T, Ružić-Sabljić E, Strle F. Comparison of post-Lyme Borreliosis symptoms in erythema migrans patients with positive and negative *Borrelia burgdorferi* sensu lato skin culture. *Vector Borne Zoonotic Dis.* 2011 Jul;11(7):883-9. Epub 2010 Nov 17.

Subeki, Nomura S, Matsuura H, Yamasaki M, Yamato O, Maede Y, Katakura K, Suzuki M, Trimurningsih, Chairul, Yoshihara T. Anti-babesial activity of some central kalimantan plant extracts and active oligostilbenoids from *Shorea balangeran*. *Planta Med.* 2005 May;71(5):420-3.

Sugerman HJ, Kral JG. Evidence-based medicine reports on obesity surgery: a critique. *Int J Obes (Lond).* 2005 Jul;29(7):735-45.

Sugiyama H, Sahara M, Imai Y, Ono M, Okamoto K, Kikuchi K, Nagai R. Infective endocarditis by *Bartonella quintana* masquerading as antineutrophil cytoplasmic antibody-associated small vessel vasculitis. *Cardiology.* 2009;114(3):208-11. Epub 2009 Jul 15.

Suh B, Chun JK, Yong D, Lee YS, Jeong SH, Yang WI, Kim DS. A report of cat scratch disease in Korea confirmed by PCR amplification of the 16S-23S rRNA intergenic region of *Bartonella henselae*. Korean J Lab Med. 2010 Feb;30(1):34-7.

Suksawat J, Xuejie Y, Hancock SI, Hegarty BC, Nilkumhang P, Breitschwerdt EB. Serologic and molecular evidence of coinfection with multiple vector-borne pathogens in dogs from Thailand. J Vet Intern Med. 2001 Sep-Oct;15(5):453-62.

Sultan SZ, Pitzer JE, Boquoi T, Hobbs G, Miller MR, Motaleb MA. Analysis of the HD-GYP domain cyclic dimeric GMP phosphodiesterase reveals a role in motility and the enzootic life cycle of *Borrelia burgdorferi*. Infect Immun. 2011 Aug;79(8):3273-83. Epub 2011 Jun 13.

Sun J, Fu G, Lin J, Song X, Lu L, Liu Q. Seroprevalence of *Bartonella* in Eastern China and analysis of risk factors. BMC Infect Dis. 2010 May 20;10:121.

Sun WC, Han JX, Yang WY, Deng DA, Yue XF. [Antitumor activities of 4 derivatives of artemisic acid and artemisinin B in vitro]. [Article in Chinese]. Zhongguo Yao Li Xue Bao. 1992 Nov;13(6):541-3. Erratum in: Chung Kuo Yao Li Hsueh Pao 1993;14:192.

Sun Y, Liu G, Yang L, Xu R, Cao W. Babesia microti-like rodent parasites isolated from *Ixodes persulcatus* (Acari: Ixodidae) in Heilongjiang Province, China. Vet Parasitol. 2008 Oct 1;156(3-4):333-9. Epub 2008 May 23.

Suputtamongkol Y, Newton PN, Angus B, Teja-Isavadharm P, Keeratithakul D, Rasameesoraj M, Pukrittayakamee S, White NJ. A comparison of oral artesunate and artemether antimalarial bioactivities in acute falciparum malaria. Br J Clin Pharmacol. 2001 Dec;52(6):655-61.

Sureda A, García D, Loma-Osorio P. [Emolic stroke as the first manifestation of *Bartonella henselae* endocarditis in an immunocompetent patient].[Article in Spanish]. Enferm Infect Microbiol Clin. 2010 Jan;28(1):64-5. Epub 2009 May 1.

Svensson US, Ashton M. Identification of the human cytochrome P450 enzymes involved in the in vitro metabolism of artemisinin. Br J Clin Pharmacol. 1999 Oct;48:528-35.

Svensson US, Sandstrom R, Carlborg O, Lennernas H, Ashton M. High *in situ* rat intestinal permeability of artemisinin unaffected by multiple dosing and with no evidence of P-glycoprotein involvement. Drug Metab Dispos. 1999 Feb;27(2):227-32.

Sweeney CJ, Ghassemi M, Agger WA, Persing DH. Coinfection with *Babesia microti* and *Borrelia burgdorferi* in a western Wisconsin resident. Mayo Clinic Proc. 1998 Apr;73(4):338-41.

Swei A, Meentemeyer R, Briggs CJ. Influence of abiotic and environmental factors on the density and infection prevalence of *Ixodes pacificus* (Acari:Ixodidae) with *Borrelia burgdorferi*. J Med Entomol. 2011 Jan;48(1):20-8.

Swei A, Ostfeld RS, Lane RS, Briggs CJ. Impact of the experimental removal of lizards on Lyme disease risk. Proc Biol Sci. 2011 Oct 7;278(1720):2970-8. Epub 2011 Feb 16.

Sykes JE. Feline hemotropic mycoplasmas. J Vet Emerg Crit Care (San Antonio). 2010 Feb;20(1):62-9. Review.

Sykes JE, Lindsay LL, Maggi RG, Breitschwerdt EB. Human coinfection with *Bartonella henselae* and two hemotropic mycoplasma variants resembling *Mycoplasma ovis*. J Clin Microbiol. 2010 Oct;48(10):3782-5. Epub 2010 Aug 11.

Szajewska H. Advances and limitations of evidence-based medicine--impact for probiotics. Ann Nutr Metab. 2010;57 Suppl:6-9. Epub 2010 Sep 8. Review.

Szaleniec J, Oleś K, Składzień J, Strek P. [Cat scratch disease--an underestimated diagnosis].[Article in Polish]. Otolaryngol Pol. 2009 May-Jun;63(3):271-3.

Sze CW, Li C. Inactivation of bb0184, which encodes carbon storage regulator A, represses the infectivity of *Borrelia burgdorferi*. Infect Immun. 2011 Mar;79(3):1270-9. Epub 2010 Dec 20.

Szer IS, Taylor E, Steere AC. The long-term course of Lyme arthritis in children. N Engl J Med. 1991 Jul 18;325(3):159-63.

Szyfelbein WM, Ross JS. Lyme disease meningopolyneuritis simulating malignant lymphoma. Mod Pathology. 1988 Nov;1(6):464-8.

Tabara K, Arai S, Kawabuchi T, Itagaki A, Ishihara C, Satoh H, Okabe N, Tsuji M. Molecular survey of Babesia microti, Ehrlichia species and *Candidatus neoehrlichia mikurensis* in wild rodents from Shimane Prefecture, Japan. Microbiol Immunol. 2007;51(4):359-67.

Täger FM, Jahnsen KJ, Mediavilla RM, Burgos LR. [Ocular bartonellosis: report of three clinical cases]. [Article in Spanish]. Rev Chilena Infectol. 2008 Feb;25(1):58-63. Epub 2008 Feb 8.

Tager FA, Fallon BA, Keilp J, Rissenberg M, Jones CR, Liebowitz MR. A controlled study of cognitive deficits in children with chronic Lyme disease. J Neuropsychiatry Clin Neurosci. 2001 Fall;13(4):500-7.

Taiwo B, Lee C, Venkat D, Tambar S, Sutton SH. Can tumor necrosis factor alpha blockade predispose to severe babesiosis? Arthritis Rheum. 2007 Feb 15;57(1):179-81.

Takahashi Y, Fukunaga M. Physical mapping of the *Borrelia miyamotoi* HT31 chromosome in comparison with that of *Borrelia turicatae*, an etiological agent of tick-borne relapsing fever. Clin Diagn Lab Immunol. 1996 Sep;3(5):533-40.

Takahashi Y, Sohnaka M, Nakao M, Miyamoto K, Fukunaga M. Characterization of *Borrelia* species isolated from ixodid ticks, *Ixodes ovatus*. *Microbiol Immunol*. 1993;37(9):721-7.

Takano A, Nakao M, Masuzawa T, Takada N, Yano Y, Ishiguro F, Fujita H, Ito T, Ma X, Oikawa Y, Kawamori F, Kumagai K, Mikami T, Hanaoka N, Ando S, Honda N, Taylor K, Tsubota T, Konnai S, Watanabe H, Ohnishi M, Kawabata H. Multilocus sequence typing implicates rodents as the main reservoir host of human-pathogenic *Borrelia garinii* in Japan. *J Clin Microbiol*. 2011 May;49(5):2035-9. Epub 2011 Mar 16.

Takeda N, Ishiwada N, Fukasawa C, Furuya Y, Tsuneoka H, Tsukahara M, Kohno Y. [Pediatric pneumonia, pleural effusion, and pericarditis following cat scratch disease and serological cross-reactions among *Bartonella henselae* and *Rickettsia japonica* determined by indirect fluorescence antibodies].[Article in Japanese]. *Kansenshogaku Zasshi*. 2007 Mar;81(2):206-9.

Talour K, Karam A, Dreux N, Lemasson G, Gilbert D, Abasq C, Misery L. Incipiens linear IgA disease with IgA antibodies directed against 200-kDa epidermal antigens. *Eur J Dermatol*. 2011 May-Jun;21(3):411-2.

Tampieri MP, Galuppi R, Bonoli C, Cancrini G, Moretti A, Pietrobelli M. Wild ungulates as Babesia hosts in northern and central Italy. *Vector Borne Zoonotic Dis*. 2008 Oct;8(5):667-74.

Tan D, Hwang W, Ng HJ, Goh YT, Tan P. Successful treatment of idiopathic hypereosinophilic syndrome with imatinib mesylate: a case report. *Int J Hematol*. 2004;80(1):75-77.

Tang YW. Duplex PCR assay simultaneously detecting and differentiating *Bartonella quintana*, *B. henselae*, and *Coxiella burnetii* in surgical heart valve specimens. *J Clin Microbiol*. 2009 Aug;47(8):2647-50. Epub 2009 Jun 24.

Tangpukdee N, Krudsood S, Thanachartwet W, Chalermrut K, Pengruksa C, Srivilairit S, Silachamroon U, Wilairatana P, Phongtananant S, Kano S, Looareesuwan S. An open randomized clinical trial of Artekin vs artesunate-mefloquine in the treatment of acute uncomplicated falciparum malaria. Southeast Asian J Trop Med Public Health. 2005 Sept;36(5):1085-91.

Tarasow E, Ustymowicz A, Zajkowska J, Hermanowska-Szpakowicz T. [Neuroborreliosis: CT and MRI findings in 14 cases]. [Article in Polish]. Neurol Neurochir Pol. 2001 Sep-Oct;35(5):803-13.

Tasato D, Tateyama M, Inamine M, Hibiya K, Tamaki Y, Haranaga S, Yara S, Higa F, Maruyama S, Fujita J. [Case report: a case of cat scratch disease in elderly patient needed to differentiate tuberculous lymphadenitis].[Article in Japanese]. Nihon Naika Gakkai Zasshi. 2011 Jul 10;100(7):1969-71.

Tasher D, Armarnik E, Mizrahi A, Liat BS, Constantini S, Grisaru-Soen G. Cat scratch disease with cervical vertebral osteomyelitis and spinal epidural abscess. Pediatr Infect Dis J. 2009 Sep;28(9):848-50.

Tatro JB, Romero LI, Beasley D, Steere AC, Reichlin S. *Borrelia burgdorferi* and *Escherichia coli* lipopolysaccharides induce nitric oxide and interleukin-6 production in cultured rat brain cells. J Infect Dis. 1994 May;169(5):1014-22.

Tauber SC, Ribes S, Ebert S, Heinz T, Fingerle V, Bunkowski S, Kugelstadt D, Spreer A, Jahn O, Eiffert H, Nau R. Long-term intrathecal infusion of outer surface protein C from *Borrelia burgdorferi* causes axonal damage. J Neuropathol Exp Neurol. 2011 Sep;70(9):748-57.

