Name of Student

Name of Professor

Name of Class

Day Month Year

Introduction

**1: A brief summary of the article?**

This article discuss the disease of dengue that is a mosquito borne viral infection is rapidly spreading different countries of the world. This infection causes flue like illness that has potential of causing death in the infected patient. Dengue is found in the tropical climates worldwide, usually in the urban and semi urban populations. It has caused hundreds of deaths in the Latin America and Asia. Many outbreak incidents are discussed in the article. This disease is transmitted by the mosquito bite and after the incubation period of 4-10 days in the mosquito body it develops capability of effecting the humans through bite. Dengue is characterized by the high fever, flue, eye pain, muscle aches and nausea. There is no specific treatment for dengue, only medical care by the professional doctors can help control the disease progression(*Dengue and Severe Dengue*).

**2: What is the Agent?**

Agent for dengue is mosquitoes of the Aedes aegyptil and aedes albopticus. These transmit disease through biting a human host.

**3: What are the symptoms?**

Its symptoms infest themselves in different stages. Initially patient get fever along with strong headache, dizziness, and pain in the muscles which reaches the back side of eye balls. Slowly pains grow into sever joint pain.

**4: How is the disease spread / Modes of transmission?**

It spreads through bite of the agent mosquito. When mosquito bites the host, the virus enters in the body and in few hours it gets activated.

 **5: What may or not have been done to stop/slow the outbreak?**

The only way to control the outbreak is to avoid the mosquito bite by wearing tight clothing, using mosquito lotions and nets, and avoiding mosquito breeding places.

**6: How does this relate to epidemiology and public health?**

The number of dengue incidents are increasing worldwide and is one of the major causes of deaths. The dengue cases have increased in 2019 in comparison to 2018 in the Western Pacific region. These outbreaks are also reported in the African countries and America. Thus it can be related to epidemiology as it is the field of health care and medicine that deals and studies with the distribution and incidences of the disease. Also it suggests the various controlling factors that can influence the outbreaks and avoid them.

Works Cited

*Dengue and Severe Dengue*. https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue. Accessed 19 Apr. 2019.