

## 18. Infectious Disease Surveillance Center

- 1) Okabe N.: Understanding of emerging and re-emerging diseases. *J Disaster Research* .6(4):372-380, 2011.
- 2) Okabe N.: Epidemiological situation on pandemic influenza H1N1 in the world and in Japan. *Jap Med Assoc J.* 54(5):277-283.2011.
- 3) Eshima N, Tokumaru O,Hara S,Bacal K,Korematsu S, Tabata M,Karukaya S,Yasui Y, Okabe N, Matsuishi T.: Sex- and Age-Related Differences in Morbidity Rates of 2009 Pandemic Influenza A H1N1 Virus of Swine Origin in Japan. *PLoS ONE* . 6(4): e19409. doi:10.1371/journal.pone.0019409, 2011
- 4) Takayana N, Sakiyama H, Okabe N, Umemoto S.: Cumulative vaccination coverage for the 1st, 2nd, and booster doses of stage 1 Japanese encephalitis vaccination in Japan: Results of year 2009 nationwide survey. *Jap Med Assoc J.* 54(3):186-190, 2011.
- 5) Inaida S, Yasui Y, Tada Y, Taniguchi K, Okabe N. Geographic Trends and Spread of the Pandemic (H1N1) 2009 in the Metropolitan Areas of Japan Studied from the National Sentinel Data. *Jpn J Infect Dis.* Nov; 64(6):473-81. 2011.
- 6) Ohkusa Y, Sugawara T, Taniguchi K, Okabe N. Real-time estimation and prediction for pandemic A/H1N1(2009) in Japan. *J Infect Chemother.* 17:468-472. 2011.
- 7) Sugawara T, Ibuka Y, Ohkusa Y, Kawanojara H, Taniguchi K , Okabe N : Real-time Prescription Surveillance and its Application to Monitoring Seasonal Influenza Activity in Japan, *J Med Internet Res*, 14(1), 1-9, 2012.
- 8) Van Kerkhove MD, Vandemaele KAH, Shinde V, Jaramillo-Gutierrez G, Koukounari A, Taniguchi K, et al. Risk Factors for Severe Outcomes following 2009 Influenza A (H1N1) Infection: A Global Pooled Analysis. *PLoS Med* 8(7): e1001053. doi:10.1371/journal.pmed.1001053, 2011
- 9) Sugiura H, Ohkusa Y, Akahane M, Sano T, Okabe N, Immamura T : Development of a web-based survey for monitoring daily health and its application in an epidemiological survey, *J Med Internet Res*, 13(3), 1-9, 2011.
- 10) Kamiya H, Nakano T, Kamiya H, Yui A, Taniguchi K, Parashar U; Rotavirus Epidemiology Study Group. Rotavirus-associated acute gastroenteritis hospitalizations among Japanese children aged <5 years: active rotavirus surveillance in Mie Prefecture, Japan. *Jpn J Infect Dis.*; 64(6):482-7. 2011.
- 11) Gu Y, Komiya N, Kamiya H, Yasui Y, Taniguchi K, Okabe N. Pandemic (H1N1) 2009 transmission during presymptomatic phase, Japan. *Emerg Infect Dis.* Sep; 17(9):1737-9. 2011.
- 12) Ishii, K., T. Kiyohara, Yoshizaki, S., Wakita, T., Shimada, T., Nakamura, N., Nakashima, K., Tada, Y., Noda, M. "Epidemiological and genetic analyses of a diffuse outbreak of hepatitis A in Japan, 2010. *J Clin Virol.* 2011.
- 13) Kawai T, Sekizuka T, Yahata Y, Kuroda M, Kumeda Y, Iijima Y, Kamata Y, Sugita-Konishie Y, Ohnishi T. Identification of *Kudoa septempunctata* as the causative agent of novel food poisoning outbreaks in Japan by consumption of *Paralichthys olivaceus* in raw. *Clin Infect Dis.* (in press)
- 14) Tsuchihashi Y, Sunagawa T, Yahata Y, Takahashi H, Toyokawa T, Odaira F, Ohyama T, Taniguchi K, Okabe N. Association Between Seasonal Influenza Vaccination in 2008-2009 and Pandemic Influenza A (H1N1) 2009 Infection Among School Students From Kobe, Japan, April-June 2009. *Clin Infect Dis.* Feb 1;54(3):381-3. 2012
- 15) Toyokawa T, Sunagawa T, Yahata Y, Ohyama T, Kodama T, Satoh H, Ueno-Yamamoto K, Arai S, Araki K, Odaira F, Tsuchihashi Y, Takahashi H, Tanaka-Taya K, Okabe N. Seroprevalence of antibodies to pandemic (H1N1) 2009 influenza virus among health care workers in two general hospitals after first outbreak in Kobe, Japan. *J Infect.*;63(4):281-7. 2011.
