Big Heads and High Stakes!

Pediatric Head Injury
Objectives

1. Attendees will be able to formulate a practical approach Emergency Department imaging of head injury

2. Attendees will be able to recognize the importance of discharge instructions in the setting of concussion
1. Accuracy of Point-of-Care Ultrasound for Diagnosis of Skull Fractures in Children.

69 patients from 2010-2012

17 Clinicians (1 hour of training)

8 Skull Fractures

88% Sensitivity
97% Specificity
2. Effect of the duration of emergency department observation on computed tomography use in children with minor blunt head trauma

Conclusions

“Those observed received fewer CT scans, with increasingly longer observation associated with progressive decreases in imaging rate.”

49% Observed
20% CT Scan

70% reduction in CT rate every hour
3. Variability in Discharge Instructions and Activity Restrictions for Patients in a Children's ED Postconcussion.

Findings

81% Imaging
31% Diagnosis of Concussion
34% Instructions
34% Activity Restrictions
Parachute
PREVENTING INJURIES. SAVING LIVES.
Take Home

1. Consider POCUS in the setting of suspected skull fracture.

2. Appropriate discharge instructions are very important in the management of children diagnosed with concussion.
References