Tavakoli NP, Wang H, Dupuis M, Hull R, Ebel GD, Gilmore EJ, Faust PL. Fatal Case of Deer Tick Virus Encephalitis. N Engl J Med. 2009 May 14; 360(20): 2099–2107.

Tefferi A. Modern diagnosis and treatment of primary eosinophilia. Acta Haematol. 2005;114(1):52-60.

Telfer S, Birtles R, Bennett M, Lambin X, Paterson S, Begon M. Parasite interactions in natural populations: insights from longitudinal data. *Parasitology*. 2008 Jun;135(7):767-81. Epub 2008 May 12.

Telfer S, Lambin X, Birtles R, Beldomenico P, Burthe S, Paterson S, Begon M. Species interactions in a parasite community drive infection risk in a wildlife population. *Science*. 2010 Oct 8;330(6001):243-6.

Telford SR III, Gorenflo A, Brasseur P and Spielman A. Babesial infections in humans and wildlife. In: *Parasitic protozoa*. 2nd ed. JP Kreier (ed.). San Diego, CA: Academic Press. 1993. pp.1-47.

Telford SR 3rd, Wormser GP. Bartonella spp. transmission by ticks not established. *Emerg Infect Dis*. 2010 Mar;16(3):379-84. Review.

ten Hove CH, Gubler FM, Kiezebrink-Lindenholz HH. Back pain in a child caused by cat scratch disease. *Pediatr Infect Dis J*. 2009 Mar;28(3):258.

Terrada C, Bodaghi B, Conrath J, Raoult D, Drancourt M. Uveitis: an emerging clinical form of Bartonella infection. *Clin Microbiol Infect*. 2009 Dec;15 Suppl 2:132-3. Epub 2009 Jun 22.

Terekhova D, Iyer R, Wormser GP, Schwartz I. Comparative genome hybridization reveals substantial variation among clinical isolates of *Borrelia burgdorferi* sensu stricto with different pathogenic properties. *J Bacteriol*. 2006 Sep;188(17):6124-34.

Terekhova D, Sartakova ML, Wormser GP, Schwartz I, Cabello FC. Erythromycin resistance in *Borrelia burgdorferi*. *Antimicrob Agents Chemother*. 2002 Nov;46(11):3637-40.

Terkawi MA, Jia H, Zhou J, Lee EG, Igarashi I, Fujisaki K, Nishikawa Y, Xuan X. Babesia gibsoni ribosomal phosphoprotein P0 induces cross-protective immunity against *B. microti* infection in mice. *Vaccine*. 2007 Mar 1;25(11):2027-35. Epub 2006 Dec 8.

Thera MA, Sehdev PS, Coulibaly D, Traore K, Garba MN, Cissoko Y, Kone A, Guindo A, Dicko A, Beavogui AH, Djimde AA, Lyke KE, Diallo DA, Doumbo OK, Plowe CV. Impact of trimethoprim-sulfamethoxazole prophylaxis on falciparum malaria infection and disease. *J Infect Dis.* 2005 Nov 15;192(10):1823-9. Epub 2005 Oct 13.

Thirumalapura NR, Crossley EC, Walker DH, Ismail N. Persistent Infection Contributes to Heterologous Protective Immunity against Fatal Ehrlichiosis. *Infect Immun.* 2009 December; 77(12): 5682–5689. Published online 2009 October 5.

Thirumalapura NR, Stevenson HL, Walker DH, Ismail N. Protective Heterologous Immunity against Fatal Ehrlichiosis and Lack of Protection following Homologous Challenge. *Infect Immun.* 2008 May; 76(5): 1920–1930. Published online 2008 February 19.

Thomas, MJ. Occasional Newsletter from the Blood Care Foundation. 2003 Dec. 3. [www.bloodcare.org.uk/pdfs/Newsletter%20No%2021.pdf](http://www.bloodcare.org.uk/pdfs/Newsletter%20No%2021.pdf) Accessed 2006 Sept 1.

Thomas S, Thirumalapura NR, Crossley EC, Ismail N, Walker DH. Antigenic protein modifications in Ehrlichia. *Parasite Immunol.* 2009 June; 31(6): 296–303.

Thomford JW, Conrad PA, Telford SR, Mathiesen M, Bowman BH, Spielman A, Eberhard ML, Herwaldt BL, Quick RE, and DH Persing. Cultivation and Phylogenetic Characterization of a Newly Recognized Human Pathogenic Protozoan. *J Infect Dis.* 1994;169:1050-1056.

Thompson C, Spielman A, Krause PJ. Coinfected deer-associated zoonoses: Lyme disease, babesiosis, and ehrlichiosis. *Clinical Infectious Diseases* 2001;33(5):676-85.

Thriemer K, Wernsdorfer G, Rojanawatsirivit C, Kollaritsch H, Sirichainsinthop J, Wernsdorfer WH. In vitro activity of artemisinin alone and in combination with retinol against *Plasmodium falciparum*. *Wien Klin Wochenschr.* 2005;117 Suppl 4:45-48.

Thudi KR, Kreikemeier JT, Phillips NJ, Salvalaggio PR, Kennedy DJ, Hayashi PH. Cat scratch disease causing hepatic masses after liver transplant. *Liver Int.* 2007 Feb;27(1):145-8.

Ticona E, Huaroto L, Garcia Y, Vargas L, Madariaga MG. The pathophysiology of the acute phase of human bartonellosis resembles AIDS. *Med Hypotheses.* 2010 Jan;74(1):45-9. Epub 2009 Aug 7.

Tijssse-Klasen E, Fonville M, Gassner F, Nijhof AM, Hovius EK, Jongejan F, Takken W, Reimerink JR, Overgaauw PA, Sprong H. Absence of zoonotic *Bartonella* species in questing ticks: first detection of *Bartonella clarridgeiae* and *Rickettsia felis* in cat fleas in the Netherlands. *Parasit Vectors.* 2011 Apr 18;4:61.

Tijssse-Klasen E, Jacobs JJ, Swart A, Fonville M, Reimerink JH, Brandenburg AH, van der Giessen JW, Hofhuis A, Sprong H. Small risk of developing symptomatic tick-borne diseases following a tick bite in The Netherlands. *Parasit Vectors.* 2011 Feb 10;4:17.

Tison F, Boulan P, Le Bail B, Catry-Thomas I, Ragnaud JM, Henry P. [Encephalopathy in cat scratch disease].[Article in French]. *Presse Med.* 1995 Nov 18;24(35):1664.

Tjernberg I, Henningsson AJ, Eliasson I, Forsberg P, Ernerudh J. Diagnostic performance of cerebrospinal fluid chemokine CXCL13 and antibodies to the C6-peptide in Lyme neuroborreliosis. *J Infect.* 2011 Feb;62(2):149-58. Epub 2010 Nov 16.

Todd S, Xu J, Millar BC, Moore JE, Crowe M, Raoult D, Harrison T, Hill C, Douglas J. Culture-negative *Bartonella* endocarditis in a patient with renal failure: the value of molecular methods in diagnosis. *Br J Biomed Sci.* 2004;61(4):190-3. Review.

Tokarz R, Jain K, Bennett A, Briese T, Lipkin WI. Assessment of polymicrobial infections in ticks in New York state. *Vector Borne Zoonotic Dis.* 2010 Apr;10(3):217-21.

Tokunaga H, Ohyagi Y, Furuya H, Araki T, Yamada T, Isogai E, Kira J. [A patient with neuroborreliosis presenting gadolinium-enhanced MRI lesions in bilateral facial nerves].[Article in Japanese]. Rinsho Shinkeigaku, 41(9):632-4. 2001.

Toledo A, Olmeda AS, Escudero R, Jado I, Valcárcel F, Casado-Nistal MA, Rodríguez-Vargas M, Gil H, Anda P. Tick-borne zoonotic bacteria in ticks collected from central Spain. Am J Trop Med Hyg. 2009 Jul;81(1):67-74.

Toledo Rdos S, Tamekuni K, Haydu VB, Vidotto O. [Seasonal dynamics of Amblyomma ticks (Acari:Ixodidae) in an urban Park of Londrina City, Paraná, Brazil].[Article in Portuguese]. Rev Bras Parasitol Vet. 2008 Sep;17 Suppl 1:50-4.

Tonnetti L, Eder AF, Dy B, Kennedy J, Pisciotto P, Benjamin RJ, Leiby DA. Transfusion-transmitted Babesia microti identified through hemovigilance. Transfusion. 2009 Dec;49(12):2557-63. Epub 2009 Jul 16.

Tonnetti L, Proctor MC, Reddy HL, Goodrich RP, Leiby DA. Evaluation of the Mirasol pathogen [corrected] reduction technology system against Babesia microti in apheresis platelets and plasma. Transfusion. 2010 May;50(5):1019-27. Epub 2009 Dec 18. Erratum in: Transfusion. 2010 Jul;50(7):1594.

Toovey S, Jamieson A. Audiometric changes associated with the treatment of uncomplicated falciparum malaria with co-artemeter. Trans R Soc Trop Med Hyg. 2004;98:261-267.

Toovey S. Effects of weight, age, and time on artemether-lumefantrine associated ototoxicity and evidence of irreversibility. Travel Med Infect Dis. 2006;4:71-76.

Toovey S. Safety of Artemisinin Antimalarials. Clinical Infectious Diseases. 2006;42:1214-1215.

Torina A, Alongi A, Scimeca S, Vicente J, Caracappa S, de la Fuente J. Prevalence of tick-borne pathogens in ticks in Sicily. *Transbound Emerg Dis.* 2010 Apr;57(1-2):46-8.

Torina A, Caracappa S. Anaplasmosis in cattle in Italy. *Vet Res Commun.* 2007 Aug;31 Suppl 1:73-8.

Torina A, Vicente J, Alongi A, Scimeca S, Turlá R, Nicosia S, Di Marco V, Caracappa S, de la Fuente J. Observed prevalence of tick-borne pathogens in domestic animals in Sicily, Italy during 2003-2005. *Zoonoses Public Health.* 2007;54(1):8-15.

Torres JR, Sanders CV, Strub RL, Black FW. Cat-scratch disease causing reversible encephalopathy. *JAMA.* 1978 Oct 6;240(15):1628-9.

Torres L, Almazán C, Ayllón N, Galindo RC, Rosario-Cruz R, Quiroz-Romero H, de la Fuente J. Functional genomics of the horn fly, *Haematobia irritans* (Linnaeus, 1758). *BMC Genomics.* 2011; 12: 105. Published online 2011 February 10.

Touyama M, Uezu K, Nakamoto A, Shinzato T, Higa F, Tateyama M, Saito A, Nakamura M, Tsuneoka H, Tsukahara M. [A case of cat scratch disease with encephalopathy].[Article in Japanese]. *Kansenshogaku Zasshi.* 2002 Feb;76(2):113-7.

Tran TN, Forestier CL, Drancourt M, Raoult D, Aboudharam G. Brief communication: co-detection of *Bartonella quintana* and *Yersinia pestis* in an 11th-15th burial site in Bondy, France. *Am J Phys Anthropol.* 2011 Jul;145(3):489-94. Epub 2011 May 3.

Tran TN, Signoli M, Fozzati L, Aboudharam G, Raoult D, Drancourt M. High throughput, multiplexed pathogen detection authenticates plague waves in medieval Venice, Italy. *PLoS One.* 2011 Mar 10;6(3):e16735.

Treeprasertsuk S, Krudsood S, Tosukhowong T, Maek-A-Nantawat W, Vannaphan S, Saengnethswang T, Looareesuwan S, Kuhn WF, Brittenham G, Carroll J. N-acetylcysteine in severe falciparum malaria in Thailand. *Southeast Asian J Trop Med Public Health.* 2003 Mar;34(1):37-42.

Treib J, Fernandez A, Haass A, Grauer MT, Holzer G, Woessner R. Clinical and serologic follow-up in patients with neuroborreliosis. 1998. *Neurology,* Nov;51(5):1489-91.

