

## Literatura

1. Lafferty, K. D. (2006): Can the common brain parasite, *Toxoplasma gondii*, influence human culture? Proc. R. Soc. B Biol. Sci. 273: 2749–2755.
2. Flegr, J. (1987): A rapid method for isolation of double stranded RNA. Prep. Biochem. 17: 423–433.
3. Flegr, J., Čerkasov, J., Kulda, J., Čerkasovová, A., Štokrová, J. (1986): Double stranded RNA in *Trichomonas vaginalis*. Acta Univ. Carol. Biol. 30: 281–286.
4. Flegr, J., Čerkasov, J., Kulda, J., Tachezy, J., Štokrová, J. (1987): The dsRNA of *Trichomonas vaginalis* is associated with virus like particles and does not correlate with metronidazole resistance. Folia Microbiol. 32: 345–348.
5. Flegr, J., Čerkasov, J., Štokrová, J. (1988): Multiple populations of double-stranded RNA in two virus-harbouring strains of *Trichomonas vaginalis*. Folia Microbiol. 33: 462–465.
6. Hampl, V., Horner, D. S., Dyal, P., Kulda, J., Flegr, J., Foster, P. G. et al. (2005): Inference of the phylogenetic position of oxymonads based on nine genes: Support for Metamonada and Excavata. Mol. Biol. Evol. 22: 2508–2518.
7. Kolisko, M., Cepicka, I., Hampl, V., Kulda, J., Flegr, J. (2005): The phylogenetic position of enteromonads: a challenge for the present models of diplomonad evolution. Int. J. Syst. Evol. Microbiol. 55: 1729–1733.
8. Wang, A. L., Wang, C. C. (1985): A linear double stranded RNA in *Trichomonas vaginalis*. J. Biol. Chem. 260: 3697–3702.
9. Kostka, M., Hampl, V., Cepicka, I., Flegr, J. (2004): Phylogenetic position of *Protoopalina intestinalis* based on SSU rRNA gene sequence. Mol. Phylogenet. Evol. 33: 220–224.
10. Dawkins, R. (1976): The selfish gene. Oxford University Press, Oxford, 224 s.
11. Flegr, J. (2006): Zamrzlá evoluce aneb je to jinak, pane Darwin. Akademie, Praha, 326 s.
12. Ninio, J. (1986): A ternary cellular-complex between lymphocytes-B and lymphocytes-T and antigen-presenting cells. Immunol. Today 7: 354.
13. Lanzavecchia, A. (1985): Antigen-specific interaction between T-cells and B-cells. Nature 314: 537–539.
14. Flegr, J., Zitkova, S., Kodym, P., Frynta, D. (1996): Induction of changes in human behaviour by the parasitic protozoan *Toxoplasma gondii*. Parasitology 113: 49–54.
15. Flegr, J., Hrdý, I. (1994): Influence of chronic toxoplasmosis on some human personality factors. Folia Parasitol. (Praha) 41: 122–126.
16. Flegr, J., Kodym, P., Tolarová, V. (2000): Correlation of duration of latent *Toxoplasma gondii* infection with personality changes in women. Biol. Psychol. 53: 57–68.
17. Flegr, J. (2010): Influence of latent toxoplasmosis on the phenotype of intermediate hosts. Folia Parasitol. (Praha) 57: 81–87.

18. Hrdá, Š., Votýpka, J., Kodym, P., Flegr, J. (2000): Transient nature of *Toxoplasma gondii*-induced behavioral changes in mice. *J. Parasitol.* 86: 657-663.
19. Berdoy, M., Webster, J. P., Macdonald, D. W. (2000): Fatal attraction in rats infected with *Toxoplasma gondii*. *Proc. R. Soc. B Biol. Sci.* 267: 1591-1594.
20. Vyas, A., Kim, S. K., Giacomini, N., Boothroyd, J. C., Sapolsky, R. M. (2007): Behavioral changes induced by *Toxoplasma infection* of rodents are highly specific to aversion of cat odors. *Proc. Natl. Acad. Sci. U.S.A.* 104: 6442-6447.
