

ABSTRACT

In order to determine the occurrence of *brucellosis* and its treatment in Kajiado District Hospital a retrospective study on all the patients' records for the patients who were tested for *brucellosis* in the month of January, February and March 2007 was done. Necessary data like the patient sex, age, the result of the test and the treatment (drugs administered) was recorded.

256 patients' records were included in the study. 141 patients had been found positive of *brucellosis*. This number represented 55.06% out of the 256 tested patients. Out of the 141 patients, 95 i.e. 67.4% were males and 46 i.e. 32% were females. The peak occurrence of *brucellosis* was in the 31 – 40 years age group with 40 patients representing 28.37% out of all positive patients.

In treatment of *brucellosis* it was realized that two regimens were used i.e. the drug combination and the single drug regimens. A total of 8 combinations were used in 75 patients. Considering the combinations alone, Doxycycline + rifampicin was the most used with 18 patients i.e. 24% out of the 75 patients on combinations. Tetracycline was the most used single drug regimen, with 31 patients i.e. 21.99% out of all the 141 positive patients.

It was concluded that there is need for interventions by the government, all medical practitioners e.g. veterinarians and other independent organizations in sensitizing the public on the risk factors, prevention and treatment of *brucellosis*. Also the recommended treatment regimens should be administered and the patients instructed to follow the full course of the treatment to avoid resistance and relapse of the disease.

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THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

**DEPARTMENT OF HEALTH SCIENCES AND
BIOTECHNOLOGY**

TRADE PROJECT

**TITLE: PREVALENCE AND TREATMENT OF
BRUCELLOSIS AT KAJIADO DISTRICT HOSPITAL IN
JANUARY, FEBRUARY AND MARCH 2007**

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