Trock DH, Craft JE, Rahn DW. Clinical manifestations of Lyme disease in the United States. *Conn Med.* 1989 Jun;53(6):327-30.

Trollmo C, Meyer AL, Steere AC, Hafler DA, Huber BT. Molecular mimicry in Lyme arthritis demonstrated at the single cell level: LFA-1 alpha L is a partial agonist for outer surface protein A-reactive T cells. *J Immunol.* 2001 Apr 15;166(8):5286-91.

Trombert-Paolantoni S, Clairet V, Gaulier E, Figarella P. [Evaluation of a in house serology reagent for the diagnosis of cat-scratch disease defined by PCR].[Article in French]. *Pathol Biol (Paris).* 2007 Nov;55(8-9):441-5. Epub 2007 Oct 1.

Trout RT, Steelman CD, Szalanski AL. Phylogenetics and population genetics of the louse fly, *Lipoptena mazamae*, from Arkansas, USA. *Med Vet Entomol.* 2010 Sep;24(3):258-65. Epub 2010 Jun 1.

Truttmann MC, Rhomberg TA, Dehio C. Combined action of the type IV secretion effector proteins BepC and BepF promotes invasome formation of *Bartonella henselae* on endothelial and epithelial cells. *Cell Microbiol.* 2011 Feb;13(2):284-99. Epub 2010 Oct 22.

Tsai KH, Huang CG, Fang CT, Shu PY, Huang JH, Wu WJ. Prevalence of *Rickettsia felis* and the first identification of *Bartonella henselae* Fizz/CAL-1 in cat fleas (Siphonaptera: Pulicidae) from Taiwan. *J Med Entomol.* 2011 Mar;48(2):445-52.

Tsai YL, Chang CC, Chuang ST, Chomel BB. Bartonella species and their ectoparasites: selective host adaptation or strain selection between the vector and the mammalian host? *Comp Immunol Microbiol Infect Dis.* 2011 Jul;34(4):299-314. Epub 2011 May 25.

Tsai YL, Lin CC, Chomel BB, Chuang ST, Tsai KH, Wu WJ, Huang CG, Yu JC, Sung MH, Kass PH, Chang CC. Bartonella infection in shelter cats and dogs and their ectoparasites. *Vector Borne Zoonotic Dis.* 2011 Aug;11(8):1023-30. Epub 2010 Dec 13.

Tsao CY. Generalized tonic-clonic status epilepticus in a child with cat-scratch disease and encephalopathy. *Clin Electroencephalogr.* 1992 Apr;23(2):65-7.

Tsuji N, Miyoshi T, Battsetseg B, Matsuo T, Xuan X, Fujisaki K. A cysteine protease is critical for Babesia spp. transmission in Haemaphysalis ticks. *PLoS Pathog.* 2008 May 16;4(5):e1000062.

Tsuneoka H, Tsukahara M. Analysis of data in 30 patients with cat scratch disease without lymphadenopathy. *J Infect Chemother.* 2006 Aug;12(4):224-6.

Tsuneoka H, Yanagihara M, Nojima J, Ichihara K. Antimicrobial susceptibility by Etest of Bartonella henselae isolated from cats and human in Japan. *J Infect Chemother.* 2010 Dec;16(6):446-8. Epub 2010 Jun 22.

Tsuneoka H, Yanagihara M, Otani S, Katayama Y, Fujinami H, Nagafuji H, Asari S, Nojima J, Ichihara K. A first Japanese case of Bartonella henselae-induced endocarditis diagnosed by prolonged culture of a specimen from the excised valve. *Diagn Microbiol Infect Dis.* 2010 Oct;68(2):174-6.

Tucci E, Della Rocca C, Santilli F. Localized bacillary angiomatosis in the oral cavity: observations about a neoplasm with atypical behavior. Description of a case and review of the literature. *Minerva Stomatol.* 2006 Jan-Feb;55(1-2):67-75.

Tuerk M, Cheng LS, Konia T, Armstrong AW. Umbilicated erythematous papules in an immunocompromised patient. Lancet Infect Dis. 2011 Jun;11(6):488.

Tugwell P, Dennis DT, Weinstein A, Wells G, Shea B, Nichol G, Hayward R, Lightfoot R, Baker P, Steere AC. Laboratory evaluation in the diagnosis of Lyme disease. Ann Intern Med. 1997 Dec 15;127(12):1109-23.

Tuney SS, Hastey CJ, Hodzic E, Feng S, Barthold SW, Baumgarth N. Lymphadenopathy during lyme borreliosis is caused by spirochete migration-induced specific B cell activation. PLoS Pathog. 2011 May;7(5):e1002066. Epub 2011 May 26.

Tuttle AD, Birkenheuer AJ, Juopperi T, Levy MG, Breitschwerdt EB. Concurrent bartonellosis and babesiosis in a dog with persistent thrombocytopenia. J Am Vet Med Assoc. 2003 Nov 1;223(9):1306-10, 1280-1.

Tuuminen T, Hedman K, Söderlund-Venermo M, Seppälä I. Acute parvovirus B19 infection causes nonspecificity frequently in *Borrelia* and less often in *Salmonella* and *Campylobacter* serology, posing a problem in diagnosis of infectious arthropathy. Clin Vaccine Immunol. 2011 Jan;18(1):167-72. Epub 2010 Nov 24.

Ullmann AJ, Gabitzsch ES, Schulze TL, Zeidner NS, Piesman J. Three multiplex assays for detection of *Borrelia burgdorferi* sensu lato and *Borrelia miyamotoi* sensu lato in field-collected *Ixodes* nymphs in North America. J Med Entomol. 2005 Nov;42(6):1057-62.

Umekoji A, Fukai K, Yanagihara S, Ono E, Sowa J, Ishii M. Rapid detection of *Bartonella henselae* heat shock protein DNA by nested polymerase chain reaction from swollen lymph nodes of a patient with cat-scratch disease. J Dermatol. 2009 Oct;36(10):548-50.

Umemoto T, Namikawa I, Yoshii Z, Konishi H. An internal view of the spherical body of *Treponema macrodentium* as revealed by scanning electron microscopy. Microbiol Immunol. 1982;26(3):191-8.

Umemoto T, Namikawa, I, Yamamoto M. Colonial morphology of treponemes observed by electron microscopy. *Microbiol Immunol.* 1984;28:11-22.

Umemoto T, Namikawa I. Electron microscopy of the spherical bodies of oral spirochetes in vitro. *Microbiol Immunol.* 1980;24:321-334.

United States of America Department of Health and Human Services Food and Drug Administration Center for Biologics Evaluation and Research Vaccines and Related Biological products Advisory Committee Meeting, May 26, 1998.

University of Virginia Health System. Hematology and Blood Disorders. What is G6PD Deficiency? [Monograph on the Internet]. Available from:

[http://www.healthsystem.virginia.edu/uvahealth/adult\\_blood/glucose.cfm](http://www.healthsystem.virginia.edu/uvahealth/adult_blood/glucose.cfm)

Vaarala O. Binding profiles of anticardiolipin antibodies in sera from patients with SLE and infectious diseases. *J Autoimmun.* 1991 Oct;4(5):819-30.

Valentine KH, Harms CA, Cadenas MB, Birkenheuer AJ, Marr HS, Braun-McNeill J, Maggi RG, Breitschwerdt EB. Bartonella DNA in loggerhead sea turtles. *Emerg Infect Dis.* 2007 Jun;13(6):949-50.

Valesov H, Mailer J, Havlík J, Hulínská D, Hercogová J. Long-term results in patients with Lyme arthritis following treatment with ceftriaxone. *Infection.* 1996 Jan-Feb;24(1):98-102.

Valesova H, Mailer J, Havlik J, Hulinska D, Hercogova J. Long-term results in patients with Lyme arthritis following treatment with ceftriaxone. 1996. *Infection,* 24(1):98-102.

Valverde-Gubianas M, Ramos-López JF, López-Torres JA, Toribio-García M, Milla-Peñaiver C, Gálvez Torres-Puchol J, Medialdea-Marcos S. [Neuroretinitis. Clinical cases].[Article in Spanish]. Arch Soc Esp Oftalmol. 2009 Aug;84(8):389-94.

Van Agtmael MA, Eggelte TA and CJ van Boxtel. Artmisinin drugs in the treatment of malaria: from medicinal herb to registered medication. Trends Pharmacol. Sci. 1999 May;20:199-205.

Van Agtmael MA, Gupta V, van der Wosten, et al. Grapefruit juice increases the bioavailability of artemether. Eur. J. Clin. Pharmacol. 1999;55:405-10.

Van der Linde MR, Ballmer PE. Lyme carditis. In Aspects of Lyme Borreliosis. Ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag. 1993. pp 131-151.

van der Veer-Meerkirk M, van Zaanen HC. Visceral involvement in an immunocompetent male: a rare presentation of cat scratch disease. Neth J Med. 2008 Apr;66(4):160-2.

van Duivenvoorde LM, Voorberg-van der Wel A, van der Werff NM, Braskamp G, Remarque EJ, Kondova I, Kocken CH, Thomas AW. Suppression of Plasmodium cynomolgi in rhesus macaques by coinfection with Babesia microti. Infect Immun. 2010 Mar;78(3):1032-9. Epub 2010 Jan 4.

Van Heerden J, Reyers F, Stewart CG. Treatment and thrombocyte levels in experimentally induced canine ehrlichiosis and canine babesiosis. Onderstepoort J Vet Res. 1983 Dec;50(4):267-70.

Vannier E, Gewurz BE, Krause PJ. Human babesiosis. Infect Dis Clin North Am. 2008 Sep;22(3):469-88, viii-ix. Review.

Vannier E, Krause PJ. Update on babesiosis. Interdiscip Perspect Infect Dis. 2009;2009:984568. Epub 2009 Aug 27.

Varagnol M, Parola P, Jouan R, Beaucournu JC, Rolain JM, Raoult D. First detection of Rickettsia felis and Bartonella clarridgeiae in fleas from Laos. Clin Microbiol Infect. 2009 Dec;15 Suppl 2:334-5. Epub 2009 May 2.

Varanat M, Broadhurst J, Linder KE, Maggi RG, Breitschwerdt EB. Identification of Bartonella henselae in 2 Cats With Pyogranulomatous Myocarditis and Diaphragmatic Myositis. Vet Pathol. 2011 Apr 13. [Epub ahead of print]

Varanat M, Maggi RG, Linder KE, Horton S, Breitschwerdt EB. Cross-contamination in the molecular detection of Bartonella from paraffin-embedded tissues. Vet Pathol. 2009 Sep;46(5):940-4. Epub 2009 May 9.

Varanat M, Travis A, Lee W, Maggi RG, Bissett SA, Linder KE, Breitschwerdt EB. Recurrent osteomyelitis in a cat due to infection with Bartonella vinsonii subsp. berkhoffii genotype II. J Vet Intern Med. 2009 Nov-Dec;23(6):1273-7. Epub 2009 Aug 26.

Varde S, Wormser GP, Nowakowski J, Nadelman RB, Bittker S, Cooper D, Schwartz I. Lyme disease: disparity between culture and polymerase chain reaction detection of *Borrelia burgdorferi* after exposure to ceftriaxone in vitro. Conn Med. 1999 Oct;63(10):589-91.

Vartiovaara I. Living with Lyme. 1995. Lancet, 345:842-4.

Varis A, Oksi J, Järveläinen H. [Central nervous system infection--tick-borne encephalitis, neuroborreliosis or both?]. [Article in Finnish]. Duodecim. 2011;127(1):75-9.

Vasconcellos-Silva PR, Castiel LD. [Proliferation of paradigmatic ruptures: the case of evidence-based medicine]. [Article in Portuguese]. Rev Saude Publica. 2005 Jun;39(3):498-506. Epub 2005 Jun 30.