21. Vyas, A., Kim, S. K., Sapolsky, R. M. (2007): The effects of *Toxoplasma* infection on rodent behavior are dependent on dose of the stimulus. *Neuroscience* 148: 342-348.
22. Havlíček, J., Roberts, S. C., Flegr, J. (2005): Women's preference for dominant male odour: effects of menstrual cycle and relationship status. *Biol. Lett.* 1: 256-259.
23. Havlíček, J., Roberts, S. C. (2009): MHC-correlated mate choice in humans: A review. *Psychoneuroendocrinology* 34: 497-512.
24. Flegr, J. (1998): On the "origin of natural selection by means of speciation. *Riv. Biol.-Biol. Forum* 91: 291-304.
25. Flegr, J. (2010): Elastic, not plastic species: frozen plasticity theory and the origin of adaptive evolution in sexually reproducing organisms. *Biol. Direct* 5: 2.
26. Flegr, J. (1990): Does a cell perform isoelectric focusing? *BioSystems* 24: 127-133.
27. Flegr, J. (2009): A possible role of intracellular isoelectric focusing in the evolution of eukaryotic cells and multicellular organisms. *J. Mol. Evol.* 69: 444-451.
28. Vorisek, P., Votypka, J., Zvara, K., Svobodova, M. (1998): Heteroxenous coccidia increase the predation risk of parasitized rodents. *Parasitology* 117: 521-524.
29. Flegr, J., Havlíček, J., Kodym, P., Malý, M., Šmahel, Z. (2002): Increased risk of traffic accidents in subjects with latent toxoplasmosis: a retrospective case-control study. *BMC Infect. Dis.* 2: art-11.
30. Yereli, K., Balcioglu, I. C., Ozbilgin, A. (2006): Is *Toxoplasma gondii* a potential risk for traffic accidents in Turkey? *Forensic Sci. Int.* 163: 34-37.
31. Kocazeybek, B., Oner, Y. A., Turksoy, R., Babur, C., Cakan, H., Sahip, N. et al. (2009): Higher prevalence of toxoplasmosis in victims of traffic accidents suggest increased risk of traffic accident in *Toxoplasma*-infected inhabitants of Istanbul and its suburbs. *Forensic Sci. Int.* 187: 103-108.
32. Flegr, J., Klose, J., Novotná, M., Berenreitterová, M., Havlíček, J. (2009): Increased incidence of traffic accidents in *Toxoplasma*-infected military drivers and protective effect RhD molecule revealed by a large-scale prospective cohort study. *BMC Infect. Dis.* 9: art. 72.
33. Flegr, J., Lindová, J., Kodym, P. (2008): Sex-dependent toxoplasmosis-associated differences in testosterone concentration in humans. *Parasitology* 135: 427-431.

34. Flegr, J., Novotna, M., Fialova, A., Kolbekova, P., Gasova, Z. (2010): The influence of RhD phenotype on toxoplasmosis- and age-associated changes in personality profile of blood donors. *Folia Parasitol. (Praha)* 57: 143–150.
35. Flegr, J., Priplatova, L. (2010): Testosterone and cortisol levels in university students reflect actual rather than estimated number of wrong answers on written exam. *Neuro. Endocrinol. Lett.* 31: 577–581.
36. Kannan, G., Moldovan, K., Xiao, J. C., Yolken, R. H., Jones-Brando, L., Pletnikov, M. V. (2010): *Toxoplasma gondii* strain-dependent effects on mouse behaviour. *Folia Parasitol. (Praha)* 57: 151–155.
37. Novotná, M., Havlíček, J., Smith, A. P., Kolbeková, P., Skallová, A., Klose, J. et al. (2008): *Toxoplasma* and reaction time: Role of toxoplasmosis in the origin, preservation and geographical distribution of Rh blood group polymorphism. *Parasitology* 135: 1253–1261.
38. Flegr, J. (1997): Two distinct types of natural selection in turbidostat-like and chemostat-like ecosystems. *J. Theor. Biol.* 188: 121–126.
