Need for Intervention in Pediatric Penetrating Trauma: A National Trauma Registry Study

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Aim: explore need for interventions in pediatric penetrating trauma

The Israeli National Trauma Registry
Children 0-14 years
Penetrating trauma

Primary outcome: NFTI+

(composite of any of the following; intracranial, intrathoracic, intra-abdominal , pelvic or spinal fixation surgery performed <90 mins of arrival to the ED, blood transfusion <4 hrs of arrival, discharge from ED to ICU with ICU LOS>3 days, mechanical ventilation or death.)

Data

598 children
Median age 10 yrs
76.8% male

123 (20.6 %) NFTI+

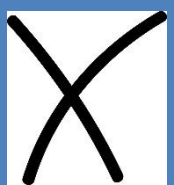
Main Findings: classifiers for NFTI+

GCS<15
OR 11.6
95% CI 4.8-30.9

BP ⇩
OR 4.9
95% CI 1.2-21.7

HR ⇧
OR 4.2
95% CI 1.6-10.5

All OK n=484
12.4% NFTI+



Any NOT OK n=114
55.2% NFTI+

CI confidence interval, ED emergency department, GCS Glasgow Coma Score, ICU intensive care unit, LOS length of stay, OR odds ratio

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