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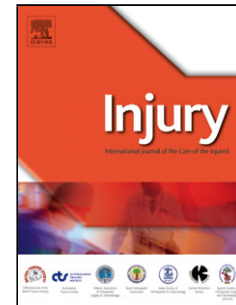
Title: Review of MRSA screening and antibiotics prophylaxis in orthopaedic trauma patients; The risk of surgical site infection with inadequate antibiotic prophylaxis in patients colonized with MRSA

Authors: H.J. Iqbal, N. Ponniah, S. Long, N. Rath, M. Kent

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REVIEW OF MRSA SCREENING AND ANTIBIOTICS PROPHYLAXIS IN ORTHOPAEDIC TRAUMA PATIENTS; The risk of surgical site infection with inadequate antibiotic prophylaxis in patients colonized with MRSA

H J Iqbal, SpR Trauma and Orthopaedics¹

N Ponniah, Medical student¹

S Long, medical student¹

N Rath, SpR Trauma and Orthopaedics²

M Kent, Consultant Trauma and Orthopaedics¹

¹Trauma and Orthopaedic department, Royal Liverpool and Broadgreen University Hospital NHS Trust, Liverpool, UK

²Trauma and Orthopaedic department, University Hospital of Wales, Cardiff, UK

***Corresponding Author:**

Mr H J Iqbal FRCS (Tr & Orth)

SpR Trauma and Orthopaedics, Mersey Deanery Orthopaedic rotation.

Present address: University Hospital of Aintree NHS Trust, Longmoor Lane, Liverpool, L9 7AL, UK

Tel: 07916305115

Email: hafjavaid@yahoo.com

Aims: The primary aim of this study was to determine whether orthopaedic trauma patients receive appropriate antibiotic prophylaxis keeping in view the results of their MRSA screening. The secondary aim was to analyse the risk of developing MRSA surgical site infection with and without appropriate antibiotic prophylaxis in those colonised with MRSA.

Patients and Methods: We reviewed 400 consecutive orthopaedic trauma patient episodes. Preoperative MRSA screening results, operative procedures, prophylactic antibiotics and postoperative course were explored. In addition to these consecutive patients, the hospital MRSA database over the previous 5 years identified 27 MRSA colonised acute trauma patients requiring surgery.

Results: Of the 400 consecutive patient episodes, 395(98.7%) had MRSA screening performed on admission. However, in 236 (59.0%) cases, the results were not

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