39. Webster, J. P. (1994): The effect of *Toxoplasma gondii* and other parasites on activity levels in wild and hybrid *Rattus norvegicus*. *Parasitology* 109: 583–589.
40. Webster, J. P., Brunton, C. F. A., Macdonald, D. W. (1994): Effect of *Toxoplasma gondii* upon neophobic behaviour in wild brown rats, *Rattus norvegicus*. *Parasitology* 109: 37–43.
41. Penzhorn, B. L., Stylianides, E., van Vuuren, M., Alexander, K., Meltzer, D. G. A., Mukarati, N. (2002): Seroprevalence of *Toxoplasma gondii* in free-ranging lion and leopard populations in southern Africa. *S. Afr. J. Wild. Res.* 32: 163–165.
42. Stibbs, H. H. (1985): Changes in brain concentrations of catecholamines and indoleamines in *Toxoplasma gondii* infected mice. *Ann. Trop. Med. Parasitol.* 79: 153–157.
43. Flegr, J., Preiss, M., Klose, J., Havlíček, J., Vitáková, M., Kodym, P. (2003): Decreased level of psychobiological factor novelty seeking and lower intelligence in men latently infected with the protozoan parasite *Toxoplasma gondii* Dopamine, a missing link between schizophrenia and toxoplasmosis? *Biol. Psychol.* 63: 253–268.
44. Skallová, A., Novotná, M., Kolbeková, P., Gašová, Z., Veselý, V., Flegr, J. (2005): Decreased level of novelty seeking in blood donors infected with *Toxoplasma*. *Neuro. Endocrinol. Lett.* 26: 480–486.
45. Meirmans, S., Neiman, M. (2006): Methodologies for testing a pluralist idea for the maintenance of sex. *Biol. J. Linn. Soc.* 89: 605–613.
46. Gaskell, E. A., Smith, J. E., Pinney, J. W., Westhead, D. R., McConkey, G. A. (2009): A unique dual activity amino acid hydroxylase in *Toxoplasma gondii*. *PLoS One* 4: e4801.
47. Skallová, A., Kodym, P., Frynta, D., Flegr, J. (2006): The role of dopamine in *Toxoplasma*-induced behavioural alterations in mice: an ethological and ethopharmacological study. *Parasitology* 133: 525–535.
48. Hodková, H., Kodym, P., Flegr, J. (2007): Poorer results of mice with latent toxoplasmosis in learning tests: impaired learning processes or the novelty discrimination mechanism? *Parasitology* 134: 1329–1337.

49. Lindová, J., Novotná, M., Havlíček, J., Jozífková, E., Skallová, A., Kolbeková, P. et al. (2006): Gender differences in behavioural changes induced by latent toxoplasmosis. *Int. J. Parasitol.* 36: 1485–1492.
50. Lindova, J., Kubena, A. A., Sturcova, H., Krivohlava, R., Novotna, M., Rubesova, A. et al. (2010): Pattern of money allocation in experimental games supports the stress hypothesis of gender differences in *Toxoplasma gondii*-induced behavioural changes. *Folia Parasitol. (Praha)* 57: 136–142.
51. Kulich, T., Flegr, J. (2011): Positive effects of multiple gene control on the spread of altruism by group selection. *J. Theor. Biol.* 284: 1–6.
52. Flegr, J., Hrušková, M., Hodný, Z., Novotná, M., Hanušová, J. (2005): Body height, body mass index, waist-hip ratio, fluctuating asymmetry and second to fourth digit ratio in subjects with latent toxoplasmosis. *Parasitology* 130: 621–628.
53. Flegr, J., Lindová, J., Pivoňková, V., Havlíček, J. (2008): Brief Communication: latent toxoplasmosis and salivary testosterone concentration-important confounding factors in second to fourth digit ratio studies. *Am. J. Phys. Anthropol.* 137: 479–484.
54. Kratochvíl, L., Flegr, J. (2009): Differences in the 2nd to 4th digit length ratio in humans reflect shifts along the common allometric line. *Biol. Lett.* 5: 643–646.
