

18. Infectious Disease Surveillance Center

- 1) Sugishita Y, Ohkusa Y, Sugawara T, Shimatani N, Nadaoka Y, Kamiya N, Yasui Y, Taniguchi K and Okabe N: Enhanced Syndromic Surveillance for the Fourth Japan-China-South Korea Trilateral Summit 2011Y/J Bioterr Biodef 4:126/2013
- 2) Barboza P, Vaillant L, Mawudeku A, Nelson NP, Hartley DM, Madoff LC, Linge JP, Collier N, Brownstein JS, Yangarber R, Astagneau P; Early Alerting Reporting Project Of The Global Health Security Initiative. Evaluation of epidemic intelligence systems integrated in the early alerting and reporting project for the detection of A/H5N1 influenza events. PLoS One, 2013; 8(3): e57252, 2013.
- 3) Hashimoto S, Kawado M, Murakami Y, Ohta A, Shigematsu M, Tada Y, Taniguchi K, Nagai M. Number of sentinel medical institutions needed for estimating prefectural incidence in influenza surveillance in Japan. J Epidemiol. 24(3):183-92, 2014.
- 4) Ushizawa H, Foxwell A, Bice S, Matsui T, Ueki Y, Tosaka N, Shoko T, Aiboshia J, Otomo Y: Needs for disaster medicine: lessons from the field of the Great East Japan Earthquake. Western Pacific Surveillance and Response, 2013
- 5) Wang LX, Takayama-Ito M, Kinoshita-Yamaguchi H, Kakiuchi S, Suzutani T, Nakamichi K, Lim CK, Kurane I, Saijo M. Characterization of DNA polymerase-associated acyclovir-resistant herpes simplex virus type 1: mutations, sensitivity to antiviral compounds, neurovirulence, and in-vivo sensitivity to treatment. Jpn J Infect Dis. 66(5): 404-410, 2013.
- 6) Kakiuchi S, Nonoyama S, Wakamatsu H, Kogawa K, Wang L, Kinoshita-Yamaguchi H, Takayama-Ito M, Lim CK, Inoue N, Mizuguchi M, Igarashi T, Saijo M. Neonatal herpes encephalitis caused by a virologically confirmed acyclovir-resistant herpes simplex virus 1 strain. J Clin Microbiol. 51(1): 356-359, 2013.
- 7) 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.
- 8) Tanaka-Taya K, Satoh H, Arai S, Yamagishi T, Yahata Y, Kamiya H, Nakashima K, Matsui T, Saito T, Kanou K, Shimada T, Kinoshita H, Yamashita K, Yasui Y, Tada Y, Mori Y, Takeda M, Sunagawa T, Oishi K. Nationwide rubella epidemic in Japan, 2013, MMDW, June 14, 2013 / 62(23):457-462.
- 9) Miyata I, Hanaoka N, Okabe N, Fujimoto T, Sakamoto S, Kasahara M, Saitoh A. Echovirus 3 as another enterovirus causing life-threatening neonatal fulminant hepatitis. J Clin Virol. 2014 Feb;59(2):132-4.
- 10) Adhikary AK, Hanaoka N, Fujimoto T. Simple and cost-effective restriction endonuclease analysis of human adenoviruses. Biomed Res Int. 2014;2014:363790.
- 11) Matsutani M, Ogawa M, Takaoka N, Hanaoka N, Toh H, Yamashita A, Oshima K, Hirakawa H, Kuhara S, Suzuki H, Hattori M, Kishimoto T, Ando S, Azuma Y, Shirai M. Complete genomic DNA sequence of the East Asian spotted fever disease agent *Rickettsia japonica*. PLoS One. 2013 Sep 9;8(9):e71861.
