

7. Rupprecht TA. Neuroborreliosis: Pathogenesis, Symptoms, Diagnosis, and Treatment: Epidemiology [on-line]. Dostupné z: [http://www.medscape.org/viewarticle/738274\\_2](http://www.medscape.org/viewarticle/738274_2).
8. López-Alberola RF. Neuroborreliosis and the pediatric population: a review. *Rev Neurol* 2006; 42 (Suppl 3): S91–S96.
9. Rupprecht TA, Koedel U, Fingerle V, Pfister HW. The pathogenesis of Lyme neuroborreliosis: from infection to inflammation. *Mol Med* 2008; 14(3–4): 205–212.
10. Pachner AR. Lyme neuroborreliosis. In: Antel J et al (eds). *Clinical neuroimmunology*. 2nd ed. Oxford, USA: Oxford University Press 2005: 301–314.
11. Ramesh G, Borda JT, Dufour J, Kaushal D, Ramamoorthy R, Lackner AA et al. Interaction of the Lyme disease spirochete *Borrelia burgdorferi* with brain parenchyma elicits inflammatory mediators from glial cells as well as glial and neuronal apoptosis. *Am J Pathol* 2008; 173(5): 1415–1427.
12. Dennis VA, Dixit S, O'Brien SM, Alvarez X, Pahar B, Philipp MT. Live *Borrelia burgdorferi* spirochetes elicit inflammatory mediators from human monocytes via Toll-like receptor signaling pathway. *Infect Immun* 2009; 77(3): 1238–1245.
13. Kigerl KA, Lai W, Rivest S, Hart RP, Satoskar AR, Popovich PG. Toll-like receptor (TLR)-2 and TLR-4 regulate inflammation, gliosis, and myelin sparing after spinal cord injury. *J Neurochem* 2007; 102(1): 37–50.
14. 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; 8: 36.
15. Janeway CA et al. T-cell mediated immunity. In: Janeway CA et al (eds). *Immunology*. 6th ed. New York: Garland Science publishing 2007: 319–362.
16. Hinojosa AE, Garcia-Bueno B, Leza JC, Madrigal JL. CCL2/MCP-1 modulation of microglial activation and proliferation. *J Neuroinflammation* 2011; 8: 77.
17. Gerszten RE, Garcia-Zepeda EA, Lim YC, Yoshida M, Ding HA, Gimbrone MA jr et al. MCP-1 and IL-8 trigger firm adhesion of monocytes to vascular endothelium under flow conditions. *Nature* 1999; 398(6729): 718–723.
18. Hildenbrand P, Craven DE, Jones R, Nemeskal P. Lyme neuroborreliosis: manifestations of a rapidly emerging zoonosis. *AJNR Am J Neuroradiol* 2009; 30(6): 1079–1087.
19. Vrethem M, Widhe M, Ernerudh J, Garpmo U, Forsberg P. Clinical, diagnostic and immunological characteristics of patients with possible neuroborreliosis without intrathecal Ig-synthesis against *Borrelia* antigen in the cerebrospinal fluid. *Neurol Int* 2011; 3(1): e2.
20. Widhe M, Jarefors S, Ekerfelt C, Vrethem M, Bergstrom S, Forsberg P et al. *Borrelia*-specific interferon-gamma and interleukin-4 secretion in cerebrospinal fluid and blood during Lyme borreliosis in humans: association with clinical outcome. *J Infect Dis* 2004; 189(10): 1881–1891.
21. Herrath MG, Harrison LC. Antigen-induced regulatory T cells in autoimmunity. *Nat Rev Immunol* 2003; 3(3): 223–232.
22. Mills KH. Regulatory T cells: friend or foe in immunity to infection? *Nat Rev Immunol* 2004; 4(11): 841–855.
23. Mygland A, Ljøstad U, Fingerle V, Rupprecht T, Schmutzhard E, Steiner I. European Federation of Neurological Societies. EFNS guidelines on the diagnosis and management of European Lyme neuroborreliosis. *Eur J Neurol* 2010; 17(1): 8–16.
24. European Concerned Action on Lyme Borreliosis; Treatment of Lyme borreliosis in Europe [on-line]. Dostupné z: [www.eucalb.com](http://www.eucalb.com).
25. Stricker RB. Counterpoint: Counterpoint: long-term antibiotic therapy improves persistent symptoms associated with Lyme disease. *Clin Infect Dis* 2007; 45(2): 149–157.
26. Gurčík L. Súčasný trendy v diagnostike a liečbe neuroborreliózy. *Neurol Prax* 2009; 10(3): 170–176.



Slovenská neurologická spoločnosť, Sekcia pre neuromuskulárne ochorenia

Česká neurologická společnost, Neuromuskulární sekce

Centrum pre neuromuskulárne ochorenia, Bratislava  
Neurologická klinika SZU a UNsP, Bratislava

NEUROMUSKULÁRNÍ SEKCE ČNS

Vás pozývajú na

## VI. NEUROMUSKULÁRNÝ KONGRES S MEDZINÁRODNOU ÚČASŤOU

XIV. konferencia o neuromuskulárnych ochoreniach  
24. neuromuskulární symposium

25. – 26. apríla 2013,  
Hotel Tatra, Bratislava

Organizačné zabezpečenie: **SOLEN**  
MEDICAL EDUCATION