Vasil'eva IS, Gutova VP, Ershova AS. [The parasitic system of human babesiosis]. [Article in Russian]. Med Parazitol (Mosk). 2008 Jan-Mar;(1):36-40. Review.

Vassallo C, Ardigò M, Brazzelli V, Zecca M, Locatelli F, Alessandrino PE, Lazzarino M, Corona S, Lanzerini P, Benazzo M, Fabbi M, Borroni G. Bartonella-related pseudomembranous angiomatous papillomatosis of the oral cavity associated with allogeneic bone marrow transplantation and oral graft-versus-host disease. *Br J Dermatol.* 2007 Jul;157(1):174-8. Epub 2007 Jun 6.

Vásquez T P, Chanqueo C L, García C P, Poggi M H, Ferrés G M, Bustos M M, Piottante B A. [Bacillary angiomatosis caused by Bartonella quintana in an human immunodeficiency virus positive patient].[Article in Spanish]. *Rev Chilena Infectol.* 2007 Apr;24(2):155-9. Epub 2007 Apr 12.

Vayssier-Taussat M, Le Rhun D, Bonnet S, Cotté V. Insights in Bartonella host specificity. *Ann N Y Acad Sci.* 2009 May;1166:127-32. Review.

Vayssier-Taussat M, Le Rhun D, Deng HK, Biville F, Cescau S, Danchin A, Marignac G, Lenaour E, Boulouis HJ, Mavris M, Arnaud L, Yang H, Wang J, Quebatte M, Engel P, Saenz H, Dehio C. The Trw type IV secretion system of Bartonella mediates host-specific adhesion to erythrocytes. *PLoS Pathog.* 2010 Jun 10;6(6):e1000946.

Vaz A, Glickstein L, Field JA, McHugh G, Sikand VK, Damle N, Steere AC. Cellular and humoral immune responses to *Borrelia burgdorferi* antigens in patients with culture-positive early Lyme disease. *Infect Immun.* 2001 Dec;69(12):7437-44.

Vázquez M, Muehlenbein C, Carter M, Hayes EB, Ertel S, Shapiro ED. Effectiveness of personal protective measures to prevent Lyme disease. *Emerg Infect Dis.* 2008 Feb;14(2):210-6.

Vázquez M, Sparrow SS, Shapiro ED. Long-term neuropsychologic and health outcomes of children with facial nerve palsy attributable to Lyme disease. *Pediatrics.* 2003 Aug;112(2):e93-7.

Vento A, Pätilä T, Vaara M, Larinkari U, Sipponen J. Bartonella quintana and Bartonella pediococcus Infection after Aortic Valve Replacement Heart Surg Forum. 2008;11(2):E94-5.

Velho PE. Blood transfusion as an alternative bartonellosis transmission in a pediatric liver transplant. Transpl Infect Dis. 2009 Oct;11(5):474.

Velho PE, Pimentel V, Del Negro GM, Okay TS, Diniz PP, Breitschwerdt EB. Severe anemia, panserositis, and cryptogenic hepatitis in an HIV patient infected with *Bartonella henselae*. Ultrastruct Pathol. 2007 Nov-Dec;31(6):373-7.

Vento A, Pätilä T, Vaara M, Larinkari U, Sipponen J. Bartonella quintana and Bartonella pediococcus Infection after Aortic Valve Replacement. Heart Surg Forum. 2008;11(2):E94-5.

Vermeulen MJ, Diederjen BM, Verbakel H, Peeters MF. Low sensitivity of *Bartonella henselae* PCR in serum samples of patients with cat-scratch disease lymphadenitis. J Med Microbiol. 2008 Aug;57(Pt 8):1049-50.

Vermeulen MJ, Herremans M, Verbakel H, Bergmans AM, Roord JJ, van Dijken PJ, Peeters MF. Serological testing for *Bartonella henselae* infections in The Netherlands: clinical evaluation of immunofluorescence assay and ELISA. Clin Microbiol Infect. 2007 Jun;13(6):627-34. Epub 2007 Mar 22.

Vermeulen MJ, Peeters MF, Verbakel H, de Moor RA, Roord JJ, van Dijken PJ. No etiological role for *Bartonella henselae* infection in Henoch Schönlein purpura. Pediatr Infect Dis J. 2009 Dec;28(12):1142-3.

Vermeulen MJ, Rutten GJ, Verhagen I, Peeters MF, van Dijken PJ. Transient paresis associated with cat-scratch disease: case report and literature review of vertebral osteomyelitis caused by *Bartonella henselae*. Pediatr Infect Dis J. 2006 Dec;25(12):1177-81. Review.

Vermeulen MJ, Verbakel H, Notermans DW, Reimerink JH, Peeters MF. Evaluation of sensitivity, specificity and cross-reactivity in *Bartonella henselae* serology. *J Med Microbiol.* 2010 Jun;59(Pt 6):743-5. Epub 2010 Mar 11.

Veselinović D. [Bartonella henselae as a cause of optical nerve neuritis].[Article in Serbian]. *Vojnosanit Pregl.* 2006 Nov;63(11):971-4.

Viader F , Poncelet AM , Chapon F , Thenint JP , et al. Neurologic forms of Lyme disease. 12 cases. *Rev Neurol (Paris)*, 145(5):362-8 1989.

Vial C, Petiot P, Latombe D, Ruel JH, Confavreux C, Trillet M, Bady B. [Paralysis of abdominal muscles caused by Lyme disease]. [Article in French]. *Rev Neurol (Paris)*. 1993;149(12):810-2.

Vikram HR, Bacani AK, DeValeria PA, Cunningham SA, Cockerill FR 3rd. Bivalvular *Bartonella henselae* prosthetic valve endocarditis. *J Clin Microbiol.* 2007 Dec;45(12):4081-4. Epub 2007 Oct 17.

Vincent JL. Evidence-based medicine in the ICU: important advances and limitations. *Chest.* 2004 Aug;126(2):592-600.

Vincent JM, Demers DM, Bass JW. Infectious exanthems and unusual infections. *Adolesc Med.* 2000;11(2):327-358.

Vitale G, Incandela S, Incandela C, Micalizzi A, Mansueto P. Isolation and characterization of *Bartonella quintana* from the parotid gland of an immunocompetent man. *J Clin Microbiol.* 2009 Mar;47(3):862-4. Epub 2009 Jan 7.

Vitorino L, Margos G, Zé-Zé L, Kurtenbach K, Collares-Pereira M. Plasmid profile analysis of Portuguese *Borrelia lusitaniae* strains. *Ticks Tick Borne Dis.* 2010 Sep;1(3):125-8. Epub 2010 Aug 30.

von Felbert V, Meybehm M, Megahed M. [Cat scratch disease]. [Article in German]. *Hautarzt.* 2008 Jun;59(6):457-8.

von Loewenich FD, Geißdörfer W, Disqué C, Matten J, Schett G, Sakka SG, Bogdan C. Detection of "Candidatus Neoehrlichia mikurensis" in Two Patients with Severe Febrile Illnesses: Evidence for a European Sequence Variant. *J Clin Microbiol.* 2010 Jul;48(7):2630-5. Published online 2010 June 2.

Vorou RM, Papavassiliou VG, Tsiodras S. Emerging zoonoses and vector-borne infections affecting humans in Europe. *Epidemiol Infect.* 2007 Nov;135(8):1231-47. Epub 2007 Apr 20. Review.

Vrethem M, Hellblom L, Widlund M, Ahl M, Danielsson O, Ernerudh J, Forsberg P. Chronic symptoms are common in patients with neuroborreliosis – a questionnaire follow-up study. *Acta Neurol Scand.* 2002;106(4):205-8.

Vukelić D, Benić B, Bozinović D, Vuković B, Dakovic Rode O, Culig Z, Vuković J, Batinica S, Visnjić S, Puljiz I. An unusual outcome in a child with hepatosplenic cat-scratch disease. *Wien Klin Wochenschr.* 2006 Oct;118(19-20):615-8.

Vyas JM, Telford SR, Robbins GK. Treatment of refractory Babesia microti infection with atovaquone-proguanil in an HIV-infected patient: case report. *Clin Infect Dis.* 2007 Dec 15;45(12):1588-90.

Wackernagel A, Bergmann AR, Aberer E. Acute exacerbation of systemic scleroderma in *Borrelia burgdorferi* infection. *J Eur Acad Dermatol Venereol.* 2005 Jan;19(1):93-6.

Wagner B, Freer H, Rollins A, Erb HN. A fluorescent bead-based multiplex assay for the simultaneous detection of antibodies to *B. burgdorferi* outer surface proteins in canine serum. *Vet Immunol Immunopathol.* 2011 Apr 15;140(3-4):190-8. Epub 2010 Dec 10.

Wagner B, Freer H, Rollins A, Erb HN, Lu Z, Gröhn Y. Development of a multiplex assay for the detection of antibodies to *Borrelia burgdorferi* in horses and its validation using Bayesian and conventional statistical methods. *Vet Immunol Immunopathol.* 2011 Aug 17. [Epub ahead of print]

Wagner CL, Riess T, Linke D, Eberhardt C, Schäfer A, Reutter S, Maggi RG, Kempf VA. Use of Bartonella adhesin A (BadA) immunoblotting in the serodiagnosis of *Bartonella henselae* infections. *Int J Med Microbiol.* 2008 Oct;298(7-8):579-90. Epub 2008 May 22.

Wahlberg P, Granlund H, Nyman D, Panelius J, Seppala I. Treatment of Lyme borreliosis. *J Infect.* 1994 Nov;29(3):255-61.

Walk ST, Xu G, Stull JW, Rich SM. Correlation between tick density and pathogen endemicity, New Hampshire. *Emerg Infect Dis.* 2009 Apr;15(4):585-7.

Walker DH. Rickettsiae. In: Baron S, editor. *Medical Microbiology.* 4th edition. Galveston (TX): University of Texas Medical Branch at Galveston; 1996. Chapter 38.

Walker DH, Ismail N, Olano JP, McBride JW, Yu XJ, Feng HM. *Ehrlichia chaffeensis:* a prevalent, life-threatening, emerging pathogen. *Trans Am Clin Climatol Assoc.* 2004;115:375-84.

Walls T, Moshal K, Trounce J, Hartley J, Harris K, Davies G. Broad-range polymerase chain reaction for the diagnosis of *Bartonella henselae* endocarditis. *J Paediatr Child Health.* 2006 Jul-Aug;42(7-8):469-71.

Walsh DS, Wilairatana P, Tang DB, Heppner DG Jr, Brewer TG, Krudsood S, Silachamroon U, Phumratanaaparin W, Siriyanonda D, Looareesuwan S. Randomized trial of 3-dose regimens of tafenoquine (WR238605) versus low-dose primaquine for preventing *Plasmodium vivax* malaria relapse. *Clin Infect Dis.* 2004 Oct 15;39(8):1095-103. Epub 2004 Sep 24.

Walsh DS, Looareesuwan S, Wilairatana P, Heppner DG Jr, Tang DB, Brewer TG, Chokejindachai W, Viriyavejakul P, Kyle DE, Milhous WK, Schuster BG, Horton J, Braitman DJ, Brueckner RP. Randomized Dose-Ranging Study of the Safety and Efficacy of WR 238605 (Tafenoquine) in the Prevention of Relapse of *Plasmodium vivax* Malaria in Thailand. *J Infect Dis.* 1999 Oct;180(4):1282-7.

Walsh DS, Eamsila C, Sasiprapha T, Sangkharomya S, Khaewsathien P, Supakalin P, Tang DB, Jarasrumgsichol P, Cherdchu C, Edstein MD, Rieckmann KH, Brewer TG. Efficacy of monthly tafenoquine for prophylaxis of Plasmodium vivax and multidrug-resistant P. falciparum malaria. *J Infect Dis.* 2004 Oct 15;190(8):1456-63. Epub 2004 Sep 20.

