

Clinical Profile of Malaria Patients Admitted to Pyin Oo Lwin General Hospital

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Abstract

Since Pyin Oo Lwin has malaria transmission, numerous malaria patients are admitted to General Hospital every year. This study was conducted to describe the clinical profile of malaria adult patients admitted in Medical Unit of 300 bedded General Hospital during 2003 to 2012. Clinical records were reviewed. Out of 602 confirmed malaria cases, male constituted 68.8%. *P.falciparum* malaria in 84.9%, *P.vivax* in 4.8% and mixed infection of *P.falciparum* and *P.vivax* in 10.3% of the cases were examined. Increasing number of cases were found in 2003, 2004 and 2005 with 73, 77 and 112 patients, respectively. However, decreased incidence was observed in 6 consecutive years since 2006 with 68, 71, 69, 58, 23 and 30 patients per year. Peaks of admission were recorded in the months of July-August and November-December. Mean duration of fever before admission was 7 days. The common presenting symptoms were: fever (98%), chills (43%), rigor (38.5%), altered consciousness (11.8%), vomiting (11.6%), abdominal pain (10.6%), headache (9.5%), body ache (7.1%), convulsion (1.8%), diarrhoea and dysentery (1.8%), scanty urine (1.5%) and inability to sit or stand (0.3%). Mean duration of hospital stay was 5.5 days. Severe and complicated malaria were found in 28.9%. The common complications were cerebral malaria (13.6%), hyperpyrexia (6.8%) and severe anaemia (6.1%). All patients were treated according to national anti-malarial treatment guideline. Hospital deaths were recorded in 50 cases (8.3%). Bi-variate analysis showed that 45 years and above aged cases were more vulnerable to die from severe malaria than others ($p=0.019$).