

Modelling of *P. Vivax* Malaria with Bimodal Incubation Time

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Keywords: P. vivax malaria, epidemiological model, incubation period

Malaria parasites are transmitted between mosquitoes and humans. If an infectious mosquito bites a host, symptoms occur after a certain incubation period. The incubation period can vary depending on the species of parasite or the regions. In particular, incubation period of *Plasmodium vivax* - the malaria inducing parasite species most prevalent in temperate zones in Korea - shows bimodal distribution, with short term and long term incubation periods. In this talk, I compare transmission models for *P. vivax* malaria having different expression for the incubation period.