

10. REFERENCES

1. Lumsden WHR. An epidemic of virus disease in Southern Province, Tanganyika Territory, in 1952-53: II. General description and epidemiology. *Trans R Soc Trop Med Hyg.* 1955;49(1):33-57.
2. Shah KV, Gibbs CJ, Jr., Banerjee G. Virological investigation of the epidemic of haemorrhagic fever in Calcutta: isolation of three strains of Chikungunya virus. *Indian J Med Res.* Jul 1964;52:676-683.
3. Padbidri VS, Gnaneswar TT. Epidemiological investigations of chikungunya epidemic at Barsi, Maharashtra state, India. *J Hyg Epidemiol Microbiol Immunol.* 1979;23(4):445-451.
4. Angelini P, Macini P, Finarelli AC, et al. Chikungunya epidemic outbreak in Emilia-Romagna (Italy) during summer 2007. *Parassitologia.* Jun 2008;50(1-2):97-98.
5. CDC. Chikungunya fever diagnosed among international travelers--United States, 2005-2006. *MMWR Morb Mortal Wkly Rep.* Sep 29 2006;55(38):1040-1042.
6. Queyriaux B, Simon F, Grandadam M, Michel R, Tolou H, Boutin JP. Clinical burden of chikungunya virus infection. *Lancet Infect Dis.* Jan 2008;8(1):2-3.
7. Moro ML, Gagliotti C, Silvi G, et al. Chikungunya virus in North-Eastern Italy: a seroprevalence survey. *Am J Trop Med Hyg.* Mar;82(3):508-511.
8. Borgherini G, Poubeau P, Staikowsky F, et al. Outbreak of chikungunya on Réunion Island: early clinical and laboratory features in 157 adult patients. *Clin Infect Dis.* Jun 1 2007;44(11):1401-1407.

9. Staikowsky F, Le Roux K, Schuffenecker I, et al. Retrospective survey of Chikungunya disease in Réunion Island hospital staff. *Epidemiol Infect.* Feb 2008;136(2):196-206.
10. Taubitz W, Cramer JP, Kapaun A, et al. Chikungunya fever in travelers: clinical presentation and course. *Clin Infect Dis.* Jul 1 2007;45(1):e1-4.
11. Jupp PG, McIntosh BM. Chikungunya virus disease. In: Monath TP, ed. *The Arboviruses: Epidemiology and Ecology*. Vol II. Boca Raton, FL: CDC Press, Inc.; 1988.
12. Staikowsky F, Talarmin F, Grivard P, et al. Prospective study of Chikungunya virus acute infection in the Island of La Réunion during the 2005-2006 outbreak. *PLoS One.* 2009;4(10):e7603.
13. Simon F, Savini H, Parola P. Chikungunya: a paradigm of emergence and globalization of vector-borne diseases. *Med Clin North Am.* 2008;92(6):1323-1343.
14. Pialoux G, Gauzere BA, Jaureguiberry S, Strobel M. Chikungunya, an epidemic arbovirosis. *Lancet Infect Dis.* 2007;7(5):319-327.
15. Sam IC, AbuBakar S. Chikungunya virus infection. *Med J Malaysia.* 2006;61(2):264-269.
16. Lakshmi V, Neeraja M, Subbalaxmi MV, et al. Clinical features and molecular diagnosis of Chikungunya fever from South India. *Clin Infect Dis.* 2008; 46(9):1436-1442.
17. Rezza G, Nicoletti L, Angelini R, et al. Infection with chikungunya virus in Italy: an outbreak in a temperate region. *Lancet.* 2007;370(9602):1840-1846.
18. Mavalankar D, Shastri P, Bandyopadhyay T, Parmar J, Ramani KV. Increased mortality rate associated with chikungunya epidemic, Ahmedabad, India. *Emerg Infect Dis.* 2008;14(3):412-415.

