



Case Report

A Case Report of Secondary Syphilis Co-infected with Measles: a Diagnostic Dilemma with Fever and Rash.

Hisham Ahmed Imad ^{1,2,3*}, Ploi Lakanavisid ^{2,4}, Phimphan Pisutsan ^{2,5}, Kentaro Trerattanavong ⁶, Thundon Ngam-prasertchai ^{2,5}, Wasin Matsee ^{2,5}, Watcharapong Piyaphanee ^{2,5}, Pornsawan Leaungwutiwong ^{7,8}, Wang Nguitragool ^{1,9}, Emi E. Nakayama ³ and Tatsuo Shiota ³

¹ Mahidol Vivax Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand; wang.ngu@mahidol.edu (W.N.)

² Thai Travel Clinic, Hospital for Tropical Diseases, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand; ploi.la@go.buu.ac.th (P.L.); phimphan@thaitravelclinic.com (P.P.); thundon.ngm@mahidol.ac.th (T.N.); wasin.mat@mahidol.edu (W.M.); watcharapong.piy@mahidol.ac.th (W.P.)

³ Center for Infectious Disease Education and Research, Department of Viral Infections, Research Institute for Microbial Diseases, Osaka University, Suita 565-0871, Osaka, Japan; emien@biken.osaka-u.ac.jp (E.E.N.); shiota@biken.osaka-u.ac.jp (T.S.)

⁴ Department of Preventive Medicine and Family Medicine, Faculty of Medicine, Burapha University, Chonburi 20130, Thailand

⁵ Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand

⁶ Hull York Medical School, University road, Heslington, York, YO10 5DD, UK; hykt2@hyms.ac.uk (K.T.)

⁷ Tropical Medicine Diagnostic Reference Laboratory, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand; pornsawan.lea@mahidol.ac.th (P.L.)

⁸ Department of Microbiology and Immunology, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand

⁹ Department of Molecular Tropical Medicine and Genetics, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand

* Correspondence: hishamahmed.ima@mahidol.ac; Tel.: +66-631501402

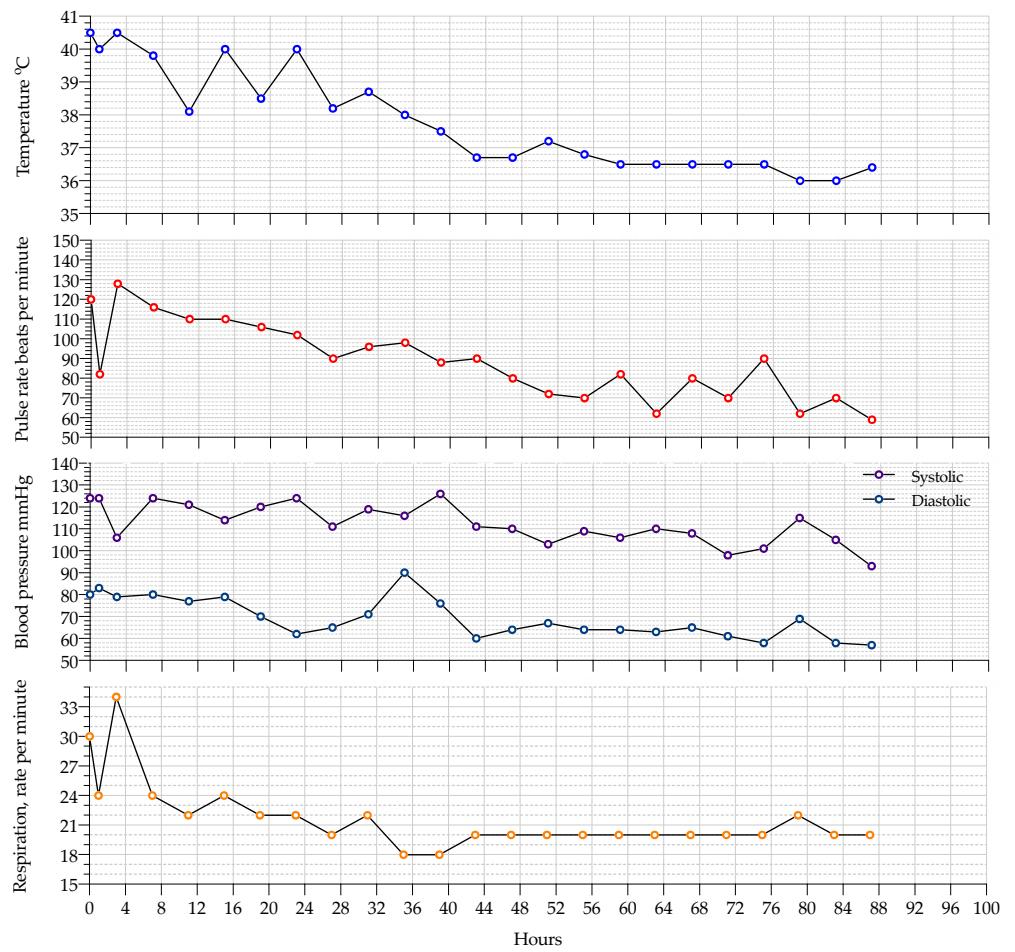


Figure S1. The kinetics of vital signs parameters demonstrating the clinical course of the illness.