Wang CW, Chang WC, Chao TK, Liu CC, Huang GS. Computed tomography and magnetic resonance imaging of cat-scratch disease: a report of two cases. *Clin Imaging.* 2009 Jul-Aug;33(4):318-21. Review.

Wang G, Iyer R, Bittker S, Cooper D, Small J, Wormser GP, Schwartz I. Variations in Barbour-Stoenner-Kelly culture medium modulate infectivity and pathogenicity of *Borrelia burgdorferi* clinical isolates. *Infect Immun.* 2004 Nov;72(11):6702-6.

Wang G, Ojaimi C, Iyer R, Saksenberg V, McClain SA, Wormser GP, Schwartz I. Impact of genotypic variation of *Borrelia burgdorferi* sensu stricto on kinetics of dissemination and severity of disease in C3H/HeJ mice. *Infect Immun.* 2001 Jul;69(7):4303-12.

Wang G, Ojaimi C, Wu H, Saksenberg V, Iyer R, Liveris D, McClain SA, Wormser GP, Schwartz I. Disease severity in a murine model of lyme borreliosis is associated with the genotype of the infecting *Borrelia burgdorferi* sensu stricto strain. *J Infect Dis.* 2002 Sep 15;186(6):782-91. Epub 2002 Aug 20.

Wang G, Petzke MM, Iyer R, Wu H, Schwartz I. Pattern of pro-inflammatory cytokine induction in RAW264.7 mouse macrophages is identical for virulent and attenuated *Borrelia burgdorferi*. *J Immunol.* 2008 Jun 15;180(12):83-15.

Waniek C, Prohovnik I, Kaufman MA, Dwork AJ. Rapidly progressive frontal-type dementia associated with Lyme disease. *Journal of Neuropsychiatry Clin Neurosci.* 1995;7(3):345-7.

- Warhurst DC, Steele JC, Adagu IS, Craig JC, Cullander C. Hydroxychloroquine is much less active than chloroquine against chloroquine-resistant *Plasmodium falciparum*, in agreement with its physicochemical properties. *J Antimicrob Chemother.* 2003 Aug;52(2):188-93. Epub 2003 Jul 1.
- Warner G, O'Connell S, Lawton N. Atypical features in three patients with florid neurological Lyme disease. *J Neurol Neurosurg Psychiatry.* 1999;67(2):275.
- Warshafsky S, Lee DH, Francois LK, Nowakowski J, Nadelman RB, Wormser GP. Efficacy of antibiotic prophylaxis for the prevention of Lyme disease: an updated systematic review and meta-analysis. *J Antimicrob Chemother.* 2010 Jun;65(6):1137-44. Epub 2010 Apr 9.
- Warshafsky S, Nowakowski J, Nadelman RB, Kamer RS, Peterson SJ, Wormser GP. Efficacy of antibiotic prophylaxis for prevention of Lyme disease. *J Gen Intern Med.* 1996 Jun;11(6):329-33.
- Warthin AS, Olsen RE. The apparent sequence of spirochetes and granular forms in syphilitic buboes. *American Journal of Syphilis,* 15:145. 1931.
- Warthin AS, Olson RE. The granular transformation of Spirochaeta pallida in aortic focal lesions. *American Journal of Syphilis,* 14:433-437. 1930.
- Watt G, Jongsakul K, Ruangvirayuth R. A pilot study of N-acetylcysteine as adjunctive therapy for severe malaria. *QJM.* 2002 May;95(5):285-90.
- Weber K. Treatment failure in erythema migrans: a review. *Infection.* 1996;24:73-5.
- Weber K, Bratzke HJ, Neubert U, Wilske B, Duray PH. *Borrelia burgdorferi* in a newborn despite oral penicillin for Lyme borreliosis during pregnancy. *Pediatr Infect Dis J.* 1988 Apr;7(4):286-9.

Weber K, Neubert U. Clinical features of early erythema migrans disease and related disorders. Zentralbl Bakteriol Mikrobiol Hyg A. 1986 Dec;263(1-2):209-28.

Weber K, Neubert U, Büchner SA. Erythema migrans and early signs and symptoms. In Aspects of Lyme Borrellosis, ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag. 1993. pp 105-121.

Weber K, Pfister HW, Reimers CD. Clinical features of Lyme borreliosis. In Aspects of Lyme Borrellosis, ed. Klaus Weber, M.D., Willy Burgdorfer, Ph.D., M.D. Berlin Heidelberg:Springer-Verlag. 1993. pp 93-104.

Weber K, Wilske B. Mini erythema migrans – a sign of early Lyme borreliosis. Dermatology. 2006 ;212(2): 113-116.

Weder B, Wiedersheim P, Matter L, Steck A, Otto F. Chronic progressive neurological involvement in *Borrelia burgdorferi* infection. J Neurology. 1987 ;234(1):40-3.

Wei LC, Chen SN, Ho CL, Kuo YH, Ho JD. Progression of hydroxychloroquine retinopathy after discontinuation of therapy: case report. Chang Gung Med J. 2001 May;24(5):329-34.

Weinspach S, Tenenbaum T, Schönberger S, Schaper J, Engers R, Rueggeberg J, Mackenzie CR, Wolf A, Mayatepek E, Schroten H. Cat scratch disease--heterogeneous in clinical presentation: five unusual cases of an infection caused by *Bartonella henselae*. Klin Padiatr. 2010 Mar;222(2):73-8. Epub 2009 Sep 29.

Weisinger HS, Pesudovs K, Collin HB. Management of patients undergoing hydroxychloroquine (Plaquenil) therapy. Clin Exp Optom. 2000 Jan;83(1):32-36.

Weiss LM. Babesiosis in humans: a treatment review. Expert Opin Pharmacother. 2002 Aug;3(8):1109-15.

Weissenbacher S, Ring J, Hofmann H. Gabapentin for the symptomatic treatment of chronic neuropathic pain in patients with late-stage lyme borreliosis: a pilot study. *Dermatology*. 2005;211(2):123-7.

Welc-Faleciak R. [Current state of the knowledge of Bartonella infections].[Article in Polish]. *Przegl Epidemiol*. 2009;63(1):11-7. Review.

Welc-Faleciak R, Hildebrandt A, Siński E. Co-infection with *Borrelia* species and other tick-borne pathogens in humans: two cases from Poland. *Ann Agric Environ Med*. 2010 Dec;17(2):309-13.

Welc-Faleciak R, Paziewska A, Bajer A, Behnke JM, Siński E. *Bartonella* spp. infection in rodents from different habitats in the Mazury Lake District, Northeast Poland. *Vector Borne Zoonotic Dis*. 2008 Aug;8(4):467-74.

Weld ED, Eimer KM, Saharia K, Orenstein A, Hess JR. Transfusion medicine illustrated. The expanding range and severity of babesiosis. *Transfusion*. 2010 Feb;50(2):290-1.

Welker RD, Narby GM, Legare EJ, Sweeney DM. Lyme disease acquired in Europe and presenting in CONUS. *Mil Med*. 1993 Oct;158(10):684-5.

Wennberg JE, Fisher ES, Skinner JS. Geography and the debate over Medicare reform. *Health Aff (Millwood)*. 2002 Jul-Dec;Suppl Web Exclusives:W96-114.

Werner JA, Feng S, Chomel BB, Hodzic E, Kasten RW, Barthold SW. P26-based serodiagnosis for *Bartonella* spp. infection in cats. *Comp Med*. 2008 Aug;58(4):375-80.

Werner M, Fournier PE, Andersson R, Hogevik H, Raoult D. *Bartonella* and *Coxiella* antibodies in 334 prospectively studied episodes of infective endocarditis in Sweden. *Scand J Infect Dis*. 2003;35(10):724-7.

Wesslen L, Ehrenborg C, Holmberg M, McGill S, Hjelm E, Lindquist O, Henriksen E, Rolf C, Larsson E, Friman G. Subacute bartonella infection in Swedish orienteers succumbing to sudden unexpected cardiac death or having malignant arrhythmias. *Scand J Infect Dis.* 2001;33(6):429-38.

Westling K, Farra A, Jorup C, Nordenberg A, Settergren B, Hjelm E. Bartonella henselae antibodies after cat bite. *Emerg Infect Dis.* 2008 Dec;14(12):1943-4.

Westport Westin Health District. Available at: <http://www.wwhd.org>.

Wheeler CM, Garcia Monco JC, Benach JL, Golightly MG, Habicht GS, Steere AC. Nonprotein antigens of *Borrelia burgdorferi*. *J Infect Dis.* 1993 Mar;167(3):665-74.

Wheeler SW, Wolf SM, Steinberg EA. Cat-scratch encephalopathy. *Neurology.* 1997 Sep;49(3):876-8.

Whitman BW, Krafte-Jacobs B. Cat-scratch disease associated with pleural effusions and encephalopathy in a child. *Respiration.* 1995;62(3):171-3.

Wielinga PR, Fonville M, Sprong H, Gaasenbeek C, Borgsteede F, Giessen JW. Persistent Detection of Babesia EU1 and Babesia microti in *Ixodes ricinus* in The Netherlands During a 5-Year Surveillance: 2003-2007. *Vector Borne Zoonotic Dis.* 2009 Feb;9(1):119-22. Epub 2008 Aug 30.

Wiesner J, Reichenberg A, Heinrich S, Schlitzer M, Jomaa H. The plastid-like organelle of apicomplexan parasites as drug target. *Curr Pharm Des.* 2008;14(9):855-71. Review.

Wikswo ME, Hu R, Metzger ME, Eremeeva ME. Detection of *Rickettsia rickettsii* and *Bartonella henselae* in *Rhipicephalus sanguineus* ticks from California. *J Med Entomol.* 2007 Jan;44(1):158-62.

Wilairatana P, Looaresuwan S. The clinical use of artemisinin and its derivatives in the treatment of malaria. In *Artemesia*, Ed. CW Wright. London:Taylor & Francis. 2002. pp.291-306.

Wile UJ, Picard RG, Kearny EB. The morphology of spirochaeta pallida in the electron microscope. *JAMA*. 1942;199:880-1.

Wilhemsson P, Fryland L, Börjesson S, Nordgren J, Bergström S, Ernerudh J, Forsberg P, Lindgren PE. Prevalence and diversity of *Borrelia* species in ticks that have bitten humans in Sweden. *J Clin Microbiol*. 2010 Nov;48(11):4169-76. Epub 2010 Sep 15. Erratum in *J Clin Microbiol*. 2011 Jan;49(1):481.

Wilke M, Eiffert H, Christen HJ, Hanefeld F. Primarily chronic and cerebrovascular course of Lyme neuroborreliosis: case reports and literature review. *Arch Dis Child*. 2000;83(1):67-71.

Wilkins HJ, Crane MM, Copeland K, Williams WV. Hypereosinophilic syndrome: an update. *Am J Hematol*. 2005;80(2):148-157.

Willcox M, Bodeker G, Bourdy G et al. *Artemesia annua* as a traditional herbal antimalarial. In: *Traditional Medicinal Plants and Malaria*. Eds. M. Willcox, G. Bodeker, P. Rasoanaivo. New York: CRC Press. 2004. pp.46-52.

Willis AA, Widmann RF, Flynn JM, Green DW, Onel KB. Lyme arthritis presenting as acute septic arthritis in children. *J Pediatr Orthop* 2003;23(1):114-8.

Wilske B. Microbiological diagnosis in Lyme borreliosis. *Int J Med Microbiol*. 2002 Jun;291 Suppl 33:114-9.

Wimberly MC, Baer AD, Yabsley MJ. Enhanced spatial models for predicting the geographic distributions of tick-borne pathogens. *Int J Health Geogr*. 2008;7:15. Published online 2008 April 15.

Wimmersberger Y, Baglivo E. *Bartonella henselae* infection presenting as a unilateral acute maculopathy. *Klin Monbl Augenheilkd.* 2007 Apr;224(4):311-3.

