DETERMINATION OF THE CAUSES OF RESISTANCE OF BACTERIA TO ANTIBIOTICS
AT MATHARI DISTRICT HOSPITAL

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INDEX NUMBER: 4010024078

SUBMITTED TO:

THE KENYA POLYTECHNIC UNIVERSITY COLLEGE, DEPARTMENT OF HEALTH SCIENCES AND BIOTECHNOLOGY IN PARTIAL FULFILMENTOF THE REQUIREMENTS FOR A DIPLOMA IN PHARMACEUTICAL TECHNOLOGY.

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SUBMITTED IN SEPTEMBER, 2007.

CHAPTER ONE

This research entails the determination of the causes of resistance of bacterial strains to antibiotics as a whole. The study design was through direct interview largely, personal observation in the hospital parmacy and by use of questionnaires. The study was conducted at Mathari Disrict Hospital between the periods of January to March 2007(2 months) and the study subjects included patiens of all races, ages ranging from 18 to 50 years and sex was not a priority.

The study took place through a random sample as it was the most appropriate in The study was not only confined to the hospital and its precints, but also the

neighbouring Pangani and Mathare estatse and slums respectively. After the study, it came out clearly that both the patients and the healh practitioners do not carry out rationale use of drugs as well as dispensing, mostly due to monetary factors and negligence on both parties. The level of education of the patients also played a role in terms of rationale use of drugs. Most do not understand what what the dispensers advise them and arrogance makes them less inquisitive hence they use drugs according to their own

To correct this, proper use of drugs and proper dispensing on both the patients and the health practitioners respectively is required. Use of beta-lactamase inhibitors in cases of rsistance and employment of surveillance officers by the ministry of health to keep an eya on don't-care health practitioners and quacks is also a way of combating resistance. In addition, cases that have been confirmed as having treatment failure should be treated with 2nd line drugs.Other mehods of diagnosis should also be incorporated by the medical practitioners. Dta presentation is via pie-charts, graphs (bar and line), and tables. The limitations that i came across were ignorance from most of the respondents demanding money for exchange of information and also inadequacyof finances to support this project.

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