- 16) Davaalkham J, Unenchimeg P, Baigalmaa C, Erdenetuya G, Nyamkhuu D, Shiino T, Tsuchiya K, Hayashida T, Gatanaga H, Oka S. Identification of a current hot spot of HIV type 1 transmission in Mongolia by molecular epidemiological analysis. *AIDS Res Hum Retroviruses.* Oct;27(10):1073-80. Epub 2011 May 25. 2011.
- 17) Ishii H, Kawada M, Tsukamoto T, Yamamoto H, Matsuoka S, Shiino T, Takeda A, Inoue M, Iida A, Hara H, Shu T, Hasegawa M, Naruse TK, Kimura A, Takiguchi M, Matano T. Impact of vaccination on cytotoxic T lymphocyte immunodominance and cooperation against

- simian immunodeficiency virus replication in rhesus macaques. *J Virol.* Nov 9. [Epub ahead of print] 2011.
- 18) Nomura T, Yamamoto H, Shiino T, Takahashi N, Nakane T, Iwamoto N, Ishii H, Tsukamoto T, Kawada M, Matsuo S, Takeda A, Terahara K, Tsunetsugu-Yokota Y, Iwata-Yoshikawa N, Hasegawa H, Sata T, Naruse TK, Kimura A, Matano T. Association of major histocompatibility complex class I haplotypes with disease progression after simian immunodeficiency virus challenge in Burmese rhesus macaques. *J Virol.* Apr 4. [Epub ahead of print] 2012.
- 19) Iyoda, S., Honda, N., Saitoh, T., Shimuta, K., Terajima, J., Watanabe, H., Ohnishi, M. Coordinate control of the locus of enterocyte effacement and enterohemolysin genes by multiple common virulence regulators in enterohemorrhagic *Escherichia coli*. *Infect Immun.* 79(11):4628-4637. 2011.
- 20) Tabara, K., Kawabata, H., Arai, S., Itagaki, A., Yamauchi, T., Katayama, T., Fujita, H., Takada, N. High incidence of Rickettsiosis correlated to prevalence of Rickettsia japonica among Haemaphysalis longicornis tick. *J Vet Med Sci.* 73: 507-510. 2011.
- 21) Fujisawa, K., Nakajima, R., Jinnai, M., Hirata, H., Zamoto-Niikura, A., Kawabuchi-Kurata, T., Arai, S., and Ishihara, C. Intron sequences from the CCT7 gene exhibit diverse evolutionary histories among the four lineages within the Babesia microti-group, a genetically related species complex that includes human pathogens. *Jpn J Infect Dis.* 64: 403-410. 2011.
- 22) Kobayashi D, Kogawa K, Imai K, Tanaka T, Hiroi S, Satoh H, Tanaka-Taya K, Nonoyama S. : Quantitation of human herpesvirus-6 (HHV-6) DNA in a cord blood transplant recipient with chromosomal integration of HHV-6. *Transpl Infect Dis.* 13(6):650-3. 2011.
- 23) Phengxay M, Hayakawa Y, Phan TG, Uneno-Yamamoto K, Tanaka-Taya K, Vongphrachanh P, Komase K, Ushijima H. : Seroprevalence of rubella and measles antibodies in Lao PDR. *Clin Lab.* 57(3-4):237-44. 2011.
- 24) Baba K, Okuno Y, Tanaka-Taya K, Okabe N. : Immunization coverage and natural infection rates of vaccine-preventable diseases among children by questionnaire survey in 2005 in Japan. *Vaccine.* 29(16):3089-92. 2011.
