

## Meningitis

### REFERENCES

- Angstwurm K, Hanisch UK, et al. Tyrosine kinase inhibition reduces inflammation in the acute stage of experimental pneumococcal meningitis. *Infect Immun*. 2004 Jun;72(6):3294-8.
- Beers MH, Berkow R, eds. *The Merck Manual of Diagnosis and Therapy*. 17th ed. Internet edition provided by MEDICAL SERVICES, USMEDSA, USHH. 1999-2005. Available at: <http://www.merck.com/mrkshared/mmanual/home.jsp>. Accessed November 11, 2005.
- Beghi E, Nicolosi A, et al. Encephalitis and aseptic meningitis, Olmsted County, Minnesota, 1950-1981, I: epidemiology. *Ann Neurol*. 1984 Sep;16(3):283-94.
- Bilukha OO, Rosenstein N. Prevention and control of meningococcal disease: recommendations of the Advisory Committee on Immunization Practices (ACIP). *MMWR Recomm Rep*. 2005 May 27;54(RR-7):1-21.
- Brandtzaeg P, Kierulf P, et al. Plasma endotoxin as a predictor of multiple organ failure and death in systemic meningococcal disease. *J Infect Dis*. 1989 Feb;159(2):195-204.
- Caksen H, Cemek M, et al. Brief clinical study: lipid peroxidation and antioxidant status in children with acute purulent meningitis and encephalitis. *Int J Neurosci*. 2004 Jan;114(1):105-111.
- Centers for Disease Control and Prevention (CDC) website. Meningococcal Disease. Available at: [http://www.cdc.gov/ncidod/dbmd/diseaseinfo/meningococcal\\_g.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/meningococcal_g.htm). Accessed November 11, 2005.
- Centers for Disease Control and Prevention (CDC) website. Viral ("Aseptic") Meningitis. Available at: [http://www.cdc.gov/ncidod/dvrd/revb/enterovirus/viral\\_meningitis.htm](http://www.cdc.gov/ncidod/dvrd/revb/enterovirus/viral_meningitis.htm). Accessed November 11, 2005.
- Centers for Disease Control and Prevention (CDC) website. *Haemophilus influenzae* Serotype b (Hib) Disease. Available at: [http://www.cdc.gov/ncidod/dbmd/diseaseinfo/haeminfluserob\\_t.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/haeminfluserob_t.htm). Accessed November 11, 2005.
- Danenberg HD, Ben-Yehuda A, et al. Dehydroepiandrosterone (DHEA) treatment reverses the impaired immune response of old mice to influenza vaccination and protects from influenza infection. *Vaccine*. 1995;13(15):1445-8.
- de Oliveria Silva S, Ximenes VF, et al. High concentrations of the melatonin metabolite, N1-acetyl-N2-formyl-5-methoxykynuramine, in cerebrospinal fluid of patients with meningitis: a possible immunomodulatory mechanism. *J Pineal Res*. 2005 Oct;39(3):302-6.
- Ge NN, Brodie SA, et al. The effects of superoxide dismutase in gerbils with bacterial meningitis. *Otolaryngol Head Neck Surg*. 2004 Nov;131(5):563-72.
- Gerber J, Lotz M, et al. Melatonin is neuroprotective in experimental *Streptococcus pneumoniae* meningitis. *J Infect Dis*. 2005 Mar 1;191(5):783-90.
- Heinz-Erian P, Achmuller M, et al. Cerebrospinal fluid and plasma levels of vitamin C in children. *Pediatr Padol*. 1985;20(1):49-54.
- Hulisz D. Efficacy of zinc against common cold viruses: an overview. *J Am Pharm Assoc (Wash DC)*. 2004 Sep-Oct;44(5):594-603.
- Josling P. Preventing the common cold with a garlic supplement: a double-blind, placebo-controlled survey. *Adv Ther*. 2001 Jul-Aug;18(4):189-93.
- Kasper DL, Braunwald E, et al, eds. *Harrison's Principles of Internal Medicine*. 16th ed. New York, NY: McGraw-Hill; 2004.
- Kastenbauer S, Koedel U, et al. Oxidative stress in bacterial meningitis in humans. *Neurology*. 2002 Jan 22;58(2):186-91.

Klein NJ , Ison CA , et al. The influence of capsulation and lipooligosaccharide structure on neutrophil adhesion molecule expression and endothelial injury by *Neisseria meningitidis*. *J Infect Dis* . 1996 Jan;173(1):172-9.

Koedel U, Pfister HW. Oxidative stress in bacterial meningitis. *Brain Pathol*. 1999 Jan;9(1):57-67.

Kyo E, Uda N, et al. Immunomodulatory effects of aged garlic extract. *J Nutr* . 2001 Mar;131(suppl 3):1075S-1079S.

Maestroni GJ. Therapeutic potential of melatonin in immunodeficiency states, viral diseases, and cancer. *Adv Exp Med Biol* . 1999;467:217-26.

Meyers PM, Lavine SD , et al. Chemical meningitis after cerebral aneurysm treatment using two second-generation aneurysm coils: report of two cases. *Neurosurgery*. 2004 Nov;55(5):1222.

Mitsuishi T, Iida K, et al. Cimetidine treatment for viral warts enhances IL-2 and IFN-gamma expression but not IL-18 expression in lesional skin. *Eur J Dermatol* . 2003 Sep-Oct;13(5):445-8.

Padgett DA, Loria RM, et al. Steroid hormone regulation of antiviral immunity. *Ann N Y Acad Sci* . 2000;917:935-43.

Pathan N, Faust SN, et al. Pathophysiology of meningococcal meningitis and septicaemia. *Arch Dis Child*. 2003 Jul;88(7):601-7.

Pathan N, Sandiford C, et al. Characterization of a myocardial depressant factor in meningococcal septicemia. *Crit Care Med*. 2002 Oct;30(10):2191-8.

Romero JR, Newland JG. Viral meningitis and encephalitis: traditional and emerging viral agents. *Semin Pediatr Infect Dis*. 2003 Apr;14(2):72-82.

Rosenstein NE , Perkins BA, et al. Meningococcal disease. *N Engl J Med* . 2001 May 3;344(18):1378-88.

Sanbongi C, Takano H, et al. Rosmarinic acid in perilla extract inhibits allergic inflammation induced by mite allergen, in a mouse model. *Clin Exp Allergy*. 2004 Jun;34(6):971-7.

Schmutzhard E. Viral infections of the CNS with special emphasis on herpes simplex infections. *J Neurol*. 2001 Jun;248(6):469-77

Sokolova O, Heppel N, et al. Interaction of *Neisseria meningitidis* with human brain microvascular endothelial cells : role of MAP- and tyrosine kinases in invasion and inflammatory cytokine release. *Cell Microbiol*. 2004 Dec;6(12):1153-66.

Swart PJ, Kuipers EM, et al. Lactoferrin: antiviral activity of lactoferrin. *Adv Exp Med Biol* . 1998;443:205-13.

Ueda H, Yamazaki C, et al. Luteolin as an anti-inflammatory and anti-allergic constituent of *Perilla frutescens*. *Biol Pharm Bull*. 2002 Sep;25(9):1197-202.

Volpi A. Epstein-Barr virus and human herpesvirus type 8 infections of the central nervous system. *Herpes* . 2004 Jun;11(suppl 2):120A-127A.

Waarts BL, Aneke OJ, et al. Antiviral activity of human lactoferrin: inhibition of alphavirus interaction with heparan sulfate. *Virology* . 2005 Mar 15;333(2):284-92.

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