# Letter to Editor

# **Prevention for Zika Virus Infection**

Dear Editor,

The publication on prevention of Zika virus (ZIKV) disease is very interesting.[1] Passi et al. noted that "Basic preventive measures for infection primarily revolve around traditional methods of checking mosquito populations, reducing breeding sites, and avoiding mosquito bites.[1]" The above-mentioned preventive measure is important. Nevertheless, the extension of the prevention to cover other possible modes of ZIKV transmission is needed. At least, safe sex and use of contraception are generally recommended during the highly epidemic situation.[2] Family planning is recommended for any women in the endemic area during the outbreak period. [2] There are possible rare modes of transmission which has informed the need to screen donated blood<sup>[3]</sup> and organs<sup>[4]</sup> for Zika contamination. In addition, since the ZIKV infection is usually asymptomatic<sup>[5]</sup> and can have atypical manifestation, [6] continuously updating information on disease surveillance and control will be needed. At present, there is increasing data suggesting that ZIKV might be transmitted as a zoonosis. Several reports indicating the finding of the virus in pet animal including dogs<sup>[7]</sup> and this might be a new problem to be closely monitored.

## Financial support and sponsorship

Nil.

#### **Conflicts of interest**

There are no conflicts of interest.

## Pathum Sookaromdee, Viroj Wiwanitkit<sup>1</sup>

TWS Medical Center, Bangkok, Thailand, <sup>1</sup>Department of Tropcial Medicine, Hainan Medical University, Haikou, China

Address for correspondence:
Dr. Pathum Sookaromdee,
TWS Medical Center, Bangkok, Thailand.
E-mail: pathumsook@gmail.com

Received: 16 Aug 17 Accepted: 14 Oct 17

Published: 17 May 19

## References

- Passi D, Sharma S, Dutta SR, Ahmed M. Zika virus diseases - The new face of an ancient enemy as global public health emergency (2016): Brief review and recent updates. Int J Prev Med 2017;8:6.
- Ali M, Miller K, Gómez Ponce de Leon RF. Family planning and Zika virus: Need for renewed and cohesive efforts to ensure availability of intrauterine contraception in Latin America and the Caribbean. Eur J Contracept Reprod Health Care 2017;22:102-6.
- Levi ME. Zika virus: A cause of concern in transplantation? Curr Opin Infect Dis 2017;30:340-5.
- Jimenez A, Shaz BH, Kessler D, Bloch EM. How do we manage blood donors and recipients after a positive Zika screening result? Transfusion 2017;57:2077-83.
- Wiwanitkit S, Wiwanitkit V. Afebrile, asymptomatic and non-thrombocytopenic Zika virus infection: Don't miss it! Asian Pac J Trop Med 2016;9:513.
- Joob B, Yasser F. Phenotypic spectrum of congenital Zika syndrome: A comment on the usefulness of case report. Case Study Case Rep 2017;7:29-30.
- 7. Joob B, Wiwanitkit V. Immunological reactive rate to Zika virus in canine sera: A report from a tropical area and concern on pet, zoonosis and reservoir host. Asian Pac J Trop Med 2017;10:208-9.

This is an open access journal, and articles are distributed under the terms of the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License, which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.



How to cite this article: Sookaromdee P, Wiwanitkit V. Prevention for Zika virus infection. Int J Prev Med 2019;10:63.

 $@2019\ International\ Journal\ of\ Preventive\ Medicine\ |\ Published\ by\ Wolters\ Kluwer\ -\ Medknow$