Winoto IL, Goethert H, Ibrahim IN, Yunihirlina I, Stoops C, Susanti I, Kania W, Maguire JD, Bangs MJ, Telford SR 3rd, Wongsrichanalai C. Bartonella species in rodents and shrews in the greater Jakarta area. *Southeast Asian J Trop Med Public Health.* 2005 Nov;36(6):1523-9.

Winterberg DH. [Diagnostic imaging (257). A boy with a swollen inguinal gland].[Article in Dutch]. *Ned Tijdschr Geneeskd.* 2006 Jan 14;150(2):89.

Winterholler M, Erbguth FJ. Tick bite induced respiratory failure. Diaphragm palsy in Lyme disease. *Intensive Care Med.* 2001 Jun;27(6):1095.

Wodecka B. [Significance of red deer (*Cervus elaphus*) in the ecology of *Borrelia burgdorferi* sensu lato]. [Article in Polish]. *Wiad Parazytol.* 2007;53(3):231-7.

Wodecka B. flaB Gene as a Molecular Marker for Distinct Identification of Borrelia Species in Environmental Samples by the PCR-Restriction Fragment Length Polymorphism Method. *Appl Environ Microbiol.* 2011 Oct;77(19):7088-92. Epub 2011 Aug 12.

Wodecka B, Leońska A, Skotarczak B. A comparative analysis of molecular markers for the detection and identification of *Borrelia* spirochaetes in *Ixodes ricinus*. *J Med Microbiol.* 2010 Mar;59(Pt 3):309-14. Epub 2009 Dec 10.

Wojciechowska-Koszko I, Mączyńska I, Szych Z, Giedrys-Kalemba S. Serodiagnosis of borreliosis: indirect immunofluorescence assay, enzyme-linked immunosorbent assay and immunoblotting. *Arch Immunol Ther Exp (Warsz).* 2011 Feb;59(1):69-77. Epub 2011 Jan 22.

Wójcik-Fatla A, Cisak E, Chmielewska-Badora J, Zwoliński J, Buczek A, Dutkiewicz J. Prevalence of Babesia microti in Ixodes ricinus ticks from Lublin region (eastern Poland). Ann Agric Environ Med. 2006;13(2):319-22.

Wójcik-Fatla A, Szymańska J, Wdowiak L, Buczek A, Dutkiewicz J. Coincidence of three pathogens (Borrelia burgdorferi sensu lato, Anaplasma phagocytophilum and Babesia microti) in Ixodes ricinus ticks in the Lublin macroregion. Ann Agric Environ Med. 2009 Jun;16(1):151-8.

Wolańska-Klimkiewicz E, Szymańska J, Bachanek T. Orofacial symptoms related to boreliosis--case report. Ann Agric Environ Med. 2010 Dec;17(2):319-21.

Wolf V, Wecke J. Formation of multiple treponemes. Zbl Bakt, 280:297-303. 1994.

Wong SJ, Demarest VL, Boyle RH, Wang T, Ledizet M, Kar K, Kramer LD, Fikrig E, Koski RA. Detection of Human Anti-Flavivirus Antibodies with a West Nile Virus Recombinant Antigen Microsphere Immunoassay. J Clin Microbiol. 2004 January; 42(1): 65–72.

Wong JW, Yuen KH, Nagappan S, Shahul WS, Ho SS, Gan EK, Toh WT. Therapeutic equivalence of a low dose artemisinin formulation in falciparum malaria patients. J Pharm Pharmacol. 2003 Feb;55(2):193-8.

Wong M, Isaacs D, Dorney S. Fever, abdominal pain and an intracranial mass. Pediatr Infect Dis J. 1995 Aug;14(8):725-8. Review.

Wong WS, Chung JY, Wong KF. Images in haematology. Human babesiosis. Br J Haematol. 2008 Feb;140(4):364. Epub 2007 Nov 27.

Woo SB, Treister N. Ciclosporin-induced fibrovascular polyps vs. bacillary angiomatosis. Br J Dermatol. 2008 Mar;158(3):652-3. Epub 2008 Jan 17.

Woody HB, Woody NC. Encephalopathy with cat-scratch disease. Bull Tulane Univ Med Fac. 1961 Feb;20:83-7.

Woolley MW, Gordon DL, Wetherall BL. Analysis of the first Australian strains of *Bartonella quintana* reveals unique genotypes. J Clin Microbiol. 2007 Jun;45(6):2040-3. Epub 2007 Apr 11.

The World Health Organization. Roll Back Malaria Infosheet. Facts on ACTs (Artemisinin-based Combination Therapies), An Update on Recent Progress in Policy and Access to Treatment. Available from: [http://www.rbm.who.int/cmc\\_upload/0/000/015/364/RB-MInfosheet\\_9.htm](http://www.rbm.who.int/cmc_upload/0/000/015/364/RB-MInfosheet_9.htm). Accessed 2006 Aug 10.

WHO and UNICEF. Global Financing, Commodities and Service Delivery. World Malaria Report 2005. <http://rbm.who.int/wmr2005/html/3-1.htm>. Accessed February 9, 2007.

WHO and UNICEF. Global Financing, Commodities and Service Delivery. World Malaria Report 2005. [cited 2006 Jul]. Available from: <http://rbm.who.int/wmr2005/html/3-1.htm>.

The use of artemisinin and its derivatives as anti-malarial drugs. WHO/MAL/98.1086. Malaria Unit, Division of Control of Tropical Diseases, WHO, Geneva. 1998.

Wormser GP. Duration of therapy for Lyme borreliosis. J Infect Dis. 1995 May;171(5):1379-80.

Wormser GP. Lyme disease: insights into the use of antimicrobials for prevention and treatment in the context of experience with other spirochetal infections. Mt Sinai J Med. 1995 May;62(3):188-95. Review.

Wormser GP. A vaccine against Lyme disease? Ann Intern Med. 1995 Oct 15;123(8):627-9.

Wormser GP. Prospects for a vaccine to prevent Lyme disease in humans. Clin Infect Dis. 1995 Nov;21(5):1267-74. Review.

Wormser GP. Controversies in the use of antimicrobials for the prevention and treatment of Lyme disease. *Infection*. 1996 Mar-Apr;24(2):178-81. Review.

Wormser GP. Lyme disease vaccine. *Infection*. 1996 Mar-Apr;24(2):203-7. Review.

Wormser GP. Treatment and prevention of Lyme disease, with emphasis on antimicrobial therapy for neuroborreliosis and vaccination. *Semin Neurol*. 1997 Mar;17(1):45-52. Review.

Wormser GP. Vaccination as a modality to prevent Lyme disease. A status report. *Infect Dis Clin North Am*. 1999 Mar;13(1):135-48, vii. Review.

Wormser GP. Impressions of the IX Conference on Lyme Borreliosis and Other Tick-Borne Diseases, August 18-22, 2002. *Vector Borne Zoonotic Dis*. 2002 Winter;2(4):201-7.

Wormser GP. Prevention of Lyme borreliosis. *Wien Klin Wochenschr*. 2005 Jun;117(11-12):385-91. Review.

Wormser GP. Clinical practice. Early Lyme disease. *N Engl J Med*. 2006 Jun 29;354(26):2794-801. Review.

Wormser GP. Hematogenous dissemination in early Lyme disease. *Wien Klin Wochenschr*. 2006 Nov;118(21-22):634-7. Review.

Wormser GP. Discovery of new infectious diseases - bartonella species. *N Engl J Med*. 2007 Jun 7;356(23):2346-7.

Wormser GP, Aguero-Rosenfeld ME, Nadelman RB. Lyme disease serology: problems and opportunities. *JAMA*. 1999 Jul 7;282(1):79-80.

Wormser GP, Barthold SW, Shapiro ED, Dattwyler RJ, Bakken JS, Steere AC, Bockenstedt LK, Radolf JD. Anti-tumor necrosis factor-alpha activation of *Borrelia burgdorferi* spirochetes in antibiotic-treated murine Lyme borreliosis: an unproven conclusion. *J Infect Dis.* 2007 Dec 15;196(12):1865-6; author reply 1866-7.

Wormser GP, Bittker S, Cooper D, Nowakowski J, Nadelman RB, Pavia C. Comparison of the yields of blood cultures using serum or plasma from patients with early Lyme disease. *J Clin Microbiol.* 2000 Apr;38(4):1648-50.

Wormser GP, Bittker S, Cooper D, Nowakowski J, Nadelman RB, Pavia C. Yield of large-volume blood cultures in patients with early Lyme disease. *J Infect Dis.* 2001 Oct 15;184(8):1070-2. Epub 2001 Aug 29.

Wormser GP, Brisson D, Liveris D, Hanincová K, Sandigursky S, Nowakowski J, Nadelman RB, Ludin S, Schwartz I. *Borrelia burgdorferi* genotype predicts the capacity for hematogenous dissemination during early Lyme disease. *J Infect Dis.* 2008 Nov 1;198(9):1358-64.

Wormser GP, Carbonaro C, Miller S, Nowakowski J, Nadelman RB, Sivak S, Aguero-Rosenfeld ME. A limitation of 2-stage serological testing for Lyme disease: enzyme immunoassay and immunoblot assay are not independent tests. *Clin Infect Dis.* 2000 Mar;30(3):545-8.

Wormser GP, Dattwyler RJ, Shapiro ED, Dumler JS, O'Connell S, Radolf JD, Nadelman RB. Single-dose prophylaxis against Lyme disease. *Lancet Infect Dis.* 2007 Jun;7(6):371-3.

Wormser GP, Dattwyler RJ, Shapiro ED, Halperin JJ, Steere AC, Klempner MS, Krause PJ, Bakken JS, Strle F, Stanek G, Bockenstedt L, Fish D, Dumler JS, Nadelman RB. The clinical assessment, treatment, and prevention of lyme disease, human granulocytic anaplasmosis, and babesiosis: clinical practice guidelines by the Infectious Diseases Society of America. *Clin Infect Dis.* 2006 Nov 1;43(9):1089-134. Epub 2006 Oct 2. Erratum in: *Clin Infect Dis.* 2007 Oct 1;45(7):941.

Wormser GP, Forster G, Cooper D, Nowakowski J, Nadelman RB, Horowitz H, Schwartz I, Bowen SL, Campbell GL, Goldberg NS. Use of a novel technique of cutaneous lavage for diagnosis of Lyme disease associated with erythema migrans. *JAMA.* 1992 Sep 9;268(10):1311-3.

Wormser GP, Halperin JJ. Oral doxycycline for neuroborreliosis. *Lancet Neurol.* 2008 Aug;7(8):665-6. Epub 2008 Jun 21.

Wormser GP, Horowitz HW, Dumler JS, Schwartz I, Aguero-Rosenfeld M. False-positive Lyme disease serology in human granulocytic ehrlichiosis. *Lancet.* 1996 Apr 6;347(9006):981-2.

Wormser GP, Horowitz HW, Nowakowski J, McKenna D, Dumler JS, Varde S, Schwartz I, Carbonaro C, Aguero-Rosenfeld M. Positive Lyme disease serology in patients with clinical and laboratory evidence of human granulocytic ehrlichiosis. *Am J Clin Pathol.* 1997 Feb;107(2):142-7.

Wormser GP, Kaslow R, Tang J, Wade K, Liveris D, Schwartz I, Klempner M. Association between human leukocyte antigen class II alleles and genotype of *Borrelia burgdorferi* in patients with early lyme disease. *J Infect Dis.* 2005 Dec 1;192(11):2020-6. Epub 2005 Oct 28.

Wormser GP, Liveris D, Hanincová K, Brisson D, Ludin S, Stracuzzi VJ, Embers ME, Philipp MT, Levin A, Aguero-Rosenfeld M, Schwartz I. Effect of *Borrelia burgdorferi* genotype on the sensitivity of C6 and 2-tier testing in North American patients with culture-confirmed Lyme disease. *Clin Infect Dis.* 2008 Oct 1;47(7):910-4.