19. Beesoon S, Funkhouser E, Kotea N, Spielman A, Robich RM. Chikungunya fever, Mauritius, 2006. *Emerg Infect Dis.* 2008;14(2):337-338.
20. Rajapakse S, Rodrigo C, Rajapakse A. Atypical manifestations of chikungunya infection. *Trans R Soc Trop Med Hyg.* 2010; 104(2):89-96.
21. Lewthwaite P, Vasanthapuram R, Osborne JC, et al. Chikungunya virus and central nervous system infections in children, India. *Emerg Infect Dis.* 2009;15(2):329-331.
22. Robin S, Ramful D, Zettor J, et al. Severe bullous skin lesions associated with chikungunya virus infection in small infants. *Eur J Pediatr.* 2010;169(1):67-72.
23. Economopoulou A, Dominguez M, Helynck B, et al. Atypical chikungunya virus infections: clinical manifestations, mortality and risk factors for severe disease during the 2005-2006 outbreak on Réunion. *Epidemiol Infect.* 2009;137(4):534-541.
24. Lemant J, Boisson V, Winer A, et al. Serious acute chikungunya virus infection requiring intensive care during the Réunion Island outbreak in 2005-2006. *Crit Care Med.* 2008;36(9):2536-2541.
25. Gerardin P, Barau G, Michault A, et al. Multidisciplinary prospective study of mother-to-child chikungunya virus infections on the island of La Réunion. *PLoS Med.* 2008;5(3):e60.
26. Touret Y, Randrianaivo H, Michault A, et al. [Early maternal-fetal transmission of the chikungunya virus]. *Presse Med.* 2006;35(11 Pt 1):1656-1658.
27. Renault P, Solet JL, Sissoko D, et al. A major epidemic of chikungunya virus infection on Réunion Island, France, 2005-2006. *Am J Trop Med Hyg.* 2007;77(4):727-731.
28. Fritel X, Rollot O, Gerardin P, et al. Chikungunya virus infection during pregnancy, Réunion, France, 2006. *Emerg Infect Dis.* 2010;16(3):418-425.

29. Robillard PY, Boumahni B, Gerardin P, et al. [Vertical maternal fetal transmission of the chikungunya virus. Ten cases among 84 pregnant women]. *Presse Med.* 2006;35(5 Pt 1):785-788.
30. Ramful D, Carbonnier M, Pasquet M, et al. Mother-to-child transmission of chikungunya virus infection. *Pediatr Infect Dis J.* 2007;26(9):811-815.
31. Das T, Jaffar-Bandjee MC, Hoarau JJ, et al. Chikungunya fever: CNS infection and pathologies of a re-emerging arbovirus. *Prog Neurobiol.* 2010;91(2):121-129.
32. Nimmannitya S, Halstead SB, Cohen SN, Margiotta MR. Dengue and chikungunya virus infection in man in Thailand, 1962-1964. I. Observations on hospitalized patients with hemorrhagic fever. *Am J Trop Med Hyg.* Nov 1969;18(6):954-971.
33. Hochedez P, Canestri A, Guihot A, Bricler S, Bricaire F, Caumes E. Management of travelers with fever and exanthema, notably dengue and chikungunya infections. *Am J Trop Med Hyg.* 2008;78(5):710-713.
34. Staples JE, Breiman RF, Powers AM. Chikungunya fever: an epidemiological review of a re-emerging infectious disease. *Clin Infect Dis.* 2009;49(6):942-948.
35. Brighton SW, Prozesky OW, de la Harpe AL. Chikungunya virus infection. A retrospective study of 107 cases. *S Afr Med J.* 1983;63(9):313-315.
36. Fourie ED, Morrison JG. Rheumatoid arthritic syndrome after chikungunya fever. *S Afr Med J.* 1979;56(4):130-132.
37. Manimunda SP, Vijayachari P, Uppoor R, et al. Clinical progression of chikungunya fever during acute and chronic arthritic stages and the changes in joint morphology as revealed by imaging. *Trans R Soc Trop Med Hyg.* 2010;104(6):392-399.

38. Sissoko D, Malvy D, Ezzedine K, et al. Post-epidemic Chikungunya disease on Réunion Island: course of rheumatic manifestations and associated factors over a 15-month period. *PLoS Negl Trop Dis*. 2009;3(3):e389.
39. Soumahoro MK, Gerardin P, Boelle PY, et al. Impact of Chikungunya virus infection on health status and quality of life: a retrospective cohort study. *PLoS One*. 2009;4(11):e7800.
40. Bouquillard E, Combe B. Rheumatoid arthritis after Chikungunya fever: a prospective follow-up study of 21 cases. *Ann Rheum Dis*. 2009;68(9):1505-1506.
41. Hoarau JJ, Jaffar Bandjee MC, Trotot PK, et al. Persistent chronic inflammation and infection by Chikungunya arthritogenic alphavirus in spite of a robust host immune response. *J Immunol*. 2010;184(10):5914-5927.
42. Jayakeerthi RS, Potula RV, Srinivasan S, Badrinath S. Shell Vial Culture assay for the rapid diagnosis of Japanese encephalitis, West Nile and Dengue-2 viral encephalitis. *Virology*. 2006;3:2.
43. Lanciotti RS, Kosoy OL, Laven JJ, et al. Chikungunya virus in US travelers returning from India, 2006. *Emerg Infect Dis*. 2007;13(5):764-767.
44. Martin DA, Muth DA, Brown T, Johnson AJ, Karabatsos N, Roehrig JT. Standardization of immunoglobulin M capture enzyme-linked immunosorbent assays for routine diagnosis of arboviral infections. *J Clin Microbiol*. 2000;38(5):1823-1826.
45. Brighton SW. Chloroquine phosphate treatment of chronic chikungunya arthritis. An open pilot study. *S Afr Med J*. 1984;66(6):217-218.
46. De Lamballerie X, Boisson V, Reynier JC, et al. On chikungunya acute infection and chloroquine treatment. *Vector Borne Zoonotic Dis*. 2008;8(6):837-839.

