

List of *confirmed* EDEN publications



June 20, 2010

Papers

- [1] Kallio-Kokko, H., Laakkonen, J., Rizzoli, A., Tagliapietra, V., Cattadori, I., Perkin, S., Hudson, P., Cristofolini, A., Versini, W., Vapalahti, O., Vaheri, A., Henttonen, H.: *Hantavirus* and *Arenavirus* antibody prevalence in rodents and humans in Trentino, Northern Italy. *Epidemiology and Infection* **134**(4), 830–836 (2006). DOI 10.1017/S0950268805005431 EDEN0001
- [2] Laakkonen, J., Kallio, E., Kallio-Kokko, H., Vapalahti, O., Vaheri, A., Henttonen, H.: Is there an association of *Pneumocystis* infection with the presence of arena-, hanta-, and poxvirus antibodies in wild mice and shrews in Finland? *Parasitology* **132**(4), 461–466 (2006). DOI 10.1017/S0031182005009315 EDEN0002
- [3] Davis, S., Calvet, E., Leirs, H.: Fluctuating rodent populations and risk to humans from rodent-borne zoonoses. *Vector Borne and Zoonotic Diseases* **5**(4), 305–314 (2005). DOI 10.1089/vbz.2005.5.305 EDEN0003
- [4] Kallio, E.R., Klingström, J., Gustafsson, E., Manni, T., Vaheri, A., Henttonen, H., Vapalahti, O., Lundkvist, Å.: Prolonged survival of Puumala *Hantavirus* outside the host: evidence for indirect transmission via the environment. *Journal of General Virology* **87**, 2127–2134 (2006). DOI 10.1099/vir.0.81643-0 EDEN0004
- [5] Laakkonen, J., Kallio-Kokko, H., Oktem, M.A., Blasdel, K., Plyusnina, A., Niemimaa, J., Karataç, A., Plyusnin, A., Vaheri, A., Henttonen, H.: Serological survey for viral pathogens in Turkish rodents. *Journal of Wildlife Diseases* **42**(3), 672–676 (2006) EDEN0005
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- [7] Charbonnel, N., Chaval, Y., Berthier, K., Deter, J., Morand, S., Palme, R., Cosson, J.: Stress and demographic decline: a potential effect mediated by impairment of reproduction and immune function in cyclic vole populations. *Physiological and Biochemical Zoology* **81**(1), 63–73 (2008). DOI 10.1086/523306 EDEN0007
- [8] Randolph, S.E.: EDEN-Emerging diseases in a changing European environment: Tick-borne diseases. *International Journal of Medical Microbiology* **296**(S1), 84–86 (2006) EDEN0011
- [9] Hubálek, Z., Halouzka, J., Juricová, Z., Sikutová, S., Rudolf, I.: Effect of forest clearing on the abundance of *Ixodes ricinus* ticks and the prevalence of EDEN0013

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- Borrelia burgdorferi* s.l. Medical and Veterinary Entomology **20**(2), 166–172 (2006). DOI 10.1111/j.1365-2915.2006.00615.x EDEN0014
- [10] Klingström, J., Hardestam, J., Lundkvist, Å.: Dobrava, but not Saaremaa, *Hantavirus* is lethal and induces nitric oxide production in suckling mice. Microbes and Infection **8**(3), 728–737 (2006). DOI 10.1016/j.micinf.2005.09.010 EDEN0017
- [11] Kallio, E.R., Poikonen, A., Vaheri, A., Vapalahti, O., Henttonen, H., Koskela, E., Mappes, T.: Maternal antibodies postpone *Hantavirus* infection and enhance individual breeding success. Proceedings of the Royal Society B **273**(1602), 2771–2776 (2006). DOI 10.1098/rspb.2006.3645 EDEN0018
- [12] Klingström, J., Hardestam, J., Stoltz, M., Zuber, B., Lundkvist, Å., Linder, S., Ahlm, C.: Loss of cell membrane integrity in puumala *Hantavirus*-infected patients correlates with levels of epithelial cell apoptosis and perforin. Journal of Virology **80**(16), 8279–8282 (2006). DOI 10.1128/JVI.00742-06 EDEN0019
- [13] Klingström, J., Akerström, S., Hardestam, J., Stoltz, M., Simon, M., Falk, K.I., Mirazimi, A., Rottenberg, M., Lundkvist, Å.: Nitric oxide and peroxynitrite have different antiviral effects against *Hantavirus* replication and free mature virions. European Journal of Immunology **36**(10), 2649–2657 (2006). DOI 10.1002/eji.200535587 EDEN0020
- [14] Stanko, M., Krasnov, B.R., Miklisova, D., Morand, S.: Simple epidemiological model predicts the relationships between prevalence and abundance in ixodid ticks. Parasitology **134**(Pt 1), 59–68 (2007). DOI 10.1017/S0031182006001296 EDEN0021
- [15] Laakkonen, J., Kallio-Kokko, H., Vapalahti, O., Vaheri, A., Vyskocilova, M., Munclingei, P., Macholan, M., Henttonen, H.: The screening of parasites and viral pathogens of small mammals from a farm in southern Finland, and genetic identification of the Finnish house mouse, *Mus musculus*. Annales Zoologici Fennici **44**(3), 202–208 (2007) EDEN0022
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- [18] Hartemink, N.A., Davis, S.A., Reiter, P., Hubálek, Z., Heesterbeek, J.A.: Importance of bird-to-bird transmission for the establishment of West Nile virus. *Vector Borne and Zoonotic Diseases* **7**(4), 575–584 (2007). DOI 10.1089/vbz.2006.0613 EDEN0025
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- [20] Kinnunen, P., Billich, C., Ek-Kommonen, C., Henttonen, H., Kallio, R.K.E., Niemimaa, J., Palva, A., Staeheli, P., Vaheri, A., Vapalahti, O.: Serological evidence for Bornavirus infection in humans, wild rodents and other vertebrates in Finland. *Journal of Clinical Virology* **38**(1), 64–69 (2007). DOI 10.1016/j.jcv.2006.10.003 EDEN0027
- [21] Šumilo, D., Bormane, A., Asokliene, L., Lucenko, I., Vasilenko, V., Randolph, S.: Tick-borne encephalitis in the Baltic States: identifying risk factors in space and time. *International Journal of Medical Microbiology* **296 Suppl 40**, 76–79 (2006). DOI 10.1016/j.ijmm.2005.12.006 EDEN0028
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- [26] Bryja, J., Charbonnel, N., Berthier, K., Galan, M., Cosson, J.F.: Density-related changes in selection pattern for major histocompatibility complex genes in fluctuating populations of voles. *Molecular Ecology* **16**(23), 5084–5097 (2007). DOI 10.1111/j.1365-294X.2007.03584.x EDEN0033

