

1. Department of Virology I

- 1) Bukbuk DN, Fukushi S, Tani H, Yoshikawa T, Taniguchi S, Iha K, Fukuma A, Shimojima M, Morikawa S, Saijo M, Kasolo F, Baba SS. Development and validation of serological assays for viral hemorrhagic fevers and determination of the prevalence of Rift Valley fever in Borno State, Nigeria. *Trans R Soc Trop Med Hyg* 108(12):768-773, 2014
- 2) Tani H, Iha K, Shimojima M, Fukushi S, Taniguchi S, Yoshikawa T, Kawaoka Y, Nakasone N, Ninomiya H, Saijo M, Morikawa S. Analysis of Lujo virus cell entry using pseudotype vesicular stomatitis virus. *J Virol* 88: 7317-7330, 2014
- 3) Yoshikawa T, Fukushi S, Tani H, Fukuma A, Taniguchi S, Toda S, Shimazu Y, Yano K, Morimitsu T, Ando K, Yoshikawa A, Kan M, Kato N, Motoya T, Kuzuguchi T, Nishino Y, Osako H, Yumisashi T, Kida K, Suzuki F, Takimoto H, Kitamoto H, Maeda K, Takahashi T, Yamagishi T, Oishi K, Morikawa S, Saijo M, Shimojima M. Sensitive and specific PCR systems for the detection of both Chinese and Japanese severe fever with thrombocytopenia syndrome virus strains, and the prediction of the patient survival based on the viral load. *J Clin Microbiol* 52: 3325-3333, 2014
- 4) Shimojima M, Fukushi S, Tani H, Yoshikawa T, Fukuma A, Taniguchi S, Suda Y, Maeda K, Takahashi T, Morikawa S, Saijo M. Effects of ribavirin on severe Fever with thrombocytopenia syndrome virus in vitro. *Jpn J Infect Dis* 67: 423-427, 2014
- 5) Yoshikawa T, Shimojima M, Fukushi S, Tani H, Fukuma A, Taniguchi S, Singh H, Suda Y, Shirabe K, Toda S, Shimazu Y, Nomachi T, Gokuden M, Morimitsu T, Ando K, Yoshikawa A, Kan M, Uramoto M, Osako H, Kida K, Takimoto H, Kitamoto H, Terasoma F, Honda A, Maeda K, Takahashi T, Yamagishi T, Oishi K, Morikawa S, Saijo M. Phylogenetic and Geographic Relationships of severe Fever With Thrombocytopenia Syndrome Virus in China, South Korea, and Japan. *J Infect Dis* 212(6):889-898, 2015
- 6) Takahashi T, Maeda K, Suzuki T, Ishido A, Shigeoka T, Tominaga T, Kamei T, Honda M, Ninomiya D, Sakai T, Senba T, Kaneyuki S, Sakaguchi S, Satoh A, Hosokawa T, Kawabe Y, Kurihara S, Izumikawa K, Kohno S, Azuma T, Suemori K, Yasukawa M, Mizutani T, Omatsu T, Katayama Y, Miyahara M, Ijuin M, Doi K, Okuda M, Umeki K, Saito T, Fukushima K, Nakajima K, Yoshikawa T, Tani H, Fukushi S, Fukuma A, Ogata M, Shimojima M, Nakajima N, Nagata N, Katano H, Fukumoto H, Sato Y, Hasegawa H, Yamagishi T, Oishi K, Kurane I, Morikawa S, Saijo M. The first identification and retrospective study of severe fever with thrombocytopenia syndrome in Japan. *J Infect Dis* 209(6):816-827, 2014
- 7) Abe M, Fukuma A, Yoshikawa R, Miyazawa T, Yasuda J. Inhibition of budding/release of porcine endogenous retrovirus. *Microbiol Immunol* 58:432-438, 2014
- 8) Kimura H, Tsukagoshi H, Ryo A, Oda Y, Kawabata T, Majima T, Kozawa K, Shimojima M. Ebola Virus Disease: A Literature Review. *J Coastal Life Med* 4(1):930-935, 2014