- 12) Fujimoto T, Yamane S, Ogawa T, Hanaoka N, Ogura A, Hotta C, Niwa T, Chiba Y, Gonzalez G, Aoki K, Koyanagi KO, Watanabe H. A novel complex recombinant form of type 48-related human adenovirus species d isolated in Japan. Jpn J Infect Dis. in press
- 13) Yasui Y, Makino T, Hanaoka N, Owa K, Horikoshi A, Tanaka A, Suehiro Y, Shimizu H, Kanou K, Kobayashi M, Konagaya M, Fujimoto T. A case of atypical hand-foot-and-mouth disease caused by coxsackievirus A6: differential diagnosis from varicella in a pediatric intensive care unit., Jpn J Infect Dis. 2013;66(6):564-6.
- 14) Abe M, Tahara M, Sakai K, Yamaguchi H, Kanou K, Shirato K, Kawase M, Noda M, Kimura H, Matsuyama S, Fukuhara H, Mizuta K, Maenaka K, Ami Y, Esumi M, Kato A, Takeda M, TMPRSS2 is an activating protease for respiratory parainfluenza viruses., J Virol. 2013 Nov;87(21):11930-5.
- 15) Kushibuchi I, Kobayashi M, Kusaka T, Tsukagoshi H, Ryo A, Yoshida A, Ishii H, Saraya T, Kurai D, Yamamoto N, Kanou K, Saitoh M, Noda M, Kuroda M, Morita Y, Kozawa K, Oishi K, Tashiro M, Kimura H. Molecular evolution of attachment glycoprotein (G) gene in human respiratory syncytial virus detected in Japan 2008-2011., Infect Genet Evol. 2013 Aug;18:168-73.
- 16) Kobayashi M, Makino T, Hanaoka N, Shimizu H, Enomoto M, Okabe N, Kanou K, Konagaya M, Oishi K,

- Fujimoto T, Clinical manifestations of coxsackievirus A6 infection associated with a major outbreak of hand, foot, and mouth disease in Japan., Jpn J Infect Dis. 2013;66(3):260-1.
- 17) Arai S, Nguyen, S. T., Boldgiv, B., Fukui, D., Araki K, Dang, C. N., Ohdachi, S. D., Nguyen, N. X., Pham, T. D., Boldbaatar, B., Satoh, H., Yoshikawa, Y., Morikawa, S., Tanaka-Taya K, Yanagihara, R., and Oishi K. Novel Bat-borne Hantavirus, Vietnam. Emerging Infectious Diseases. 19(7): 1159-1161. 2013.
- 18) Arai S, Tabara, K., Yamamoto, N., Fujita, H., Itagaki, A., Kon, M., Satoh H, Araki K, Tanaka-Taya K, Takada, N., Yoshikawa, Y., Ishihara, C., Okabe N, Oishi K. Molecular phylogenetic analysis of Orientia tsutsugamushi based on the groES and groEL genes. Vector-borne and zoonotic diseases. 13(11): 825-829. 2013.
- 19) Nabae K, Satoh H, Nishiura H, Tanaka-Taya K, Okabe N, Oishi K, Matsumoto K, Hasegawa T. : Estimating the risk of parvovirus B19 infection in blood donors and pregnant women in Japan. PLoS One. 2014;9(3):e92519. doi: 10.1371/journal.pone.0092519. eCollection 2014.
- 20) Yokomichi H, Kurihara S, Yokoyama T, Inoue E, Tanaka-Taya K, Kono S, Yamagata Z. : The pandemic influenza A (H1N1) 2009 vaccine does not increase the mortality rate of idiopathic interstitial pneumonia: a matched case-control study. PLoS One. 2014;9(2):e88927. doi: 10.1371/journal.pone.0088927. eCollection 2014.
- 21) Ito Y, Kimura H, Torii Y, Hayakawa M, Tanaka T, Tajiri H, Yoto Y, Tanaka-Taya K, Kanegane H, Nariai A, Sakata H, Tsutsumi H, Oda M, Yokota S, Morishima T, Moriuchi H; Japanese Society for Pediatric Infectious Diseases. Risk factors for poor outcome in congenital cytomegalovirus infection and neonatal herpes on the basis of a nationwide survey in Japan. Pediatr Int. 2013;55(5):566-71.
