Journal of Medicine in Scientific Research

Volume 4 | Issue 1 Article 16

Subject Area:

Continuous chain of exporting Wuhan novel coronavirus infection: a comparison of primary and secondary step rates

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Recommended Citation

Mungmungpuntipantip, Rujittika and Wiwanitkit, Viroj (2021) "Continuous chain of exporting Wuhan novel coronavirus infection: a comparison of primary and secondary step rates," Journal of Medicine in Scientific Research: Vol. 4: Iss. 1, Article 16.

DOI: https://doi.org/10.4103/JMISR.JMISR_19_20

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Continuous chain of exporting Wuhan novel coronavirus infection: A comparison of primary and secondary step rates

Dear Editor,

Wuhan novel coronavirus infection is an important emerging disease that has become a global consideration at present [1]. The disease had its origin in China and then traversed internationally. Importation is by air travel and there is continuous report of imported cases in many countries. An acceleration in the accumulated number of imported cases is observable [2]. At first, the disease is imported from only China. Nevertheless, after a 1-month period of outbreak, the disease is already been exported from non-Chinese countries as well The case from Thailand to Korea is a good example. Here, the authors assess the continuous chain of exporting Wuhan novel coronavirus infection from China to a country and then to another country. The authors focus on the situation of the coronavirus infection exporting from Thailand and then to South Korea. The rate of exportation in primary and secondary steps are hereby calculated. On 4th February, for the first step of the chain there were 20 440 cases of Wuhan novel coronavirus infection in China and there were 19 imported cases from China in Thailand. For the second step of the chain, there was one imported case from Thailand to South Korea. The rate of exportation in primary and secondary steps are equal to 0.093 and 5.26%, respectively. The rate of exportation in the primary step is 56.56 times more than the rate of exportation in the primary step. This can reflect on the fact that the present focus on disease screening for immigrants from China is not sufficient. The screening should be for all immigrants.

Financial support and sponsorship Nil.

Conflicts of interest

There are no conflicts of interest.

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REFERENCES

- Yasri S, Wiwanitkit V. Editorial: Wuhan coronavirus outbreak and imported case. Adv Trop Med Pub Health Int 2020; 10:1–2.
- Sookaromdee P, Wiwanitkit V. Imported cases of 2019-novel coronavirus (2019-nCoV) infections in Thailand: Mathematical modelling of the outbreak. Asian Pac J Trop Med 2020; 13:3.

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Submitted: 11-Feb-2020 Revised: 19-Feb-2020 Accepted: 11-Mar-2020 Published: 26-Feb-2021

How to cite this article: Mungmungpuntipantip R, Wiwanitkit V. Continuous chain of exporting Wuhan novel coronavirus infection: A comparison of primary and secondary step rates. J Med Sci Res 2021;4:114.