

It is essential to understand and acknowledge common risk factors associated with typhus including travel to endemic areas and flea bites. Fever, severe headache, and joint pain are vague findings for diagnosis, but coupled with elevated liver enzymes, a recent exposure to fleas and rat feces, and living in an endemic area, provide cumulative information that aid in a patient's diagnosis and successful treatment.

REFERENCES

- Walker D, Paddock C, Dumler S. Emerging and Re-emerging Tick-Transmitted Rickettsial and Ehrlichial Infections. *Med Clin N Am*. 2008;92:1345-61.
- Rydkina E, Sahni A, Silverman D, and Sahni S. Comparative analysis of host-cell signalling mechanisms activated in response to infection with *Rickettsia conorii* and *Rickettsia typhi*. *J Med Microbiol*. 2007;56:896-906.
- Valbuena G, Walker D. Infection of the endothelium by members of the order Rickettsiales. *Thromb Haemost* . 2009;102:1071-9.
- Holt J, Krieg N, Sneath P, Staley J, Williams S. The Rickettsias and Chlamydias. In: William Hensyl, editor. *Bergey's Manual of Determinative Bacteriology*. 9th. Baltimore : Lippincott Williams & Wilkins, 1994;9:351.
- Walker D H. Rickettsiae. In: Baron S. editor. *Medical Microbiology*. 4th. Galveston : University of Texas Medical Branch at Galveston, 1996.
- <http://www.cdc.gov/eid/content/16/3/412.htm>. (accessed May, 2011)
- Boostrom A, Beier M, Macaluso J. et al. Geographic Association of *Rickettsia felis* - Infected Opossums with Human Murine Typhus, Texas. *Emerging Infect Dis*. 2002; June 8:549-54.
- Civen R, Ngo V. Murine Typhus: An Unrecognized Suburban Vectorborne Disease. *Practice*, 2008:913-8.
- Sprong H, Wielinga P, Fonville M, Reusken C, et al. *Ixodes ricinus* ticks are reservoir hosts for *Rickettsia helvetica* and potentially carry flea-borne *Rickettsia* species. *Parasit Vectors*, 2009;2.
- Karpathy S, Hayes E, Williams A et al. Detection of *Rickettsia felis* and *Rickettsia typhi* in an area of California endemic for murine typhus. *Clin Microbiol Infect. Suppl.*2,2008;15 Suppl 2:218-9.
- Valbuena G, Feng H, Walker D. Mechanisms of immunity against rickettsiae. New perspectives and opportunities offered by unusual intracellular parasites. In: *Microbes and Infection*. Elsevier, 2002;625-33.
- Radulovic S, Price P, Beier M, Gawee J, Macaluso J, Azad A. Rickettsia-Macrophage Interactions: Host Cell Responses to *Rickettsia akari* and *Rickettsia typhi*. *Infect Immun*, 2002;07:2576-82.
- Whiteford S, Taylor J, Dumler S. Clinical, Laboratory, and Epidemiologic Features of Murine Typhus in 97 Texas Children. *Arch Pediatr Adolesc Med*. 2001;155:396-400.
- Lin S, Wang Y, Lin H, Chen T, Chen Y, Lu P. Reversible hearing impairment: delayed complication of murine typhus or adverse reaction to azithromycin. *J Med Microbiol*. 2010;59:602-6.
- Feng H, Walker D. Mechanisms of Intracellular Killing of *Rickettsia conorii* in Infected Human Endothelial Cells, Hepatocytes and Macrophages. *Infect Immun*. 2000;6729-36.
- Walker D, Olano J, Feng. Critical Role of Cytotoxic T Lymphocytes in Immune Clearance of Rickettsial Infection. March 2001, *Infect Immun*. 2001;1841-6.
- Billings A, Feng H, Olano J, Walker D. s.l. Rickettsial Infection In Murine Models Activates an Early Anti-Rickettsial Effect Mediated by NK cells and Associated with Production of Gamma Interferon. *Am. J. Trop. Med. Hyg*. 2001;65:52-6.
- Valbuena G, Jordan J, Walker D. s.l. : T Cells Mediate Cross-Protective Immunity between Spotted Fever Group Rickettsiae and Typhus Group Rickettsiae. *J Infect Dis*. 2004;190:1227.
- <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5845a4.htm>. (accessed May 8, 2011)
- Reeves W, Murray K, Meyer T, Bull L, Pascua R, Holmes K, et al. Serological evidence of typhus group rickettsia in a homeless population in Houston, Texas. *J Vector Ecol*. 2008;205-7.
- Koneman, E. *Diagnosis of Infections Caused by Viruses, Chlamydia, Rickettsia, and Related Organisms*. [book auth.] E., Washington, W., Allen, S., Janda, W., Schreckenberger, P., Woods, G. Koneman. [ed.] Nancy Peterson. *Color Atlas and Textbook of Diagnostic Microbiology*. 6th. s.l. : Lippincott Williams and Wilkins, 2006;23:1329-1410.
- Fergie J, Purcell K, Wanat D. Murine typhus in South Texas children. *Pediatr Infect Dis J.*, 2000;19:535-8.
- Gikas A, Doukakis S, Padiaditis J. et al. Comparison of the effectiveness of five different antibiotic regimens on infection with *Rickettsia typhi*: Therapeutic Data from 87 Cases. *Am. J. Trop. Med. Hyg*. 2004;70:576-9.
- Purcell K, Fergie J, Richman K, Rocha L. Murine Typhus in Children South Texas/Emerging Infectious Diseases. *CDC.gov*. [Online] June 2007. www.cdc.gov/eid.

ERRATA: In the Spring 2011 Volume 24:2 of *Clinical Laboratory Science* the name of the first author in the Table of Contents for the manuscript entitled "Immunoglobulin Light Chain Levels Can Be Used to Determine Disease Stage in Children with Juvenile Idiopathic Arthritis" and on page 93 in the header is misspelled. It should be Necil Kutukculer.