

Prevalence and Antimicrobial susceptibility of staphylococcus aureus at the Kenyatta National Hospital, Nairobi.

Abstract:

A cross sectional study of 115 patients admitted at the Department of Orthopedics, Kenyatta National Hospital, Nairobi, Kenya was carried out to determine the prevalence and antibiotic susceptibility of Staphylococcus aureus isolated from infected wounds. The prevalence of Staphylococcus aureus was 33.0 %. The drugs tested and their corresponding sensitivity was amoxicillin (13.2 %), co-amoxyclav (39.5 %), oxacillin (55.3 %), erythromycin (44.7 %), gentamicin (60.5 %), ciprofloxacin (62.2 %), minocycline (86.8 %), cefuroxime (57.9 %), and clidamycin (84.2 %). These results show the sensitivity profile of Staphylococcus aureus and can be used to choose suitable drugs in the management of wounds for hospitalized patients.