- 22) Torii Y, Kimura H, Ito Y, Hayakawa M, Tanaka T, Tajiri H, Yoto Y, Tanaka-Taya K, Kanegane H, Nariai A, Sakata H, Tsutsumi H, Oda M, Yokota S, Morishima T, Moriuchi H; Japanese Society for Pediatric Infectious Diseases : Clinicoepidemiologic status of mother-to-child infections: a nationwide survey in Japan. Pediatr Infect Dis J. 2013 ;32(6):699-701.
- 23) Kishida N, Imai M, Xu H, Taya K, Fujisaki S, Takashita E, Tashiro M, Odagiri T. : Seroprevalence of a novel influenza A (H3N2) variant virus in the Japanese population. Jpn J Infect Dis. 2013;66(6):549-51.
- 24) Senchi K, Matsunaga S, Hasegawa H, Kimura H, Ryo A. Development of oligomannose-coated liposome-based nasal vaccine against human parainfluenza virus type 3. Front Microbiol. 4:346, 2013.
- 25) Nishina A, Kimura H, Tsukagoshi H, Kozawa K, Koketsu M, Ninomiya M, Sato D, Obara Y, Furukawa S. Neurite outgrowth of PC12 cells by 4'-O- β -D-glucopyranosyl-3',4-dimethoxychalcone from Brassica rapa L. 'hidabeni' was enhanced by pretreatment with p38MAPK inhibitor. Neurochem Res. 38(11):2397-2407, 2013.
- 26) Kobayashi M, Takayama I, Kageyama T, Tsukagoshi H, Saitoh M, Ishioka T, Yokota Y, Kimura H, Tashiro M, Kozawa K. A new reassortant swine influenza A (H1N2) virus derived from A (H1N1) pdm09 virus isolated from swine. Emerg Infect Dis. 19(12):1972-4, 2013.
- 27) Miyaji Y, Kobayashi M, Sugai K, Tsukagoshi H, Niwa S, Fujitsuka-Nozawa A, Noda M, Kozawa K, Yamazaki F, Mori M, Yokota S, Kimura H. Respiratory severity and virus profiles in Japanese children with acute respiratory illness. Microbiol Immunol. 57(12):811-821, 2013.
- 28) Kiyota N, Kobayashi M, Tsukagoshi H, Ryo A, Harada S, Kusaka T, Obuchi M, Shimojo N, Noda M, Kimura H. Genetic analysis of human rhinovirus species A to C detected in patients with acute respiratory infection in Kumamoto prefecture, Japan 2011-2012, Infect Mol Evol. 21:90-102, 2013.
- 29) Abe M, Tahara M, Yamaguchi H, Kanou K, Shirato K, Kawase M, Noda M, Kimura H, Matsuyama S, Fukuhara H, Mizuta K, Maenaka K, Ami Y, Esumi M, Kato A, Takeda M. TMPRSS2 is an activating protease for respiratory parainfluenza viruses. J Virol. 87(21):11930-11935, 2013.
- 30) Matsuda S, Nakamura M, Hirano E, Kiyota N, Omura T, Suzuki Y, Noda M, Kimura H. Characteristics of human metapneumovirus infection prevailing in hospital wards housing patients with severe disabilities. Jpn J Infect Dis. 66(3):195-200, 2013.
- 31) Tsukagoshi H, Yokoi H, Kobayashi M, Kushibuchi I, Okamoto-Nakagawa R, Yoshida A, Morita A, Noda M,

- Yamamoto N, Sugai K, Oishi K, Kozawa K, Kuroda M, Shirabe K, Kimura H. Genetic analysis of attachment glycoprotein (G) gene in new genotype ON1 of human respiratory syncytial virus detected in Japan. *Microbiol Immunol.* 57(9):655-659, 2013.
- 32) Ishioka T, Yamada Y, Kimura H, Yoshizumi M, Tsukagoshi H, Kozawa K, Maruyama K, Hayashi Y, Kato M. Elevated macrophage inflammatory protein 1 α and interleukin-17 production in an experimental asthma model infected with respiratory syncytial virus. *Int Arch Allergy Immunol.* 161(2):129-137, 2013.
