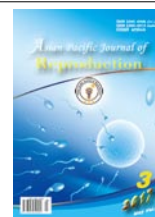


Asian Pacific Journal of Reproduction

Journal homepage: www.apjr.net

doi: 10.12980/apjr.6.20170310

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Zika virus infection, vagina, clinical problem and presentation

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Dear Editor,

Vagina is the important part of female genital tract. The infection at vagina is possible and it is usually related to sexually transmitted disease. In the present day, the disease that becomes the worldwide public health concern is the Zika virus infection. It is confirmed that the Zika virus infection can transmit via sexual contact. Of interest, the vaginal problem in Zika virus infection is little mentioned. According to the literature review, there is no case report on Zika virus patient presenting with vaginal presentation. Nevertheless, it is confirmed that the Zika virus can exist in vaginal secretion for a long time[1]. The vaginal secretion is considered as a potential source of Zika virus transmission. In the animal model study, it is also confirmed that vaginal exposure to Zika Virus during pregnancy could result in fetal brain infection[2]. In addition, the Zika virus can also co-exist with HIV in the vaginal of infected woman[3]. Focusing on transmission via vaginal contact, there is a reported case of possible of possible female to male transmission from New York City Department of Health and Mental Hygiene[4]. In that case, the vaginal intercourse without condom use is believed to be a mean of virus transmission. Recently, Moreira et al. estimated that Zika virus transmission due to sexual contact was 3.7% of overall Zika virus transmission due to sexual contact[5]. Of interest, there is still no concern on the management of vaginal secretion of women infected with Zika virus which can be biohazardous.

Conflict of interest statement

We declare that we have no conflict of interest.

Funding: None

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How to cite this article: Beuy Joob, Viroj Wiwanitkit. Zika virus infection, vagina, clinical problem and presentation. *Asian Pac J Reprod* 2017; 6(3): 144.

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