47. Cordel H, Quatresous I, Paquet C, Couturier E. Imported cases of chikungunya in metropolitan France, April 2005 - February 2006. *Euro Surveill.* 2006;11(4):E060420 060423.
48. U.S. DHHS. *Biosafety in microbiological and biomedical laboratories*. 4th ed. Washington, DC: US Government Printing Office; 1999.
49. PAHO. PAHO Strategic and operational plan for responding to pandemic influenza. 2005.
http://www.paho.org/English/AD/PAHO_Plan_PandemicInfluenza_Eng.pdf. Accessed 11 August 2010.
50. U.S. DHHS. HHS Pandemic Influenza Plan; 2005.
www.hhs.gov/pandemicflu/plan/pdf/HHSPandemicInfluenzaPlan.pdf. Accessed 2 June 2010.
51. WHO. Guidelines on Clinical Management of Chikungunya Fever; 2008.
[http://www.searo.who.int/LinkFiles/Publication_guidelines_on_cli_mgmt_chikungunya_fvr-\(cd-180\).pdf](http://www.searo.who.int/LinkFiles/Publication_guidelines_on_cli_mgmt_chikungunya_fvr-(cd-180).pdf). Accessed 2 June 2010.
52. Petersen LR, Stramer SL, Powers AM. Chikungunya virus: possible impact on transfusion medicine. *Transfus Med Rev.* 2010;24(1):15-21.
53. Liunbruno GM, Calteri D, Petropulacos K, et al. The Chikungunya epidemic in Italy and its repercussion on the blood system. *Blood Transfus.* 2008;6(4):199-210.
54. Sissoko D, Ezzedine K, Moendandze A, Giry C, Renault P, Malvy D. Field evaluation of clinical features during chikungunya outbreak in Mayotte, 2005-2006. *Trop Med Int Health.* 2010;15(5):600-607.
55. WHO. International Health Regulations (2005); 2008.
http://whqlibdoc.who.int/publications/2008/9789241580410_eng.pdf. Accessed 2 June 2010.

56. WHO. Prevention and Control of Chikungunya in South-East Asia. *Report of the Expert Group Meeting*. Aurangabad, India: Regional Office World Health Organization; 2008. http://www.searo.who.int/LinkFiles/Publication_CD-176.pdf. Accessed 2 June 2010.
57. Dubrulle M, Mousson L, Moutailler S, Vazeille M, Failloux AB. Chikungunya virus and *Aedes* mosquitoes: saliva is infectious as soon as two days after oral infection. *PLoS One*. 2009;4(6):e5895.
58. Schuffenecker I, Itean I, Michault A, et al. Genome microevolution of chikungunya viruses causing the Indian Ocean outbreak. *PLoS Med*. 2006;3(7):e263.
59. de Lamballerie X, Leroy E, Charrel RN, Tsetsarkin K, Higgs S, Gould EA. Chikungunya virus adapts to tiger mosquito via evolutionary convergence: a sign of things to come? *Virology*. 2008;5:33.
60. Arias JR. Dengue: How are we doing? *Celebrating 100 Years of PAHO*. Washington, D.C.: PAHO; 2002.
61. Benedict MQ, Levine RS, Hawley WA, Lounibos LP. Spread of the tiger: global risk of invasion by the mosquito *Aedes albopictus*. *Vector Borne Zoonotic Dis*. Spring 2007;7(1):76-85.
62. Niebylski ML, Savage HM, Nasci RS, Craig GB, Jr. Blood hosts of *Aedes albopictus* in the United States. *J Am Mosq Control Assoc*. 1994;10(3):447-450.
63. Hawley WA. The biology of *Aedes albopictus*. *J Am Mosq Control Assoc Suppl*. 1988;1:1-39.
64. Savage HM, Smith GC. Identification of damaged adult female specimens of *Aedes albopictus* and *Aedes aegypti* in the New World. *J Am Mosq Control Assoc*. 1994;10(3):440-442.