- 33) Boonmar S, Morita Y, Pulsrikarn C, Chaichana P, Pornruagwong S, Chauchom S, Sychanh T, Khounsy T, Sisavath D, Yamamoto S, Sato H, Ishioka T, Noda M, Kozawa K, Kimura H. Salmonella prevalence in meat at retail markets in Pakse, Champasak Province, Laos, and antimicrobial susceptibility of isolates. *J Global Antimicrobial Resistance.* 1, 157-161, 2013.
- 34) Mizuta K, Yamakawa T, Nagasawa H, Itagaki T, Katsushima F, Katsushima Y, Shimizue Y, Ito S, Aokia Y, Ikeda T, Abiko C, Kuroda M, Noda M, Kimura H, Ahiko T. Epidemic myalgia associated with human parechovirus type 3 infection among adults occurs during an outbreak among children: Findings from Yamagata, Japan, in 2011. *J Clin Virol.* 58(1):188-193, 2013.
- 35) Kushibuchi I, Kobayashi M, Kusaka T, Tsukagoshi H, Ryo H, Yoshida A, Ishii H, Saraya T, Kurai D, Yamamoto N, Kanou K, Saitoh M, Noda M, Kuroda M, Morita Y, Kozawa K, Oishi K, Tashiro M, Kimura H. Molecular evolution of attachment glycoprotein (G) gene in human respiratory syncytial virus detected in Japan 2008-2011. *Infect Genet Evol.* 18:168-173, 2013.
- 36) Saraya T, Mikoshiba M, Kamiyama H, Yoshizumi M, Tsuchida S, Tsukagoshi H, Ishioka T, Terada M, Tanabe E, Tomioka C, Ishii H, Kimura H, Kozawa K, Shiohara T, Takizawa T, Goto T. Evidence for reactivation of human herpes virus 6 in generalized lymphadenopathy in a patient with drug induced hypersensitivity syndrome. *J Clin Microbiol.* 51(6): 1979-1982, 2013.
- 37) Nishina A, Kimura H, Tsukagoshi H, Kozawa K, Koketsu M, Ninomiya M, Furukawa S. Neurite outgrowth in PC12 cells stimulated by components from *Dendranthema × grandiflorum* cv. 'Mottenohoka' is enhanced by suppressing phosphorylation of p38MAPK. *Evid Based Complement Alternat Med.* 2013: 403503, 2013.
- 38) Mizuta K, Abiko C, Aoki Y, Ikeda T, Matsuzaki Y, Itagaki T, Katsushima F, Katsushima Y, Noda M, Kimura H, Ahiko T. Seasonal patterns of respiratory syncytial virus, influenza A virus, human metapneumovirus, and parainfluenza virus type 3 infections based on virus isolation data between 2004 and 2011 in Yamagata, Japan. *Jpn J Infect Dis.* 66(2):140-145, 2013.
- 39) Kiyota N, Kushibuchi I, Kobayashi M, Tsukagoshi H, Ryo A, Nishimura K, Hirata-Saito A, Harada S, Arakawa M, Kozawa K, Noda M, Kimura H. Genetic analysis of VP4/VP2 coding region in human rhinovirus species C detected from the patients with acute respiratory infection in Japan. *J Med Microbiol.* 62, 610-617, 2013.
- 40) Seki E, Yoshizumi M, Tanaka R, Ryo A, Ishioka T, Tsukagoshi H, Kozawa K, Okayama Y, Goya T, Kimura H. Cytokine profiles, signaling pathways, and effects of fluticasone propionate in respiratory syncytial virus-infected human fetal lung fibroblasts. *Cell Biol Int.* 37(4), 326-339, 2013.
- 41) Wakai K, Sano H, Shimada A, Shiozawa Y, Park MJ, Sotomatsu M, Yanagisawa R, Koike K, Kozawa K, Ryo A, Tsukagoshi H, Kimura H, Hayashi Y. Cytomegalovirus retinitis during maintenance therapy for T-cell acute lymphoblastic leukemia. *J Pediatr Hematol Oncol.* 35(2):162-163, 2013.
