



โรงพยาบาลสมเด็จพระบรมราชเทวี ณ ศรีราชา  
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B A N G K O K

# Case Report: A Cluster of Zika Virus Disease in General Hospital, Chonburi, Thailand

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## Introduction



### The Zika virus

A Flavivirus spread by Aedes mosquitoes typically has mild symptoms, including low-grade fever, conjunctivitis, arthralgia, myalgia, and a maculopapular rash.



### Guillain-Barré syndrome

It occurs in approximately 1.23% of individuals. Vertical transmission can cause Congenital Zika syndrome. This syndrome is marked by severe birth defects, including microcephaly.

## Case Presentation



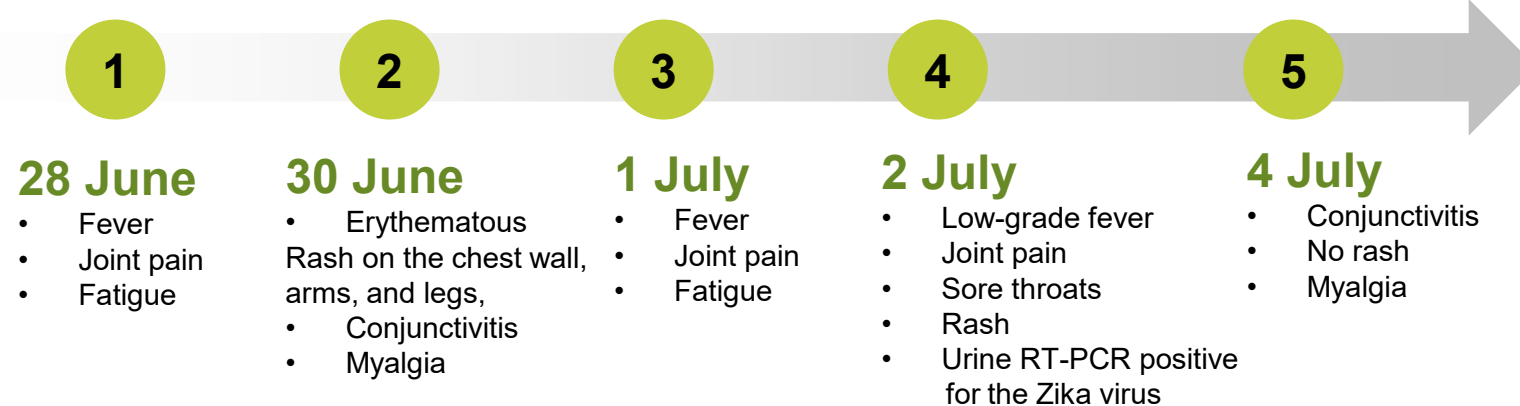
We report a cluster of Zika virus infection in one 35-year-old female presenting with fever, arthralgia, non-purulent conjunctivitis, and maculopapular rash, and her 65-year-old mother also presented with the same complaints.

### The patient has no history of traveling.

She reported multiple mosquito bites; her residence is near the forest. The infection with Zika virus was confirmed by RT-PCR in urine. The results were reported in July 2024. After receiving the results, the office of disease prevention and control region 6 conducted a field investigation at the patient's residence and workplace.



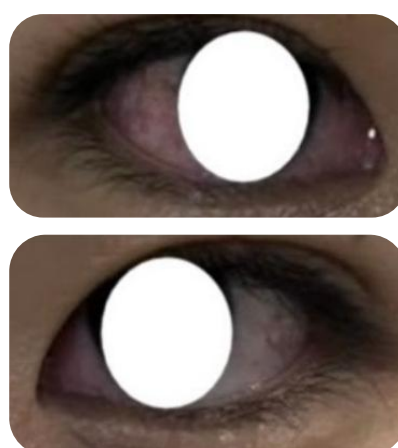
**Residents in the surveillance zone were provided with health education,** including information about diseases and symptoms that require medical attention, as well as strategies for eliminating mosquito breeding sites. The survey found no pregnant women or additional symptomatic cases within the area. The infectious control unit was under surveillance, and prevention and control measures for the notifiable disease were maintained for 28 days without the emergence of new cases.



**Figure 1**  
**Timeline**  
**of Symptoms**  
In a Patient Diagnosed with  
Zika Virus Infection



**Figure 2**  
demonstrates the  
characteristic  
maculopapular  
rash on bilateral  
upper extremities.



**Figure 3**  
demonstrates the  
characteristics  
of non-purulent  
conjunctivitis in  
both eyes.