- 9) Ohagi Y, Tamura S, Nakamoto C, Nakamoto H, Saijo M, Shimojima M, Nakano Y, Fujimoto T. Mild clinical course of severe fever with thrombocytopenia syndrome virus infection in an elderly Japanese patient. *Case Rep Infect Dis* 2014:918135, 2014
- 10) Shimojima M, Takenouchi A, Shimoda H, Kimura N, Maeda K. Distinct usage of three C-type lectins by Japanese encephalitis virus: DC-SIGN, DC-SIGNR, and LSECtin. *Arch Virol* 159(8):2023-2031, 2014
- 11) Kobayashi KI, Hikone M, Sakamoto N, Iwabuchi S, Kashiura M, Takasaki T, Fujita H, Ohnishi K. Dengue-Associated Hemophagocytic Syndrome in a Japanese Traveler: A Case Report. *J Travel Med* 22(1):64-66, 2015
- 12) Arima Y, Matsui T, Shimada T, Ishikane M, Kawabata K, Sunagawa T, Kinoshita H, Takasaki T, Tsuda Y,

- Sawabe K, Oishia K. Ongoing local transmission of dengue in Japan, August to September 2014. *WPSAR* 5(4):27-29, 2014
- 13) Kutsuna S, Kato Y, Moi ML, Kotaki A, Ota M, Shinohara K, Kobayashi T, Yamamoto K, Fujiya Y, Mawatari M, Takeshita N, Hayakawa K, Kanagawa S, Takasaki T, Ohmagari N. Autochthonous dengue fever, Tokyo, Japan, 2014. *Emerg Infect Dis* 21(3):517-520, 2015
- 14) Moi ML, Ami Y, Shirai K, Lim CK, Suzaki Y, Saito Y, Kitaura K, Saijo M, Suzuki R, Kurane I, Takasaki T. Formation of infectious dengue virus-antibody immune complex in vivo in marmosets (*Callithrix jacchus*) after passive transfer of anti-dengue virus monoclonal antibodies and infection with dengue virus. *Am J Trop Med Hyg* 92(2):370-376, 2015
- 15) Hoshino K, Isawa H, Kuwata R, Tajima S, Takasaki T, Iwabuchi K, Sawabe K, Kobayashi M, Sasaki T. Establishment and characterization of two new cell lines from the mosquito *Armigeres subalbatus* (Coquillett) (Diptera: Culicidae). *In Vitro Cellular and Developmental Biology-Animal* (2015 Mar 12 [Epub ahead of print])
- 16) Tajima S, Yagasaki K, Kotaki A, Tomikawa T, Nakayama E, Moi ML, Lim CK, Saijo M, Kurane I, Takasaki T. In vitro growth, pathogenicity, and serological characteristics of the Japanese encephalitis virus genotype V Muar strain. *J Gen Virol* 96(9):2661-2669, 2015
- 17) Saito Y, Moi ML, Kotaki A, Ikeda M, Tajima S, Shiba H, Hosono K, Saijo M, Kurane I, Takasaki T. Detection of dengue virus nonstructural protein 1 (NS1) in urine samples using ELISA as a laboratory diagnostic method for dengue virus infection. *Jpn J Infect Dis* 212:889-98, 2015
- 18) Nakamichi K, Tajima S, Lim CK, Saijo M. High-resolution melting analysis for mutation scanning in the non-coding control region of JC polyomavirus from patients with progressive multifocal leukoencephalopathy. *Arch Virol* 159(7):1687-1696, 2014
- 19) Nakamichi K, Lim CK, Saijo M. Stability of JC virus DNA in cerebrospinal fluid specimens preserved with guanidine lysis buffer for quantitative PCR testing. *Jpn J Infect Dis* 67(4):307-310, 2014