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- [31] Ponçon, N., Toty, C., L’Ambert, G., Le Goff, G., Brengues, C., Schaffner, F., Fontenille, D.: Biology and dynamics of potential malaria vectors in southern France. *Malaria Journal* **6**, 18 (2007). DOI 10.1186/1475-2875-6-18 EDEN0038
- [32] Rizzoli, A., Neteler, M., Rosà, R., Versini, W., Cristofolini, A., Bregoli, M., Buckley, A., Gould, E.A.: Early detection of tick-borne encephalitis virus spatial distribution and activity in the province of Trento, northern Italy. *Geospatial Health* **2**, 169–176 (2007) EDEN0039
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- [36] Linard, C., Lamarque, P., Heyman, P., Ducoffre, G., Luyasu, V., Tersago, K., Vanwambeke, S.O., Lambin, E.F.: Determinants of the geographic distribution of Puumala virus and Lyme borreliosis infections in Belgium. *International Journal of Health Geographics* **6**, 15 (2007). DOI 10.1186/1476-072X-6-15 EDEN0043
- [37] Deter, J., Bryja, J., Chaval, Y., Galan, M., Henttonen, H., Laakkonen, J., Voutilainen, L., Vapalahti, O., Vaheri, A., Salvador, A., Morand, S., Cosson, J., Charbonnel, N.: Association between the DQA MHC class II gene and Puumala virus infection in *Myodes glareolus*, the bank vole. *Infection, Genetics and Evolution* **8**, 450–458 (2008). DOI 10.1016/j.meegid.2007.07.003 EDEN0044
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- [41] Roche, B., Lebarbenchon, C., Gauthier-Clerc, M., Chang, C.M., Thomas, F., Renaud, F., van der Werf, S., Guégan, J.F.: Water-borne transmission drives avian influenza dynamics in wild birds: the case of the 2005–2006 epidemics in the Camargue area. *Infection, Genetics and Evolution* **9**(5), 800 – 805 (2009). DOI 10.1016/j.meegid.2009.04.009 EDEN0048
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- [43] Hartemink, N.A., Randolph, S.E., Davis, S.A., Heesterbeek, J.A.P.: The basic reproduction number for complex disease systems: defining R_0 for tick-borne infections. *The American Naturalist* **171**(6), 743–754 (2008). DOI 10.1086/587530 EDEN0051
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- [45] Scharlemann, J.P.W., Johnson, P.J., Smith, A.A., Macdonald, D.W., Randolph, S.E.: Trends in ixodid tick abundance and distribution in Great Britain. Medical and Veterinary Entomology **22**(3), 238–247 (2008). DOI 10.1111/j.1365-2915.2008.00734.x EDEN0054
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- [53] Šumilo, D., Bormane, A., Asokliene, L., Vasilenko, V., Golovljova, I., Avsic-Zupanc, T., Hubálek, Z., Randolph, S.E.: Socio-economic factors in the differential upsurge of tick-borne encephalitis in central and eastern Europe. *Reviews in Medical Virology* **18**(2), 81–95 (2008). DOI 10.1002/rmv.566 EDEN0066
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- [58] Heyman, P., Vaheri, A.: Situation of *Hantavirus* infections and haemorrhagic fever with renal syndrome in European countries as of December 2006. *Eurosurveillance* **13**(7-9), 1–7 (2008) EDEN0074
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