

**ALL PICTURE AND VIDEO
SLIDES REMOVED**

Discloser for Outline

Pediatric Trauma Call Gone Bad: Curbside to Bedside

Presented by:

Jason Dush, CCEMT-P, FP-C

Objectives:

- Discuss the most common pediatric trauma conditions.
- Identify common challenges faced when managing the pediatric patient.
- Discuss the different treatment modalities between pre-hospital and emergency department care.
- Discuss lessons learned and how teamwork between EMS and hospitals can benefit over all patient care.



Pediatric Trauma Injury Statistics

- MVA- 38%
- Falls- 26%
- Blunt Force- 18%
- Cutting and puncture- 10%
- Misc- 8%
- 44 % of child and adolescent injuries occurred in the home.
- **HEAD INJURY REPRESENTS ~ 55%, WHILE INTERNAL INJURIES REPRESENT ~15%.**

Pediatric Trauma Conditions

PICTURES NOT INCLUDED
HEAD INJURY

Pediatric Trauma Conditions

PICTURES NOT INCLUDED
MULTI-SYSTEM TRAUMA

Pediatric Trauma Conditions

PICTURES NOT INCLUDED
BLUNT FORCE

Pediatric Trauma Conditions

PICTURES NOT INCLUDED

BURNS

How Does Serious Injury Occur in Children?

- Function of Age & Development
 - Does not yet understand harm or risk
 - Does not yet understand cause and effect
 - Feeling invincible

Common challenges faced with pediatric patient's



- Recognition
- Preparation
- Education

High Stress Situation

Who has to control the situation?

High Stress Situation

- Child
 - In pain
 - Frightened
 - Guilty
- Parent
 - Frightened
 - Guilty
 - Exhausted
- Providers
 - Frightened
 - Overwhelmed
 - Not experienced
 - Equipment
 - May over-empathize



Basic Points

- Maintain adequate oxygenation, ventilation and cardiac output sufficient to sustain life.
- If invasive procedure considered, do benefits outweigh risks?
- If parent is not accompanying child, is history adequate?

Basic Points

- Maintain efficient and affective patient care to the best of your abilities.
- Reassess, Reassess, Reassess and adjust accordingly.
- SMR protection.
- Major fractures immobilization.
- Transport expeditiously.

Trauma Case Study # 1

SUV vs. Light Pole

**MULTIPLE PICTURES NOT
INCLUDED**

Call Overview

- Airway
- Patient management
- Scene management
- Transport
- Bedside report

Trauma Case Study # 2

SUV rollover with multiple critical
pediatric patients

**MULTIPLE PICTURES NOT
INCLUDED**

Call Overview

- Airway
- Patient management
- Scene management
- Transport
- Bedside report

Treatment Modalities

Pre-hospital vs. Emergency
Department Care.

Pre-hospital

- Initial assessment
- Initial management
- AIRWAY
- Packaging
- Transport
- Reassess

Emergency Departments

- Initial assessment
- Initial management
- AIRWAY
- Un-Packaging
- Reassess
- X-ray, CT, Labs



EMS

- ECA – Paramedic
- BLS/ALS
- PALS/PEPP
- SMR
- Manage
- Transport ER

ER

- PCT - MD
- BLS/ALS
- PALS/PEPP/ENPC
- SMR
- Manage
- Transport to ICU, Surgery, Floor or discharge home

Teamwork

- Mutual respect
- Common focus
- Rely on each other
- **Effective communication**

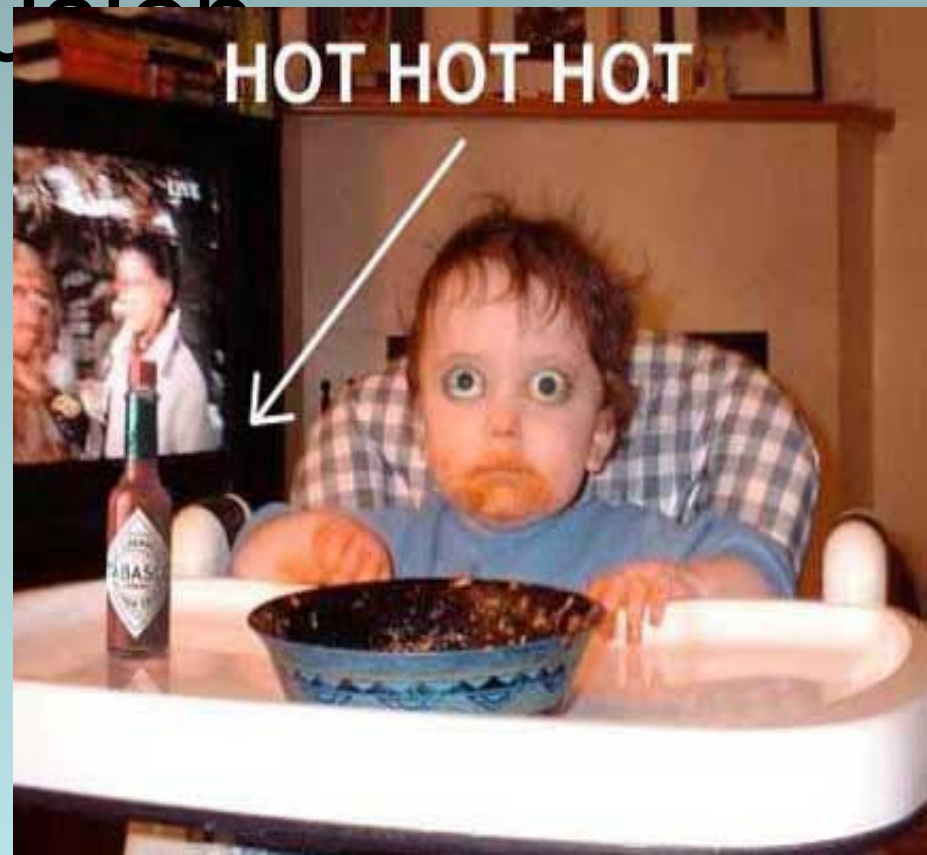
Lessons Learned

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Lessons Learned

- Scene management
- Pt care issues
- Crew dynamics
- Continuum of care from scene to hosp
- Value of TEAMWORK

Conclusion



THANK YOU

Jason Dush: jdush@careflite.org