- 20) Shirai S, Yabe I, Kano T, Shimizu Y, Sasamori T, Sato K, Hirofumi M, Nonaka T, Takahashi I, Matsushima M, Minami N, Nakamichi K, Saijo M, Hatanaka KC, Shiga T, Tanaka S, Sasaki H. Usefulness of (11)C-methionine-positron emission tomography for the diagnosis of progressive multifocal leukoencephalopathy. *J Neurol* 261(12):2314-2318, 2014
- 21) Miyagawa M, Maeda M, Umino M, Kagawa K, Nakamichi K, Sakuma H, Tomimoto H. Low signal intensity in U-fiber identified by susceptibility-weighted imaging in two cases of progressive multifocal leukoencephalopathy. *J Neurol Sci* 344(1-2):198-202, 2014
- 22) Ohara H, Kataoka H, Nakamichi K, Saijo M, Ueno S. Favorable outcome after withdrawal of immunosuppressant therapy in progressive multifocal leukoencephalopathy after renal transplantation: case report and literature review. *J Neurol Sci* 341(1-2):144-146, 2014
- 23) Nukuzuma S, Nakamichi K, Kameoka M, Sugiura S, Nukuzuma C, Tasaki T, Takegami T. TNF- α stimulates replication of JC virus efficiently in neuroblastoma cells. *J Med Virol* 86:2026-2032, 2014
- 24) Nabeshima T, Inoue S, Okamoto K, Posadas-Herrera G, Yu F, Uchida L, Ichinose A, Sakaguchi M, Sunahara T, Buerano CC, Tadana FP, Orbita IB, Natividad FF, Morita K. Tanay virus, a new species of virus isolated from mosquitoes in the Philippines. *J Gen Virol* 95(Pt 6):1390-1395, 2014
- 25) Takayama-Ito M, Nakamichi K, Kinoshita H, Kakiuchi S, Kurane I, Saijo M, Lim CK. A sensitive in vitro assay for the detection of residual viable rabies

- virus in inactivated rabies vaccines. *Biologicals* 42(1), 42-47, 2014
- 26) Takeshita N, Lim CK, Mizuno Y, Shimbo T, Kotaki A, Ujiie M, Hayakawa K, Kato Y, Kanagawa S, Kaku M, Takasaki T. Immunogenicity of single-dose Vero cell-derived Japanese encephalitis vaccine in Japanese adults. *J Infect Chemother* 20, 238-242, 2014
- 27) Andoh M, Ogasawara Y, Sakata A, Itoh T, Fujita H, Kawabata H, Ando S. Isolation of the rickettsial agent genetically similar to *Candidatus Rickettsia kotlanii*, from *Haemaphysalis megaspinosa* in Japan. *Vector Borne Zoonotic Dis* 14(9):681-684, 2014
- 28) Gaowa, Yoshikawa Y, Ohashi N, Wu D, Kawamori F, Ikegaya A, Watanabe T, Saitoh K, Takechi D, Murakami Y, Shichi D, Aso K, Ando S. *Anaplasma phagocytophilum* antibodies in humans, Japan, 2010-2011. *Emerg Infect Dis* 20(3):508-509, 2014
- 29) Hidano A, Konnai S, Yamada S, Yoshimura H, Gitahi N, Isesaki M, Higuchi H, Nagahata H, Ito T, Takano A, Ando S, Kawabata H, Murata S, Ohashi K. Suppressive effects of neutrophil by Salp16-like salivary gland proteins from *Ixodes persulcatus* Schulze tick. *Insect Mol Biol* 23(4):466-474, 2014
- 30) Natsuaki M, Takada N, Kawabata H, Ando S, Yamanishi K. Case of tick-associated rash illness caused by *Amblyomma testudinarium*. *J Dermatol* 41(9):834-846, 2014
- 31) Ogawa M, Fukasawa M, Satoh M, Hanada K, Saijo M, Uchiyama T, Ando S. The intracellular pathogen *Orientia tsutsugamushi* responsible for scrub typhus induces lipid droplet formation in mouse fibroblasts. *Microb Infect* 16(11):962-966, 2014