55. Hodková, H., Kolbeková, P., Skallová, A., Lindová, J., Flegr, J. (2007): Higher perceived dominance in *Toxoplasma* infected men – a new evidence for role of increased level of testosterone in toxoplasmosis-associated changes in human behavior. *Neuro. Endocrinol. Lett.* 28: 110–114.
56. Kleisner, K., Kocnar, T., Rubesova, A., Flegr, J. (2010): Eye color predicts but does not directly influence perceived dominance in men. *Pers. Indiv. Dif.* 49: 59–64.
57. Torrey, E. F., Yolken, R. H. (1995): Could schizophrenia be a viral zoonosis transmitted from house cats? *Schizophr. Bull.* 21: 167–171.
58. Torrey, E. F., Rawlings, R., Yolken, R. H. (2000): The antecedents of psychoses: a case-control study of selected risk factors. *Schizophr. Res.* 46: 17–23.
59. Nielbuhr, D. W., Millikan, A. M., Cowan, D. N., Yolken, R., Li, Y. Z., Weber, N. S. (2008): Selected infectious agents and risk of schizophrenia among US military personnel. *Am. J. Psychiatry* 165: 99–106.
60. Horacek, J., Flegr, J., Tintera, J., Verebova, K., Spaniel, F., Novak, T. et al. (2011): Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. *World J. Biol. Psychiatry*, May 23.
61. Hinze-Selch, D., Däubener, W., Erdag, S., Wilms, S. (2010): The diagnosis of a personality disorder increases the likelihood for seropositivity to *Toxoplasma gondii* in psychiatric patients. *Folia Parasitol. (Praha)* 57: 129–135.
62. Clinton, S. M., Bedrosian, T. A., Abraham, A. D., Watson, S. J., Akil, H. (2010): Neural and environmental factors impacting maternal behavior differences in high- versus low-novelty-seeking rats. *Horm. Behav.* 57: 463–473.

63. Fekadu, A., Shibre, T., Cleare, A. J. (2010): Toxoplasmosis as a cause for behaviour disorders – overview of evidence and mechanisms. *Folia Parasitol. (Praha)* 57: 105–113.
64. Jones-Brando, L., Torrey, E. F., Yolken, R. (2003): Drugs used in the treatment of schizophrenia and bipolar disorder inhibit the replication of *Toxoplasma gondii*. *Schizophr. Res.* 62: 237–244.
65. Webster, J. P., Lamberton, P. H. L., Donnelly, C. A., Torrey, E. F. (2006): Parasites as causative agents of human affective disorders? The impact of anti-psychotic, mood-stabilizer and anti-parasite medication on *Toxoplasma gondii*'s ability to alter host behaviour. *Proc. R. Soc. B Biol. Sci.* 273: 1023–1030.
66. Arling, T. A., Yolken, R. H., Lapidus, M., Langenberg, P., Dickerson, F. B., Zimmerman, S. A. et al. (2009): *Toxoplasma gondii* antibody titers and history of suicide attempts in patients with recurrent mood disorders. *J. Nerv. Ment. Dis.* 197: 905–908.
67. Koseoglu, E., Yazar, S., Koc, I. (2009): Is *Toxoplasma gondii* a causal agent in migraine? *Am. J. Med. Sci.* 338: 120–122.
68. Flegr, J., Novotná, M., Lindová, J., Havlíček, J. (2008): Neurophysiological effect of the Rh factor. Protective role of the RhD molecule against *Toxoplasma*-induced impairment of reaction times in women. *Neuro. Endocrinol. Lett.* 29: 475–481.
69. Cattell, R. B. (1972): Blood-groups and personality traits. *Am. J. Human. Gen.* 24: 485–&.
70. Kaňková, Š., Holáň, V., Zajícová, A., Kodym, P., Flegr, J. (2010): Modulation of immunity in mice with latent toxoplasmosis – the experimental support for the immunosuppression hypothesis of *Toxoplasma*-induced changes in reproduction of mice and humans. *Parasitol. Res.* 107: 1421–1427.