Wormser GP, Liveris D, Nowakowski J, Nadelman RB, Cavalieri LF, McKenna D, Holmgren D, Schwartz I. Association of specific subtypes of *Borrelia burgdorferi* with hematogenous dissemination in early Lyme disease. *J Infect Dis.* 1999 Sep;180(3):720-5.

Wormser GP, Lombardo G, Silverblatt F, El Khoury MY, Prasad A, Yelon JA, Sanda A, Karim S, Coku L, Savino JA. Babesiosis as a cause of fever in patients undergoing a splenectomy. *Am Surg.* 2011 Mar;77(3):345-7.

Wormser GP, Masters E, Liveris D, Nowakowski J, Nadelman RB, Holmgren D, Bittker S, Cooper D, Wang G, Schwartz I. Microbiologic evaluation of patients from Missouri with erythema migrans. *Clin Infect Dis.* 2005 Feb 1;40(3):423-8. Epub 2005 Jan 10.

Wormser GP, Masters E, Nowakowski J, McKenna D, Holmgren D, Ma K, Ihde L, Cavalieri LF, Nadelman RB. Prospective clinical evaluation of patients from Missouri and New York with erythema migrans-like skin lesions. *Clin Infect Dis.* 2005 Oct 1;41(7):958-65. Epub 2005 Aug 31.

Wormser GP, McKenna D, Carlin J, Nadelman RB, Cavalieri LF, Holmgren D, Byrne DW, Nowakowski J. Brief communication: hematogenous dissemination in early Lyme disease. *Ann Intern Med.* 2005 May 3;142(9):751-5.

Wormser GP, McKenna D, Nadelman RB, Nowakowski J, Weinstein A. Lyme disease in children. *N Engl J Med.* 1997 Apr 10;336(15):1107; author reply 1107-8.

Wormser GP, Nadelman RB, Dattwyler RJ, Dennis DT, Shapiro ED, Steere AC, Rush TJ, Rahn DW, Coyle PK, Persing DH, Fish D, Luft BJ. Practice guidelines for the treatment of Lyme disease. The Infectious Diseases Society of America. *Clin Infect Dis.* 2000 Jul;31 Suppl 1:1-14.

Wormser GP, Nadelman RB, Nowakowski J, Schwartz I. Asymptomatic *Borrelia burgdorferi* infection. *Med Hypotheses.* 2001 Oct;57(4):435-8.

Wormser GP, Nowakowski J, Nadelman RB. Duration of treatment for Lyme borreliosis: time for a critical reappraisal. *Wien Klin Wochenschr.* 2002 Jul 31;114(13-14):613-5. Review.

Wormser GP, Nowakowski J, Nadelman RB, Bittker S, Cooper D, Pavia C. Improving the yield of blood cultures for patients with early Lyme disease. *J Clin Microbiol.* 1998 Jan;36(1):296-8.

Wormser GP, Nowakowski J, Nadelman RB, Schwartz I, McKenna D, Holmgren D, Aguero-Rosenfeld M. Efficacy of an OspA vaccine preparation for prevention of Lyme disease in New York State. *Infection.* 1998 Jul-Aug;26(4):208-12.

Wormser GP, Nowakowski J, Nadelman RB, Visintainer P, Levin A, Aguero-Rosenfeld ME. Impact of clinical variables on *Borrelia burgdorferi*-specific antibody seropositivity in acute-phase sera from patients in North America with culture-confirmed early Lyme disease. *Clin Vaccine Immunol.* 2008 Oct;15(10):1519-22. Epub 2008 Aug 20.

Wormser GP, O'Connell S. Treatment of infection caused by *Borrelia burgdorferi* sensu lato. *Expert Rev Anti Infect Ther.* 2011 Feb;9(2):245-60. Review.

Wormser GP, Prasad A, Neuhaus E, Joshi S, Nowakowski J, Nelson J, Mittleman A, Aguero-Rosenfeld M, Topal J, Krause PJ. Emergence of resistance to azithromycin-atovaquone in immunocompromised patients with *Babesia microti* infection. *Clin Infect Dis.* 2010 Feb 1;50(3):381-6.

Wormser GP, Ramanathan R, Nowakowski J, McKenna D, Holmgren D, Visintainer P, Dornbush R, Singh B, Nadelman RB. Duration of antibiotic therapy for early Lyme disease. A randomized, double-blind, placebo-controlled trial. *Ann Intern Med.* 2003 May 6;138(9):697-704.

Wormser GP, Schwartz I. Antibiotic treatment of animals infected with *Borrelia burgdorferi*. Clin Microbiol Rev. 2009 Jul;22(3):387-95. Review.

Wormser GP, Shapiro ED. Implications of gender in chronic Lyme disease. J Womens Health (Larchmt). 2009 Jun;18(6):831-4.

Wormser GP, Shapiro ED, Halperin JJ, Porwancher RB, O'Connell S, Nadelman RB, Strle F, Radolf JD, Hovius JW, Baker PJ, Fingerle V, Dattwyler R. Analysis of a flawed double-blind, placebo-controlled, clinical trial of patients claimed to have persistent Lyme disease following treatment. Minerva Med. 2009 Apr;100(2):171-2.

Wormser GP, Stanek G, Strle F, Gray JS. Advances in the treatment and prevention of Lyme borreliosis. Wien Klin Wochenschr. 2005 Jun;117(11-12):381-4. Review.

Wright IG, Goodger BV, Clark IA. Immunopathophysiology of *Babesia bovis* and *Plasmodium falciparum* infections. Babesia. Malaria Treatment. Parasitol Today. 1988 Aug;4(8):214-8.

Wright SA, Lemenager DA, Tucker JR, Armijos MV, Yamamoto SA. An avian contribution to the presence of *Ixodes pacificus* (Acari: Ixodidae) and *Borrelia burgdorferi* on the sutter buttes of California. J Med Entomol. 2006 Mar;43(2):368-74.

Wright SA, Tucker JR, Donohue AM, Castro MB, Kelley KL, Novak MG, Macedo PA. Avian hosts of *Ixodes pacificus* (Acari: Ixodidae) and the detection of *Borrelia burgdorferi* in larvae feeding on the Oregon junco. J Med Entomol. 2011 Jul;48(4):852-9.

Wu J, Weening EH, Faske JB, Höök M, Skare JT. Invasion of eukaryotic cells by *Borrelia burgdorferi* requires  $\beta(1)$  integrins and Src kinase activity. Infect Immun. 2011 Mar;79(3):1338-48. Epub 2010 Dec 20.

Xiao S, Tanner M, N'Goran EK, Utzinger J, Chollet J, Bergquist R, Chen M, Zheng J. Recent investigations of artemether, a novel agent for the prevention of schistosomiasis japonica, mansoni and haematobia. *Acta Trop.* 2002 May;82(2):175-81.

Xiao SH, Yao JM, Utzinger J, Cai Y, Chollet J, Tanner M. Selection and reversal of Plasmodium berghei resistance in the mouse model following repeated high doses of artemether. *Parasitol Res.* 2004 Feb;92(3):215-9. [Epub 2003 Dec 16].

Xu C, Liu Q, Diao B, Kan B, Song X, Li D. Optimization of pulse-field gel electrophoresis for Bartonella subtyping. *J Microbiol Methods.* 2009 Jan;76(1):6-11. Epub 2008 Sep 5.

Xu H, Liew LN, Kuo IC, Huang CH, Goh DL, Chua KY. The modulatory effects of lipopolysaccharide-stimulated B cells on differential T-cell polarization. *Immunology.* 2008 October; 125(2): 218-28.

Xu H, Raddi G, Liu J, Charon NW, Li C. Chemoreceptors and flagellar motors are subterminally located in close proximity at the two cell poles in spirochetes. *J Bacteriol.* 2011 May;193(10):2652-6. Epub 2011 Mar 25.

Xu L, Winn BJ, Odel JG. Lyme-Associated Orbital Inflammation Presenting as Painless Subacute Unilateral Ptosis. *J Neuroophthalmol.* 2011 Sep 27. [Epub ahead of print]

Xu Q, McShan K, Liang FT. Essential protective role attributed to the surface lipoproteins of *Borrelia burgdorferi* against innate defenses. *Mol Microbiol.* 2008 Jul;69(1):15-29. Published online 2008 April 28.

Yabsley MJ, McKibben J, Macpherson CN, Cattan PF, Cherry NA, Hegarty BC, Breitschwerdt EB, O'Connor T, Chandrashekhar R, Paterson T, Perea ML, Ball G, Friesen S, Goedde J, Henderson B, Sylvester W. Prevalence of Ehrlichia canis, Anaplasma platys, Babesia canis vogeli, Hepatozoon canis, Bartonella vinsonii berkhoffii, and Rickettsia spp. in dogs from Grenada. *Vet Parasitol.* 2008 Feb 14;151(2-4):279-85. Epub 2007 Nov 17.

Yager JA, Best SJ, Maggi RG, Varanat M, Znajda N, Breitschwerdt EB. Bacillary angiomatosis in an immunosuppressed dog. *Vet Dermatol.* 2010 Mar 31. [Epub ahead of print]

Yagupsky P, Sofer S. Cat-scratch encephalopathy presenting as status epilepticus and lymphadenitis. *Pediatr Emerg Care.* 1990 Mar;6(1):43-5.

Yakimchuk K, Roura-Mir C, Magalhaes KG, de Jong A, Kasmar AG, Granter SR, Budd R, Steere A, Pena-Cruz V, Kirschning C, Cheng TY, Moody DB. *Borrelia burgdorferi* infection regulates CD1 expression in human cells and tissues via IL1- $\beta$ . *Eur J Immunol.* 2011 Mar;41(3):694-705. Epub 2011 Jan 18.

Yamachika E, Habte T, Oda D. Artemisinin: an alternative treatment for oral squamous cell carcinoma. *Anticancer Res.* 2004;24:2153-60.

Yamada Y, Ohkusu K, Yanagihara M, Tsuneoka H, Ezaki T, Tsuboi J, Okabayashi H, Suwabe A. Prosthetic valve endocarditis caused by *Bartonella quintana* in a patient during immunosuppressive therapies for collagen vascular diseases. *Diagn Microbiol Infect Dis.* 2011 Jul;70(3):395-8. Epub 2011 May 10.

Yamasaki M, Tajima M, Yamato O, Hwang SJ, Ohta H, Maede Y. Heat shock response of *Babesia gibsoni* heat shock protein 70. *J Parasitol.* 2008 Feb;94(1):119-24.

Yanagihara M, Tsuneoka H, Hoshide S, Ishido E, Umeda A, Tsukahara M, Nojima J, Ichihara K, Hino K, Hirai I, Yamamoto Y. Molecular typing of *Bartonella henselae* DNA extracted from human clinical specimens and cat isolates in Japan. FEMS Immunol Med Microbiol. 2010 Oct;60(1):44-8.

Yanagihara M, Tsuneoka H, Sugasaki M, Nojima J, Ichihara K. Multispacer typing of *Bartonella henselae* isolates from humans and cats, Japan. Emerg Infect Dis. 2010 Dec;16(12):1983-5.

Yang L, Weis JH, Eichwald E, Kolbert DP, Persing DH, Weis JJ. Heritable susceptibility to severe *Borrelia burgdorferi*-induced arthritis is dominant and is associated with persistence of large numbers of spirochetes in tissues. Infect. Immun. 1994;62(2):492-500.

Yang X, Izadi H, Coleman AS, Wang P, Ma Y, Fikrig E, Anguita J, Pal U. *Borrelia burgdorferi* lipoprotein BmpA activates pro-inflammatory responses in human synovial cells through a protein moiety. Microbes Infect. 2008 Oct;10(12-13):1300-8. Published online 2008 August 5.

