



MOUNT KENYA

UNIVERSITY

**EFFECTIVENESS OF ARTEMESININ- BASED
COMBINATION THERAPY IN MANAGEMENT
OF MALARIA IN GILGIL MILITARY
REGIONAL HOSPITAL, KENYA**

BY

EDWARD KAATHO LOKERITH

STUDENT ADMISSION NO. BPHARM/09/04749

SUPERVISOR: DR FRANCIS O. OCHOLA

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ABSTRACT

The research project is to determine the effectiveness of artemisinin-based combination therapy in management of malaria in Gilgil military regional hospital in Nakuru county, Kenya.

The study was carried out to confirm if Artemether plus lumefantrine combination was effective in management of malaria infection. The study was also to determine the level of adherence among patients managed for malaria at Gilgil military regional hospital.

The study was carried out at the out-patient department at the Gilgil military regional hospital using the out-patient records and the laboratory records. In-patient records were also used for patients who came back for management after a course of AL. The study population was 162 patients who were tested for malaria parasite between the age of 14-55year during the month of July.

In conclusion, the research found out that, most of the patients who were given AL did not come back for management after a course of AL implying compliance to treatment and only a few came back. The study also showed that it can be difficult to manage patients with high parasitaemia using AL. Otherwise AL is still effective in management of uncomplicated malaria.