71. Snol, S. E. (1979): *Fiziko-chimičeskie faktory biologičeskoy evoljuciji* (Physikochemical factors of biological evolution). Nauka, Moskva.
72. Jozifkova, E., Flegr, J. (2006): Dominance, submissivity (and homosexuality) in general population. Testing of evolutionary hypothesis of sadomasochism by internet-trap-method. *Neuro. Endocrinol. Lett.* 27: 711–718.
73. Flegr, J., Hrdá, Š., Kodym, P. (2005): Influence of latent 'asymptomatic' toxoplasmosis on body weight of pregnant women. *Folia Parasitol. (Praha)* 52: 199–204.
74. Kaňkova, Š., Flegr, J. (2007): Longer pregnancy and slower fetal development in women with latent asymptomatic toxoplasmosis. *BMC Infect. Dis.* 7: art-114.
75. Kaňková, Š., Šulc, J., Nouzová, K., Fajfrlik, K., Frynta, D., Flegr, J. (2007): Women infected with parasite *Toxoplasma* have more sons. *Naturwissenschaften* 94: 122–127.
76. Kaňková, Š., Kodym, P., Frynta, D., Vavřinová, R., Kuběna, A., Flegr, J. (2007): Influence of latent toxoplasmosis on the secondary sex ratio in mice. *Parasitology* 134: 1709–1717.
77. Kaňková, Š., Šulc, J., Flegr, J. (2010): Increased pregnancy weight gain in women with latent toxoplasmosis and RhD-positivity protection against this effect. *Parasitology* 137: 1773–1779.

78. Kolbekova, P., Kourbatova, E., Novotna, M., Kodym, P., Flegr, J. (2007): New and old risk-factors for *Toxoplasma gondii* infection: prospective cross-sectional study among military personnel in the Czech Republic. *Clin. Microbiol. Infect.* 13: 1012–1017.
79. Flegr, J., Hrdá, Š., Tachezy, J. (1998): The role of psychological factors in questionnaire-based studies on routes of human toxoplasmosis transmission. *Cent. Eur. J. Public Health* 6: 45–50.
80. Kankova, S., Kodym, P., Flegr, J. (2011): Direct evidence of *Toxoplasma*-induced changes in serum testosterone in mice. *Exp. Parasitol.* 128: 181–183.
81. James, W. H. (2010): Potential solutions to problems posed by the offspring sex ratios of people with viral and other infections. *Folia Parasitol. (Praha)* 57: 114–120.
82. Flegr, J., Lenochová, P., Hodný, Z., Vondrová, M. (2011): Fatal attraction phenomenon in humens – Cat odour attractineness increased for *Toxoplasma*-infected men while decreased for infected women. *BMC Neglect. Trop. Dis. v tisku*.
82. Celik, T., Kamisli, O., Babur, C., Cevik, M. O., Oztuna, D., Altinayar, S. (2010): Is there a relationship between *Toxoplasma gondii* infection and idiopathic Parkinson's disease? *Scand. J. Infect. Dis.* 42: 604–608.
83. Miman, O., Kusbeci, O. Y., Aktepe, O. C., Cetinkaya, Z. (2010): The probable relation between *Toxoplasma gondii* and Parkinson's disease. *Neurosci. Lett.* 475: 129–131.
84. Akyol, A., Bicerol, B., Ertug, S., Ertabaklar, H., Kiylioglu, N. (2007): Epilepsy and seropositivity rates of *Toxocara canis* and *Toxoplasma gondii*. *Seizure-Eur. J. Epilep.* 16: 233–237.
85. Yazar, S., Arman, F., Yalcin, S., Dimirtas, F., Yaman, O., Sahin, I. (2003): Investigation of probable relationship between *Toxoplasma gondii* and cryptogenic epilepsy. *Seizure-Eur. J. Epilep.* 12: 107–109.
86. Prandota, J. (2010): Neuropathological changes and clinical features of autism spectrum disorder participants are similar to that reported in congenital and chronic cerebral toxoplasmosis in humans and mice. *Res. Autism Spect. Disord.* 4: 103–118.