

SUPPLEMENTAL DIGITAL CONTENT 1

Herpangina Outbreak Reports

On 4 April 2018 we searched in PubMed using ((enterovir* OR coxack*) AND ((hand AND foot AND mouth) OR (herpangina))) for published studies on viral characteristics of herpangina in East or Southeast Asia, but there have only been reports for individual outbreaks over a short duration of time (typically under one year), and only reported in small areas in Thailand 2015¹⁻³, China⁴⁻⁷, Korea 2009^{8,9}, and Taiwan¹⁰. Additionally there are reports written in Japanese, published in Japanese Journal of Infectious Disease. We did not find any report investigating viral characteristics of herpangina at a larger or longer scale.

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4. Li W, Gao HH, Zhang Q, et al. Large outbreak of herpangina in children caused by enterovirus in summer of 2015 in Hangzhou, China. *Sci Rep.* 2016;6:35388.
5. Peng Q, Xie M, Zhang Y, et al. Molecular epidemiology of the enteroviruses associated with hand, foot and mouth disease/herpangina in Dongguan, China, 2015. *Arch Virol.* 2016;161:3463-3471.
6. Yao X, Bian LL, Lu WW, et al. Epidemiological and etiological characteristics of herpangina and hand foot mouth diseases in Jiangsu, China, 2013-2014. *Hum Vaccin Immunother.* 2017;13:823-830.
7. Li W, Zhang X, Chen X, et al. Epidemiology of childhood enterovirus infections in Hangzhou, China. *Virol J.* 2015;12:58.
8. Park K, Lee B, Baek K, et al. Enteroviruses isolated from herpangina and hand-foot-and-mouth disease in Korean children. *Virol J.* 2012;9:205.
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10. Lee MH, Huang LM, Wong WW, Wu TZ, Chiu TF, Chang LY. Molecular diagnosis and clinical presentations of enteroviral infections in Taipei during the 2008 epidemic. *J Microbiol Immunol Infect.* 2011;44:178-183.