- 32) Satoh M, Ogawa M, Saijo S, Ando S. Multilocus VNTR analysis-ompA typing of venereal isolates of *Chlamydia trachomatis* in Japan. *J Infect Chemother* 20(10):656-659, 2014
- 33) Takano A, Fujita H, Kadosaka T, Takahashi M, Yamauchi T, Ishiguro F, Takada N, Yano Y, Oikawa Y, Honda T, Gokuden M, Tsunoda T, Turumi M, Ando S, Andoh M, Sato K, Kawabata H. Construction of a DNA database for ticks collected in Japan: application of molecular identification based on the mitochondrial 16S rDNA gene. *Med Entomol Zool* 65(1):13-21, 2014
- 34) Yamada S, Fukuchi S, Hashimoto K, Fukui Y, Tsuda M, Kataoka M, Katano H, Inoue N. Guinea pig cytomegalovirus GP129/131/133, homologues of human cytomegalovirus UL128/130/131A, are necessary for infection of monocytes and macrophages. *J Gen Virol* 95(Pt 6):1376-1382, 2014
- 35) Yamanaka A, Iwakiri A, Yoshikawa T, Sakai K, Singh H, Himeji D, Kikuchi I, Ueda A, Yamamoto S, Miura M, Shioyama Y, Kawano K, Nagaishi T, Saito M, Minomo M, Iwamoto N, Hidaka Y, Sohma H, Kobayashi T, Kanai Y, Kawagishi T, Nagata N, Fukushi S, Mizutani T, Tani H, Taniguchi S, Fukuma A, Shimojima M, Kurane I, Kageyama T, Odagiri T, Saijo M, Morikawa S. Imported case of acute respiratory tract infection associated with a member of species nelson bay orthoreovirus. *PLoS One* 9(3):e92777, 2014
- 36) Tani H. Analyses of entry mechanisms of novel emerging viruses using pseudotype VSV system. *Trop Med Health* 42(2 Suppl):71-82, 2014
- 37) Takei F, Tani H, Matsuura Y, Nakatani K. Detection of hepatitis C virus by single-step hairpin primer RT-PCR. *Bioorg Med Chem Letters* 24(1):394-396, 2014
- 38) Orba Y, Sasaki M, Yamaguchi H, Ishii A, Thomas Y, Ogawa H, Hang'ombe BM, Mweene AS, Morikawa S, Saijo M, Sawa H. Orthopoxvirus infection among wildlife in Zambia. *J Gen Virol* 96(Pt 2):390-394, 2015
- 39) Nagata N, Saijo M, Kataoka M, Ami Y, Suzuki Y, Sato Y, Iwata-Yoshikawa N, Ogata M, Kurane I, Morikawa S, Sata T, Hasegawa H. Pathogenesis of fulminant monkeypox with bacterial sepsis after experimental infection with West African monkeypox virus in a cynomolgus monkey. *J Clin Exp Pathol* 7(7):4359-4370, 2014

- 40) Nagata N, Iwata-Yoshikawa N, Hayasaka D, Sato Y, Kojima A, Kariwa H, Takashima I, Takasaki T, Kurane I, Sata T, Hasegawa H. The pathogenesis of 3 neurotropic flaviviruses in a mouse model depends on the route of neuroinvasion after viremia. *J Neuropathol Exp Neurol* 74(3):250-260, 2015
- 41) Shirai K, Hayasaka D, Kitauro K, Takasaki T, Morita K, Suzuki R, Kurane I. Qualitative differences in brain-infiltrating T cells are associated with a fatal outcome in mice infected with Japanese encephalitis virus. *Arch Virol* 160(3):765-775, 2015
- 42) Shimoda H, Saito A, Noguchi K, Terada Y, Kuwata R, Akari H, Takasaki T, Maeda K. Seroprevalence of Japanese encephalitis virus infection in captive Japanese macaques (*Macaca fuscata*). *Primates* 55(3):441-445, 2014