Development of a multidisciplinary quality improvement bundle to improve perioperative care in the management of neck of femur patients at a district general hospital

Sumita Saxena, Sarah Elholly, Matt Olver, Guy Brewer
Croydon University Hospital NHS Trust, Croydon, UK

sumitasaxena@hotmail.com

BACKGROUND

Hip fractures (NOF) continue to pose a key challenge to healthcare. They remain the commonest reason for the elderly population to need emergency surgery, costing the NHS over £1 billion per year.[1] A prospective audit in 2015 at Croydon University Hospital (CUH) observed sub-optimal practice with protracted time to surgery (63% (national average 86%). With the introduction of a multidisciplinary Q bundle, the aim of this study was to demonstrate service improvement.

INITIAL AUDIT - PROBLEMS IDENTIFIED

Graph 2: total admissions to theatre within a 6 month period and hours delayed
Graph 2: highlights reasons for delay. Red coloured areas are AAGBI unacceptable delays.

CHANGES IMPLEMENTED - NEW HIP BUNDLE

An improvement bundle for hip fractures was introduced at our hospital:

THE BUNDLE INCLUDED:
2. Anaesthetic review within 6 hours to aid surgical optimisation.
3. Raising awareness of the ‘trauma coordinator’ role.
4. Education on the importance of documenting pain scores in and out of theatre.
5. Training on Fascia Iliaca block (FIB) administration in A&E and in theatre.

Graph 3: total admissions to theatre over 6 months

NEW HIP BUNDLE

Guidelines for care of patients with NOF

REFERENCES
1. AAGBInet/Physicians/Anesthesia/AnesthesiaGuidelines/ElectiveHipFractureDocument.pdf

WHERE NEXT?

With the introduction of Quality improvement bundle we have shown significant improvements with the overall care for patients with NOF.

KEY MESSAGE:

By adopting a standardised, protocol-driven approach to referrals and perioperative management of NOFs we are developing a culture of continuous improvement and awareness across the Trust. This has made significant improvements in our perioperative management of patient presenting with NOFs.