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Change the habit to change the practice: Do audits really ever change anything?

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Introduction

Methicillin resistant staphylococcus aureus (MRSA) eradication by nurses and pre-op induction

antibiotics are mandated for emergency surgery, where true status is unknown. We assessed

adherence to local MRSA guidelines for patients undergoing emergency hip fracture surgery and

employed point of decision prompts to influence clinicians' behaviour.

Methods

We undertook a retrospective record review for all patients undergoing emergency hip fracture

surgery at a UK major trauma centre over 3-months. Demographics, MRSA eradication therapy and

antibiotics were recorded. Admission-to-MRSA swab result time was compared to the admit-to-

operation time. Posters on induction antibiotics were placed in anaesthetic rooms, stickers on MRSA

eradication therapy on nursing care bundles and standards re-audited after 6 months.

Results

The case-mix was similar in both audit cycles: initial audit (n=69, mean age 76.9, range 33-94), re-

audit (n=77, mean age 73.8, range 18-95). There was a small rise in adherence to eradication therapy

prescription (1% vs 8%) after sticker distribution, although compliance was poor pre and post

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