Yang XR, Liu QY, Cui BY, Wang LX, Peng ZH, Ren DS. [Using direct enzyme linked immunosorbent assay for the detection of IgG antibody on *Bartonella henselae* among healthy people in Changping, Beijing]. [Article in Chinese]. Zhonghua Liu Xing Bing Xue Za Zhi. 2007 Jul;28(7):688-91.

Yang Y, Li C. Transcription and genetic analyses of a putative N-acetylmuramyl-L-alanine amidase in *Borrelia burgdorferi*. FEMS Microbiol Lett. 2009 Jan;290(2):164-73. Published online 2008 November 18.

Yerebakan C, Westphal B, Aepinus C. Infective endocarditis due to *Bartonella quintana*: a challenging diagnostic entity. Acta Cardiol. 2008 Aug;63(4):519-21.

Yilmaz C, Ergin C, Kaleli I. [Investigation of *Bartonella henselae* seroprevalence and related risk factors in blood donors admitted to Pamukkale University Blood Center].[Article in Turkish]. *Mikrobiyol Bul.* 2009 Jul;43(3):391-401.

Yoda M, Hata M, Sezai A, Unosawa S, Furukawa N, Minami K. First report of *Bartonella quintana* endocarditis in Japan. *Circ J.* 2008 Jun;72(6):1022-4.

Yoon HJ, Lee WC, Choi YS, Cho S, Song YG, Choi JY, Kim CO, Kim EJ, Kim JM. Cervical lymphadenitis in a patient coinfected with *Toxoplasma gondii* and *Bartonella henselae*. *Vector Borne Zoonotic Dis.* 2010 May;10(4):415-9.

Yoshinari NH, Oyafuso LK, Monteiro FG, de Barros PJ, da Cruz FC, Ferreira LG, Bonasser F, Baggio D, Cossermelli W.[Lyme disease. Report of a case observed in Brazil]. [Article in Portuguese]. *Rev Hosp Clin Fac Med Sao Paulo.* 1993 Jul-Aug;48(4):170-4.

Yoshinari NH, Steere AC, Cossermelli W. [A review of Lyme disease]. [Article in Portuguese]. *AMB Rev Assoc Med Bras.* 1989 Jan-Feb;35(1):34-8. Review.

Yoshinari NH, Reinhardt BN, Steere AC. T cell responses to polypeptide fractions of *Borrelia burgdorferi* in patients with Lyme arthritis. *Arthritis Rheum.* 1991 Jun;34(6):707-13.

Youn H. Review of zoonotic parasites in medical and veterinary fields in the Republic of Korea. *Korean J Parasitol.* 2009 Oct;47 Suppl:S133-41. Review.

Younger DS, Orsher S. Lyme Neuroborreliosis: Preliminary Results from an Urban Referral Center Employing Strict CDC Criteria for Case Selection. *Neurol Res Int.* 2010;2010:525206. Epub 2010 Jun 23.

Youssef D, Shams WE, El Abbassi A, Moorman JP, Al-Abbadi MA. Combining cytomorphology and serology for the diagnosis of cat scratch disease. *Diagn Cytopathol.* 2011 Mar;39(3):210-3.

Yrjänäinen H, Hytönen J, Hartiala P, Oksi J, Viljanen MK, Persistence of borrelial DNA in the joints of *Borrelia burgdorferi*-infected mice after ceftriaxone treatment. APMIS, 118(9):665-73.

Yrjänäinen H, Hytönen J, Song XY, Oksi J, Hartiala K, Viljanen MK. Anti-tumor necrosis factor-alpha treatment activates *Borrelia burgdorferi* spirochetes 4 weeks after ceftriaxone treatment in C3H/He mice. 2007. J Infect Dis, 195(10):1489-96.

Yu DH, Li YH, Yoon JS, Lee JH, Lee MJ, Yu IJ, Chae JS, Park JH. Ehrlichia chaffeensis infection in dogs in South Korea. Vector Borne Zoonotic Dis. 2008 Jun;8(3):355-8.

Yuan C, Zhu C, Wu Y, Pan X, Hua X. Bacteriological and molecular identification of bartonella species in cats from different regions of china. PLoS Negl Trop Dis. 2011 Sep;5(9):e1301. Epub 2011 Sep 6.

Zagorski Z, Biziorek B, Haszcz D. [Ophthalmic manifestations in Lyme borreliosis]. [Article in Polish]. Przegl Epidemiol. 2002;56 Suppl 1:85-90.

Zamponi N, Cardinali C, Tavoni MA, Porfiri L, Rossi R, Manca A. Chronic neuroborreliosis in infancy. Ital J Neurol Sci. 1999 Oct;20(5):303-7.

Zarkovic A, McMurray C, Deva N, Ghosh S, Whitley D, Guest S. Seropositivity rates for *Bartonella henselae*, *Toxocara canis* and *Toxoplasma gondii* in New Zealand blood donors. Clin Experiment Ophthalmol. 2007 Mar;35(2):131-4. Erratum in: Clin Experiment Ophthalmol. 2007 Jul;35(5):500. MacMurray, Catherine [corrected to McMurray, Catherine].

Zarrella TM, Singh A, Bitsaktsis C, Rahman T, Sahay B, Feustel PJ, Gosselin EJ, Sellati TJ, Hazlett KR. Host-Adaptation of *Francisella tularensis* Alters the Bacterium's Surface-Carbohydrates to Hinder Effectors of Innate and Adaptive Immunity. PLoS One. 2011;6(7):e22335. Published online 2011 July 22.

- Zarzycka B, Pieczara A, Skowron-Kobos J, Krzemiński Z. [Prevalence IgG antibodies against Bartonella henselae in children with lymphadenopathy].[Article in Polish]. Przegl Epidemiol. 2008;62(4):759-65.
- Zeaiter Z, Fournier PE, Greub G, Raoult D. Diagnosis of Bartonella endocarditis by a real-time nested PCR assay using serum. J Clin Microbiol. 2003 Mar;41(3):919-25.
- Zeaiter Z, Fournier PE, Ogata H, Raoult D. Phylogenetic classification of Bartonella species by comparing groEL sequences. Int J Syst Evol Microbiol. 2002 Jan;52(Pt 1):165-71.
- Zekraoui Y, Megzari A, El Alloussi T, Berraho A. [Unilateral neuroretinitis revealing cat-scratch disease].[Article in French]. Rev Med Interne. 2011 Apr;32(4):e46-8. Epub 2010 Jun 19.
- Zemel L. Lyme disease and pseudotumor. Mayo Clinic Proc. 2000;75(3):315.
- Zenz W, Trop M, Kollaritsch H, Reinthaler F. [Congenital malaria due to Plasmodium falciparum and Plasmodium malariae]. Wien Klin Wochenschr. 2000 May 19;112(10):459-61. [Article in German]. Comment in: Wien Klin Wochenschr. 2000 May 19;112(10):421-2.
- Zhang L, Shan A, Mathew B, Yin J, Fu X, Zhang J, Lu J, Xu J, Dumler JS. Rickettsial Seroepidemiology among farm workers, Tianjin, People's Republic of China. Emerg Infect Dis. 2008 Jun;14(6):938-40.
- Zhang L, Zhang Y, Adusumilli S, Liu L, Narasimhan S, Dai J, Zhao YO, Fikrig E. Molecular interactions that enable movement of the Lyme disease agent from the tick gut into the hemolymph. PLoS Pathog. 2011 Jun;7(6):e1002079. Epub 2011 Jun 9.
- Zhang Q, Zhang Y. Lyme disease and modern Chinese medicine. New York, NY:Sino-Med Research Institute. 2006;pp.1-5, 34-5, 42-3, 76-82.

Zhao KC, Xuan WY, Zhao Y, Song ZY. The pharmacokinetics of a transdermal preparation of artesunate in mice and rabbits. *Yao Xue Xue Bao.* 1989;24(11):813-6.

Zhao Z, Fleming R, McCloud B, Klempner MS. CD14 Mediates Cross Talk between Mononuclear Cells and Fibroblasts for Upregulation of Matrix Metalloproteinase 9 by *Borrelia burgdorferi*. *Infect Immun.* 2007 Jun;75(6):3062-9. Published online 2007 April 2.

Zhao Y, Love KR, Hall SW, Beardell FV. A fatal case of transfusion-transmitted babesiosis in the State of Delaware. *Transfusion.* 2009 Dec;49(12):2583-7. Epub 2009 Nov 9.

Zhou X, Miller MR, Motaleb M, Charon NW, He P. Spent Culture Medium from Virulent *Borrelia burgdorferi* Increases Permeability of Individually Perfused Microvessels of Rat Mesentery. *PLoS One.* 2008;3(12):e4101. Epub 2008 Dec 31.

Ziemssen F, Bartz-Schmidt KU, Gelisken F. Secondary unilateral glaucoma and neuroretinitis: atypical manifestation of cat-scratch disease. *Jpn J Ophthalmol.* 2006 Mar-Apr;50(2):177-9.

Ziska MH, Donta ST, Demarest FC. Physician preferences in the diagnosis and treatment of Lyme disease in the United States. *Infection.* 1996 Mar-Apr;24(2):182-6.

Zivkovic Z, Torina A, Mitra R, Alongi A, Scimeca S, Kocan KM, Galindo RC, Almazán C, Blouin EF, Villar M, Nijhof AM, Mani R, La Barbera G, Caracappa S, Jongejan F, de la Fuente J. Subolesin expression in response to pathogen infection in ticks. *BMC Immunol.* 2010 Feb 19;11:7. Published online 2010 February 19.

Zobba R, Chessa G, Mastrandrea S, Pinna Parpaglia ML, Patta C, Masala G. Serological and molecular detection of *Bartonella* spp. in humans, cats and dogs from northern Sardinia, Italy. *Clin Microbiol Infect.* 2009 Dec;15 Suppl 2:134-5. Epub 2009 May 18.

Zobba R, Parpaglia ML, Spezzigu A, Pittau M, Alberti A. First molecular identification and phylogeny of a Babesia sp. from a symptomatic sow (*Sus scrofa* Linnaeus 1758). *J Clin Microbiol.* 2011 Jun;49(6):2321-4. Epub 2011 Apr 13.

# A “BEST DOCTOR OF AMERICA” per Physician Peers

Dr. Schaller is a prolific, award winning, full-time self-funded researcher specializing in creative clinical solutions in his medical practice which includes care for patients from all over the world.

When once asked if he wanted to do “research or clinical care” he said, “Both.” This book is the pure research side of tick infections such as Bartonella, Babesia, and Borrelia or “Lyme disease.” It also seriously addresses other scientific and medical issues related to the presence of these infections and others, and the biochemical systems impacted by their presence.

He thinks if scientists or medical workers want to become educated in these infections this bibliography is a first initial step to informed knowledge. There is absolutely no replacement for study in emerging infections, since new information emerges every month.

Dr. Schaller’s typical patient has visited many top medical centers, a wide number of specialist consultants or at least two experts dedicated to seriously treating tick-borne infections. Some medically complex patients have seen over 100 respected expert medical professionals.

Dr. Schaller combines profoundly aggressive research and immense reading, to find clinical pearls that provide real and creative solutions. He is eager to learn from all.

Dr. Schaller is the author of five books on infections. All books have 1-2 years of full-time reading and research behind them.

He has authored flea, lice and tick infection journal articles and a respected NIH endorsed set of entries on Babesia, Bartonella and Lyme disease.

He is the author of 29 books and 27 top peer-reviewed journal articles.

Kimberly Mountjoy, M.S. (Chemistry) has worked, studied and performed scientific and medical research in academic and respected private institutions for 15 years. She was a Research Manager at Eppley Cancer Institute and a Research Associate at Baxter Healthcare. She is a co-author of six highly advanced organic chemistry and biochemistry papers. She is the editor of two books. Her current interest is now direct health care delivery to needy patients in Florida, USA.



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