

Orthopedics: Supracondylar Fracture and Femur Fracture
CSW Project Summary



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Approval Date: August 2011
Next Review Due: August 2014
CSW Owner: Michael Goldberg and the Clinical Effectiveness Program

***Approved by the Supracondylar Fracture and Femur Fracture Clinical Standard Work (CSW) Team
August 2011***

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Objectives

- A. To initiate patient safety checklists and attending physician attestation for use in the treatment of pediatric patients with supracondylar humerus fractures
- B. To initiate patient safety checklists and attending physician attestation for use in the treatment of pediatric patients with femur fractures.
- C. To integrate patient safety checklists for supracondylar fractures and femur fractures into the concurrent efforts to standardize admission, post operative and discharge order sets for all orthopaedic diagnoses.

Recommendations

1. Patient safety checklists for supracondylar humerus and femur fractures are to be used by all orthopedic resident physicians, nurse practitioners or physician assistants and attested to by the attending physician.
2. Patient safety checklists are to be completed at critical points in the patients' progression through treatment.
 - These critical points include, prior to leaving the Emergency Department, prior to leaving the OR/PACU and prior to being discharged to home.

Rationale

- Patient safety checklists are well established tools for improving process and performance.
 - They are known to improve team communication and reduce errors.
 - They include process steps where there may not be conclusive evidence.
 - They allow for individual variability while at the same time promoting safe and sequential care for the patients.

Evidence

- A. Guideline on The Treatment of Supracondylar Fractures (status: scheduled for release in September 2011), American Academy of Orthopaedic Surgeons
- B. Guideline on The Treatment of Pediatric Diaphyseal Femur Fractures, (2009), American Academy of Orthopaedic Surgeons.

Implementation Highlights

- Patient safety checklists are embedded into the orthopaedic order sets so that the orders can not be signed unless the patient safety checklists are completed.
- All clinicians were given an opportunity to use the tools in a test domain, prior to implementation of the patient safety checklists and order sets. Feedback was given and the tools were revised prior to going live.

Metrics Plan

- *CSW Core Metrics*
- *Process\Outcome Metrics*
 1. Percent of discharges with patient safety checklist completed by resident.
 2. Percent of discharges with patient safety checklists with attestation by attending.
 3. Time between resident completed patient safety checklist and attending attestation.
 4. Average number of "admit to" orders per discharge.
 5. Percent reduction of duplicate orders.

PDCA Plan

- Meet monthly for the first three months to review concerns and monitor metrics, then meet every six months.

Revision History

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