- 25) Fujimoto T, Matsushima Y, Shimizu H, Ishimaru Y, Kano A, Nakajima E, Adhikary AK, Hanaoka N, Okabe N. A molecular epidemiologic study of human adenovirus type 8 isolates causing epidemic keratoconjunctivitis in kawasaki city, Japan in 2011. *Jpn J Infect Dis.* May; 65(3):260-3. 2012.
- 26) Nakamura M, Hirano E, Kowada K, Ishiguro F, Yamagishi Z, Adhikary AK, Hanaoka N, Okabe N, Taniguchi K, Fujimoto T. Surveillance of adenovirus D in patients with epidemic keratoconjunctivitis from Fukui Prefecture, Japan, 1995-2010. *J Med Virol.* Jan; 84(1):81-6. 2012.
- 27) Fujimoto T, Iizuka S, Enomoto M, Abe K, Yamashita K, Hanaoka N, Okabe N, Yoshida H, Yasui Y, Kobayashi M, Fujii Y, Tanaka H, Yamamoto M, Shimizu H. Hand, foot, and mouth disease caused by coxsackievirus A6, Japan, 2011. *Emerg Infect Dis.* Feb; 18(2):337-9. 2012.
- 28) Adhikary AK, Banik U, Okabe N, Fujimoto T. Molecular characterization of human adenovirus type 8 (HAdV-8), including a novel genome type detected in Japan. *Jpn J Infect Dis.*; 64(6):493-8. 2011.
- 29) Adhikary AK, Fujimoto T, Okabe N. Human adenovirus species C (HAdV-C) fiber protein. *Virology.* Mar 1; 424(1):1. 2012.
- 30) Akiyoshi K, Suga T, Fukui K, Taniguchi K, Okabe N, Fujimoto T. Outbreak of epidemic keratoconjunctivitis caused by adenovirus type 54 in a nursery school in Kobe City, Japan in 2008. *Jpn J Infect Dis.*; 64(4):353-5. 2011.
- 31) Konno M, Yoshioka M, Sugie M, Maguchi T, Nakamura T, Kizawa M, Umegaki Y, Yasutake H, Ishikawa Y, Hanaoka N, Okabe N, Taniguchi K, Shimizu H, Fujimoto T. Fourteen years' surveillance of coxsackievirus group A in Kyoto 1996–2009 using mouse, RD-18S, and Vero cells. *Jpn J Infect Dis.* 64(2):167-8. 2011.
- 32) Takano A, Nakao M, Masuzawa T, Takada N, Yano Y, Ishiguro F, Fujita H, Ito T, Ma X, Oikawa Y, Kawamori F, Kumagai K, Mikami T, Hanaoka N, Ando S, Honda N, Taylor K, Tsubota T, Konnai S, Watanabe H, Ohnishi M, Kawabata H. Multilocus sequence typing implicates rodents as the main reservoir host of human-pathogenic *Borrelia garinii* in Japan. *J Clin Microbiol.* May;49(5):2035-9. 2011.
- 33) Fujimoto T, Hanaoka N, Adhikary AK, Okabe N. Adenovirus surveillance in Japan, 2000-2007. Proceedings of the second international workshop on

- human adenovirus.; 17-20. 2011.
- 34) Ikeda, T., Mizuta, K., Abiko, C., Aoki, Y., Itagaki, T., Katsushima, F., Katsushima, Y., Matsuzaki, Y., Fuji, N., Immura, T., Oshitani, H., Noda, M., Kimura, H., Ahiko, T. Acute respiratory infections due to enterovirus 68, in Yamagata, Japan between 2005 and 2010. *Microbiol Immunol.* 56(2): 139-143. 2012.
- 35) Arakawa, M., Okamoto-Nakagawa, R., Toda, S., Tsukagoshi, H., Kobayashi, M., Ryo, A., Mizuta, K., Hasegawa, S., Hirano, R., Wakiguchi, H., Kudo, K., Tanaka, R., Morita, Y., Noda, M., Kozawa, K., Ichiyama, T., Shirabe, K., Kimura, H. Molecular epidemiological study of human rhinovirus species ABCs from patients with acute respiratory illnesses in Japan. *J Med Microbiol.* 61(Pt 3): 410-419. 2012.
- 36) Nishina, A., Kimura, H., Kozawa, K., Sommen, G., Nakamura, T., Heimgartner, H., Koketsu, M., Furukawa, S. A superoxide anion-scavenger, 1,3-selenazolidin-4-one suppresses serum deprivation-induced apoptosis in PC12 cells by activating MAP kinase. *Toxicol Appl Pharmacol.* 257(3): 388-395. 2011.