- 42) Abiko C, Mizuta K, Aoki Y, Ikeda T, Itagaki T, Noda M, Kimura H, Ahiko T. An outbreak of parainfluenza virus type 4 infections among children with acute respiratory infections, in the 2011-12 winter season in Yamagata, Japan. *Jpn J Infect Dis.* 66(1): 76-78, 2013.
- 43) Sakano C, Kuroda M, Sekizuka T, Ishioka T, Morita Y, Ryo A, Tsukagoshi H, Kawai Y, Inoue N, Takada H, Ogasawara Y, Nishina A, Shimoda M, Kozawa K, Oishi K, Kimura H. Genetic analysis of non-hydrogen sulfide-producing *Salmonella enterica* serovar Typhimurium and Infantis isolates in Japan. *J Clin Microbiol.* 51(1):328-330, 2013.
- 44) Nakamura M, Hirano E, Ishiguro F, Mizuta K, Noda M, Tanaka R, Tsukagoshi H, Kimura H. Molecular epidemiology of human metapneumovirus from 2005 to 2011 in Fukui, Japan. *Jpn J Infect Dis.* 66(1): 56-59, 2013.

- 45) Kobayashi M, Tsukagoshi H, Ishioka T, Mizuta K, Noda M, Morita Y, Ryo A, Kozawa K, Kimura H. Seroepidemiology of saffold cardiovirus (SAFV) genotype 3 in Japan. *J Infect.* 66(2): 191-193, 2013.
- 46) Kimura H, Yoshizumi Y, Ishii H, Oishi K, Ryo A. Cytokine productions and signaling pathways in respiratory virus infection. *Front Microbiol.* 4:276, 2013.
- 47) Tsukagoshi H, Ishioka T, Noda M, Kozawa K, Kimura H. Molecular epidemiology of respiratory viruses in virus-induced asthma. *Front Microbiol.* 4:278, 2013.
- 48) Mori S, Ueki Y, Akeda Y, Hirakata N, Oribe M, Shiohira Y, Hidaka T, Oishi K. Pneumococcal polysaccharide vaccination in rheumatoid arthritis patients receiving tocilizumab therapy. *Ann Rheum Dis* 72 (8): 1362-1366, 2013
- 49) Seki M, Gotoh K, Nakamura S, Akeda Y, Yoshii T, Miyaguchi S, Inohara H, Horii T, Oishi K, Iida T, Tomono K. Fatal sepsis caused by an unusual Klebsiella species that was misidentified by an automated identification system. *J Med Microbiol.* 62(5): 801-803, 2013
- 50) Ohshima N, Nagai H, Matsui H, Akashi S, Makino T, Akeda Y, Oishi K. Sustained functional serotype-specific antibody after primary and secondary vaccinations with a pneumococcal polysaccharide vaccine in elderly patients with chronic lung disease. *Vaccine.* 32:1181-1186, 2014
- 51) Nakayama T, Oishi K. Influence of coffee (*Coffea arabica*) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses. *FEMS Microbiol Lett.* 343(2): 161-168, 2013.
- 52) Nakayama T, Takeuchi D, Matsumura T, Akeda Y, Fujinaga Y, Oishi K. Alcohol consumption promotes the intestinal translocation of *Streptococcus suis* infections. *Microb Pathog.* 65C: 14-20, 2013.
- 53) 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
- 54) Takeuchi D, Akeda Y, Nakayama T, Kerdsin A, Sano Y, Kanda T, Hamada S, Dejsirilert S, Oishi K. The contribution of suislysin to the pathogenesis of *Streptococcus suis* meningitis. *J Infect Dis* 209:1509-19.2014
- 55) Tamura K, Matsubara K, Ishiwada N, Nishi J, Ohnishi H, Suga S, Ihara T, Bin Chang B, Akeda Y, Oishi K, the Japanese IPD Study Group. Hyporesponsiveness to the infecting serotype after vaccination of children with seven-valent pneumococcal conjugate vaccine following invasive pneumococcal disease. *Vaccine.* 32:1444-1450, 2014