Cause/Spread

Zika virus is caused from a mosquito from the Aedes species

 It can be spread through a bite from this mosquito, blood transfusion (rare), via pregnancy and sexual contact (CDC, 2019)

Zika Virus: An **Emerging** Virus



 (photo courtesy CDC, 2019)

Statistics and History

-first identified in 1947

-1952 first human case of Zika virus

-associated with incidences of Guillian- Barre and microcephaly

-Most cases found in Africa

(WHO, 2020)

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Zika Virus is identified through serum identification of the viral nucleic acid (definitive diagnosis) and detection of IgM antibodies

(Petersen, Jamieson, Powers, & Honein, 2016)

 

Treatment

Symptomatic only/no vaccine

Prevention

Using mosquito repellent permethrin

Provide for unprotected sex

Eliminate breeding sites through insecticides

(Petersen, Jamieson, Powers, & Honein, 2016)

 Zika Virus

 (photo courtesy of NIH, n.d.)

 References:

Center for Disease Control and Prevention, 2019. Zika Virus. Retrieved from:<https://www.cdc.gov/zika/about/overview.html>

Petersen, L.R., Jamieson, D.J., Powers, A.M. & Honein, M.A. (2016). Zika virus. *New England Journal of* *Medicine, 374*, 1552-1563, DOI: 10.1056/NEJMra1602113

World Health Organization( (2020). The history of Zika virus. Retrieved from: https://www.who.int/emergencies/zika-virus/timeline/en/