65. Darsie RFJ, Ward RA. *Identification and geographical distribution of the mosquitoes of North America, New Mexico*. Gainesville, FL: University Press of Florida; 2005.
66. WHO. Dengue Guidelines for Diagnosis, Treatment, Prevention and Control; 2009. http://whqlibdoc.who.int/publications/2009/9789241547871_eng.pdf. Accessed 2 June 2010.
67. Parks W, Lloyd L. Planning social mobilization and communications for dengue fever prevention and control: a step-by-step guide; 2004. http://apps.who.int/tdr/publications/training-guideline-publications/planning-social-mobilization-dengue-fever/pdf/planning_dengue.pdf. Accessed 2 June 2010.
68. WHO. Global strategic framework for integrated vector management. 2004. http://whqlibdoc.who.int/hq/2004/WHO_CDS_CPE_PVC_2004_10.pdf. Accessed 11 August 2010.
69. Barrera R, Delgado N, Jimenez M, Villalobos I, Romero I. [Stratification of a hyperendemic city in hemorrhagic dengue]. *Rev Panam Salud Publica*. 2000;8(4):225-233.
70. Williams CR, Long SA, Webb CE, et al. *Aedes aegypti* population sampling using BG-Sentinel traps in north Queensland Australia: statistical considerations for trap deployment and sampling strategy. *J Med Entomol*. 2007;44(2):345-350.
71. Barrera R. Simplified pupal surveys of *Aedes aegypti* (L.) for entomologic surveillance and dengue control. *Am J Trop Med Hyg*. 2009;81(1):100-107.
72. Lenhart A, Orelus N, Maskill R, Alexander N, Streit T, McCall PJ. Insecticide-treated bednets to control dengue vectors: preliminary evidence from a controlled trial in Haiti. *Trop Med Int Health*. 2008;13(1):56-67.

73. Kroeger A, Lenhart A, Ochoa M, et al. Effective control of dengue vectors with curtains and water container covers treated with insecticide in Mexico and Venezuela: cluster randomised trials. *BMJ*. 2006;332(7552):1247-1252.
74. Morrison AC, Zielinski-Gutierrez E, Scott TW, Rosenberg R. Defining challenges and proposing solutions for control of the virus vector *Aedes aegypti*. *PLoS Med*. 2008;5(3):e68.
75. Erlanger TE, Keiser J, Utzinger J. Effect of dengue vector control interventions on entomological parameters in developing countries: a systematic review and meta-analysis. *Med Vet Entomol*. 2008;22(3):203-221.
76. Esu E, Lenhart A, Smith L, Horstick O. Effectiveness of peridomestic space spraying with insecticide on dengue transmission; systematic review. *Trop Med Int Health*. 2010;15(5):619-631.
77. WHO. Pesticides and their application: For the control of vectors and pests of public health importance; 2006.
http://whqlibdoc.who.int/hq/2006/WHO_CDS_NTD_WHOPES_GCDPP_2006.1_eng.pdf. Accessed 2 June 2010.
78. Nauen R. Insecticide resistance in disease vectors of public health importance. *Pest Manag Sci*. 2007;63(7):628-633.
79. Montella IR, Martins AJ, Viana-Medeiros PF, Lima JB, Braga IA, Valle D. Insecticide resistance mechanisms of Brazilian *Aedes aegypti* populations from 2001 to 2004. *Am J Trop Med Hyg*. 2007;77(3):467-477.
80. Rodriguez MM, Bisset JA, Fernandez D. Levels of insecticide resistance and resistance mechanisms in *Aedes aegypti* from some Latin American countries. *J Am Mosq Control Assoc*. 2007;23(4):420-429.
81. Hemingway J. *Techniques to detect insecticide resistance mechanisms (Field and Laboratory Manual)*. Geneva, Switzerland: WHO; 1998.

82. Brogdon WG. Biochemical resistance detection: an alternative to bioassay. *Parasitol Today*. 1989;5(2):56-60.
83. Brogdon WG, McAllister JC. Insecticide resistance and vector control. *Emerg Infect Dis*. 1998;4(4):605-613.
84. Hills SL, Piispanen JP, Humphreys JL, Foley PN. A focal, rapidly-controlled outbreak of dengue fever in two suburbs in Townsville, north Queensland, 2001. *Commun Dis Intell*. 2002;26(4):596-600.
85. Morrison AC, Getis A, Santiago M, Rigau-Perez JG, Reiter P. Exploratory space-time analysis of reported dengue cases during an outbreak in Florida, Puerto Rico, 1991-1992. *Am J Trop Med Hyg*. 1998;58(3):287-298.
86. WHO. *Safe use of pesticides. Fourteenth report of WHO Expert Committee on Vector Biology and Control*. Geneva, Switzerland 1991. 813.
87. Barrera R, Amador M, Diaz A, Smith J, Munoz-Jordan JL, Rosario Y. Unusual productivity of *Aedes aegypti* in septic tanks and its implications for dengue control. *Med Vet Entomol*. 2008;22(1):62-69.
88. WHO. Guidelines for drinking-water quality, 3rd ed.; 2006.
http://www.who.int/water_sanitation_health/dwq/gdwq3rev/en/index.html.
Accessed 2 June 2010.