

9th International Congress on

SURGERY

August 27-28, 2018 Tokyo, Japan

Knowledge, attitude and practice of surgical staff towards preoperative surgical antibiotic prophylaxis in Soba university hospital, Khartoum Sudan, 2018

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Surgical Site Infections (SSIs) are one of the commonest serious complications after surgeries and it has major role in increasing mortality, morbidity and costs of health services. The use of Surgical Antimicrobial Prophylaxis (SAP) is an effective measure to prevent development of SSIs. This study aimed to evaluate the knowledge, attitude and practice of prophylactic antibiotics in surgery department in soba university hospital. A descriptive study was conducted among doctors in surgery department in soba university hospital in order to assess their Knowledge, Attitude and Practice (KAP) about SAP. A four-section multiple-choice questionnaire was designed and hand-delivered to registered doctors in surgery department in soba university hospital. The surgeons' answers were considered correct when they were in accordance to the American Society of Health-System Pharmacist (ASHP) guidelines. 56 doctors were requested to participate in this study and their response rate was 87.5%. Six (12.5%) surgeons had good knowledge about appropriate SAP. However, 16.3% and 24.5% of the respondents were aware of appropriate SAP in case of Ig E-mediated reaction to penicillin and risk of Gram-negative infections, respectively. The surgeon's attitude score about the need for local and national guidelines for SAP was 98% and 100%, respectively. Accordance of the physician's practice with ASHP guidelines regarding timing of the first dosage of SAP was 35.4% while correct administration of an intraoperative dose was 42.9% in agreement with the guideline. 53.1% knows when to stop SAP after surgery correctly.

Biography

Ali Mohammed Ali Mohammed Ahmed is now a 5th year Medical Student in University of Khartoum, Faculty of Medicine. He is now serving as the President of student association of medical education and research (SAMER) and he was also the Academic Secretariat of Khartoum Medical Students Association (KMSA), also he is an active Member and Former Academic Coordinator in SCOPE which is part of MEDsin-Sudan the Member of International Federation of Medical Students Association (IFMSA).

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