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A simple mnemonic and visual aid can improve care for patients with AKI

Treating

48%

Introduction

- Acute kidney injury (AKI) affects 20% of hospital admissions (1), is associated with 17% 30 day mortality (2).
- There is increasing evidence that prompt recognition and appropriate management are poor (2).
- Orthopaedic patients, often suffering peri-operative blood loss and dehydration, are at high risk of developing AKI (3).

<u>Aims</u>

 To assess compliance to best practice guidelines at a major trauma centre and to evaluate the improvement of care with the introduction of a new AKI care bundle. Improving the care and outcomes for patients with AKI

Urinalysis

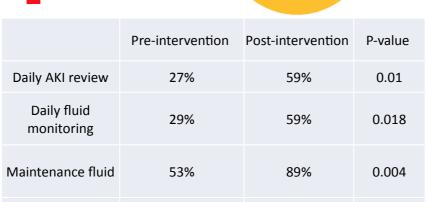
Nephrotoxic review

Dehydration→ Fluids

Obstruction → USS

Monitor IP/OP & Bloods

Escalate if deteriorates



12%

Method

- Data was collected from 49 orthopaedic patients developing an AKI over a 5-week period in the Northern General Hospital, Sheffield. Individuals were identified using creatinine results, and data collected from electronic observations, fluid charts and notes.
- An AKI care bundle was introduced in the form of ward posters and note stickers. A re-audit was then performed on 27 patients with AKI to evaluate the impact of our intervention.

Conclusion

0.001

- The AKI care bundle led to an overall improvement in adherence to the AKI best practice guidelines.
- Our results did not show an overall reduction in the number of days to recovery from AKI
- Future audit cycles should aim to include larger numbers in order to demonstrate significance across more areas.



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Urine analysis

Hashmat, S., Hashmat, M., Amanullah, F. and Aziz, S. 2008. Factors causing exam anxiety in medical students. *Journal of Pakistan medical association*. **58**(4), p167.

