

# A Multidisciplinary Pediatric Trauma Bootcamp

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## Statement of Problem

- Trauma resuscitations are complex, high stress, high consequences events
- Members of multiple disciplines and specialties are involved in resuscitations

## Objectives

- To demonstrate the attributes and behaviors of an effective pediatric trauma team leader
- To demonstrate the attributes and behaviors of an effective pediatric trauma team member
- Demonstrate safe, thorough and efficient primary and secondary surveys for pediatric trauma patients with prompt and appropriate initiation of immediate life and limb saving interventions
- Demonstrate the steps involved in correctly performing procedures essential to the initial stabilization of the pediatric trauma patient

## Description

- An interdisciplinary working group was created to identify the educational needs of the team caring for an acutely injured child
- A novel curriculum was created addressing the educational needs in a half-day "bootcamp" format
- The inaugural bootcamp was in the fall of 2019
- Acknowledging that practicing these skills and behaviors were essential even during the pandemic, a modified bootcamp was offered in the fall of 2020



## Curriculum

- Pediatric Trauma Simulation #1 – scenario involving an infant with a significant head injury
- Pediatric Trauma Simulation #2 – scenario involving a child with penetrating torso trauma
- Pediatric Skills Station #1 – Basics of non-invasive and invasive airway management, IV and IO placement
- Pediatric Skills Station #2 – Basics of chest drainage and right heart obstruction, hemorrhage control

## Learners

- Pediatric Emergency Medicine fellows, Pediatric Critical Care fellows, Surgery residents, pediatric emergency nurses participated I 2020
- Pediatric Emergency Medicine Attendings, Pediatric Surgery Attendings, Pediatric Anesthesia Fellows were participants as well in 2019



## Observations and Unanswered Questions

- The bootcamps were well received and learners felt that their confidence in performing the objectives increased
- Going forward, we want to assess both skill retention and effect on actual patient care

