

Entomological Aspects of Malaria Transmission in Katharagama, Sri Lanka

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Mendis, Chandana

Colombo : Faculty of medicine, 1991

Degree: Ph.D

Abstract:

Entomological parameters of Malaria transmission in Kataragama were monitored by 5 standard techniques viz. cattle baited human baited night collections etc. Ten anopheline species were identified while 2 were more abundant and 8 species were human biting. All mosquitoes were tested for the presence of CS proteins of vivax and falciparum. A new mathematical expression was detived to estimate. Relative transmission efficiency and MBR. Infections were monitored by passive and Active cases defections and 93 cases of vivax and 136 cases of falciparum were detected. Antibody levels to CS proteins were low consistant with the low entomological inoculation rates.

Key Words : Malaria-transmission