- 37) Mizuta, K., Saitoh, M., Kobayashi, M., Tsukagoshi, H., Aoki, Y., Ikeda, T., Abiko, C., Katsushima, N., Itagaki, T., Noda, M., Kozawa, K., Ahiko, T., Kimura, H. Detailed genetic analysis of hemagglutinin-neuraminidase glycoprotein gene in human parainfluenza virus type 1 isolates from patients with acute respiratory infection between 2002 and 2009 in Yamagata prefecture, Japan. *Virol J.* 8(1): 533. 2011.
- 38) Sakano, C., Morita, Y., Goto, K., Yokota, Y., Annaka, H., Fujita, M., Kobatake, S., Ishioka, T., Hoshino, T., Boonmar, S., Pulsrikarn, C., Nishina, A., Kozawa, K., Yamamoto, S., Kimura, H. Prevalence and genotype of *Salmonella Choleraesuis* in Gunma Prefecture, Japan. *Thai J Vet Med.* 41(3): 321-326. 2011.
- 39) Nishina, A., Kimura, H., Kozawa, K., Sommen, G., Favero, F., Heimgartner, H., Koketsu, M., Furukawa, S. 3-(2,6-Dimethylphenyl)-2-selenoxo-1,3-thiazolidin-4-one suppresses hydrogen peroxide-induced cytotoxicity on PC12 cells via activation of MAPK. *Int J Toxicol.* 30(6): 690-699. 2011.
- 40) Itagaki, T., Abiko, C., Aoki, Y., Ikeda, T., Mizuta, K., Noda, M., Kimura, H., Matsuzaki, Y. Saffold cardiovirus infection in children associated with respiratory disease and the similarity to coxsackievirus infection. *Pediatr Infect Dis J.* 30(8): 680-683. 2011.
- 41) Tsukagoshi, H., Mizuta, K., Abiko, C., Itagaki, T., Yoshizumi, M., Kobayashi, M., Kuroda, M., Kozawa, K., Noda, M., Ryo, A., Kimura, H. The impact of scaffold cardiovirus (SAFV) in patients with acute respiratory infection in Yamagata, Japan. *Scand J Infect Dis.* 43(8): 669-671. 2011.
- 42) Tazaki, E., Shimizu, N., Tanaka, R., Yoshizumi, M., Kamma, H., Imoto, S., Goya, T., Kozawa, K., Nishina, A., Kimura, H. Serum cytokine profiles in patients with prostate carcinoma. *Exp Ther Med.* 2(5): 887-891. 2011.
- 43) Fujitsuka, A., Tsukagoshi, H., Arakawa, M., Goto-Sugai, K., Ryo, A., Okayama, Y., Mizuta, K., Nishina, A., Yoshizumi, M., Kaburagi, Y., Noda, M., Tashiro, M., Okabe, N., Mori, M., Yokota, S., Kimura, H. A molecular epidemiological study of respiratory viruses detected in Japanese children with acute wheezing illness. *BMC Infect Dis.* 11: 168. 2011.
- 44) Nishi, M., Akutsu, M., Masui, S., Kondo, A., Nagashima, Y., Kimura, H., Perrem, K., Shigeri, Y., Toyoda, M., Okayama, A., Hirano, H., Umezawa, A., Yamamoto, N., Sam, W., Lee, S.W., Ryo, A. A distinct role for Pin1 in the induction and maintenance of pluripotency. *J Biol Chem.* 286(13): 11593-11603. 2011.
- 45) Arima Y, Matsui T, J Partridge and T Kasai: The Great East Japan Earthquake: a need to plan for post-disaster surveillance in developed countries, Western Pacific Surveillance and Response, WPSR 2(4):3-6, 2011.
- 46) Arima Y , Matsui T: Epidemiologic update on the dengue situation in the Western Pacific region, 2010, WPSR 2(2):4-8, 2011.
- 47) Nakamura N, Arima Y Shimada T, Matsui T, Tada Y, Okabe N: Incidence of dengue virus infection among Japanese travellers, 2006 to 2010, WPSR 3(2):39-45, 2012.