

6. Title: Serologic Studies in Malaria

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OBJECTIVES

The objectives of this study are to (1) evaluate the soluble antigen fluorescent antibody (SAFA) test for malaria under conditions existing in Thailand and if feasible to (2) compare the serologic response of Americans with a first attack of malaria (Plasmodium vivax) and/or P. falciparum) to that of people living in endemic areas.

DESCRIPTION

Attempts to improve the SAFA test will be instituted as described elsewhere in this report (Studies on the SAFA Test for Filariasis).

Serial serum specimens are being collected from Americans who are admitted to the 31st and 5th field hospitals with vivax or falciparum malaria. These will be compared with sera obtained from people living in endemic areas and from Americans who have recently arrived in Southeast Asia.

Antigen is to be supplied by WRAIR.

PROGRESS

Acute specimens have been obtained from three Americans and ten Thais with malaria. Antigen has not yet been obtained.

SUMMARY

An evaluation of the soluble antigen fluorescent antibody test for malaria and a serologic comparison of Americans and Thais and planned. Serum collection has been initiated.

REFERENCE

- (1) Sadun, E.H. and Gore, R.W., (1968) Mass Diagnostic Test Using Plasmodium falciparum and Chimpanzee Erythrocyte Lysate, Exptl. Parasit. 32, 277.