



Colorado Pediatric Emergency and Trauma Conference

November 15-16, 2023

Children's Hospital Colorado
Anschutz Medical Campus
Mt. Oxford, Conference and Education Center
Virtual Attendance option

Provided by

Children's Hospital Colorado
Trauma Services and Emergency Medical Outreach



Children's Hospital Colorado



Affiliated with
University of Colorado
Anschutz Medical Campus

Colorado Pediatric Trauma Conference

Learning Objectives

- Analyze end-of-life care decisions and how they impact patients, families, and the healthcare team.
- Plan optimal treatment for pediatric traumatic pneumothorax patients prior to transport.
- Discuss the different approaches and objectives of blunt and penetrating traumatic mechanisms.
- Debate where and when point-of-care ultrasound should be performed.
- Examine the pearls and pitfalls to pediatric TBI management and discuss critical prehospital considerations.
- Discuss tangible tools to build awareness of stress on a continuum, identify actionable steps to mitigate its impact, and explore systemic barriers that prevent recovery and resiliency.
- Examine impacts of traumatic stress and grief on the stress response.
- List appropriate car seats for children as they grow and discuss hospital resources available to our patients, crash replacement, adaptive car seats for children with specific travel needs and counterfeit car seats.
- Demonstrate how to educate a hospital on mass casualty policies and procedures.
- Describe management strategies for recognizing and addressing several common pediatric conundrums in the prehospital and interfacility transport setting.
- Review airway and respiratory management of the critically injured child.
- Appraise the basic EMS management concepts, examine new and exciting developments in prehospital management, and review best practices for caring for seizures.
- Examine the core components of a level 1 verified trauma center, and the detailed process and intended outcome of a PIPS program.
- Identify sentinel type injuries for child abuse and understand the recommended medical workup.
- Assess why pediatric readiness matters and what resources are available through the Colorado EMS for Children program.
- Review optimal management of acute hemorrhage in the pediatric trauma patient.
- Discuss common neonatal diagnoses in the first 28 days of life.
- Review best practices in information handoff for trauma patients.
- Review relevant clinical markers that portend outcomes after moderate to severe brain injury.
- Discuss the role of whole blood in resuscitating pediatric trauma patients.

Overview

The Colorado Pediatric Emergency and Trauma conference provides education for state-of-the-art care of the pediatric trauma patient in both the pre-hospital setting and through the continuum of inpatient care.

Learner Outcome

Learners will self-report expanded knowledge of pertinent clinical conditions related to trauma pathophysiology and care of the traumatically injured pediatric patient.

Continuing Education Credit

Medical: Children's Hospital Colorado is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Children's Hospital Colorado designates this Live activity for a maximum of 12.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nursing: Children's Hospital Colorado is approved with distinction as a provider of nursing continuing professional development by Colorado Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

This educational activity for 12.5 nursing contact hours is provided by Children's Hospital Colorado.

EMS: Children's Hospital Colorado is a State of Colorado recognized EMS Training Group (CO-049) and will provide 12.5 continuing education credits for all pre-hospital providers.

General: A certificate of attendance will be available for other disciplines.

Registration

Two Day Registration

Providers (Physicians, APP) - \$200
Nurse, EMT or Other - \$50

One Day Registration

Providers (Physicians, APP) - \$100
Nurse, EMT or Other - \$25

Poster Presenter, Planning Committee or Speaker- Complimentary

[Register Here](#)



Agenda

Thursday, November 16, 2023

Wednesday, November 15, 2023

- 7:30 am **Sign-in and Breakfast**
- 8:00 **Welcome and Opening Remarks**
Jason Kotas, NREMT
- 8:05 **The Journey Through End of Life**
Thomas A. Nakagawa, MD, FAAP, FCCM
- 8:45 **Pre-hospital and pre-transport management of traumatic pneumothorax: does elevation make a difference?**
Nichole Becher, MD
- 9:15 **Respiratory Management: RSI to Ventilator Management**
Patrick "Jake" Cripe, MD, FAAP
- 9:45 **Q&A- Group**
- 10:00 **Break**
- 10:15 **Whole Blood for Trauma Resuscitation in Children**
Anne Kulungowski, MD
- 10:45 **Blunt vs. Penetrating Trauma**
John Bealer, MD
- 11:15 **Initial Hemorrhage Management**
Joseph "Bob" Kelly, MD, DiMM
- 11:45 **Q&A- Group**
- 12:00 pm **Poster Presentations**
- 12:15 **Lunch**
- 1:00 **Point/Counterpoint: Ultrasound When and Where**
Austin Meggit, MD - vs. Sigmund J. Kharasch, MD

1:40 Move to Breakout Sessions

Trauma		EMS
1:45	Acute Burn Management & Resuscitation <i>John Wiersch, MD</i>	Sepsis <i>Anne Adema, MD</i>
2:15	Point-of-Care Ultrasound Cases: Trauma and Surgical <i>Sigmund J. Kharasch, MD</i>	Pediatric Pearls and Pitfalls for the EMS Provider <i>Jonathan Higgins, MD, FAAP</i>
2:45	Ethics/DA <i>Thomas Nakagawa, MD, FAAP, FCCM</i>	Neonatal Emergencies <i>Callie Searley, BSN, RN, C-NPT</i>

- 3:15 **Q&A- Group**
- 3:30 **Evaluation & Adjourn**
- 3:30- 5:00 **Reception**

- 7:30 am **Sign-in and Breakfast**
- 8:00 **Welcome**
Jason Kotas, NREMT
- 8:05 **Mass Casualty Incident Education**
Mike Halaska, BSN, BS, RN, CPEN, CEN
- 8:35 **Keeping Kids Safe in Cars: Car Seats for All Ages, Stages, and Needs**
Clare Decker, MPH, CPH, CPST, STAC
- 9:05 **What EMSC Can Do for You**
Nicolena Mitchell
- 9:35 **Q&A- Group**
- 9:50 **Break**
- 10:05 **Using the Stress Continuum Model to Mitigate Occupational Stress Injury and Burnout**
Mandy Doria, MS, LPC, NCC, RYT-200
- 10:45 **Emergent Vascular Access**
Christopher Nichols, MD
- 11:15 **Information Lost, Information Gained – The Importance of a Clear Handoff in Trauma**
Kristin Kim, MD, PhD
- 11:45 **Q&A- Group**
- 12:00 pm **Lunch**
- 1:00 **Trauma Outcomes and Performance Improvement: The Continuum of Care**
Shannon Becker, BSN, RN, CPN
- 1:40 **Move to Breakout Sessions**

	Trauma	EMS
1:45	Current Approaches to Imaging of Pediatric Neurotrauma <i>Nick Stence, MD</i>	TMI about Pediatric TBI <i>Maria Mandt, MD</i>
2:15	Brain Injury Outcomes: Clinical Markers and CHCO Specific Data <i>Kilby Mann, MD</i>	What's Shaking? Pediatric Seizure Management for EMS <i>Kathleen Adelgais, MD MPH FAAP, FAEMS</i>
2:45	Recognizing and responding to child physical abuse <i>Denise Abdoo, PhD, CPNP, MSN</i>	Respiratory <i>Nathan Jamieson, MD</i>

- 3:15 **Q&A- Group**
- 3:30 **Evaluation and Adjourn**

Faculty

Denise C. Abdo, PhD, CPNP

Associate Professor of Pediatrics, University of Colorado
School of Medicine
Child Protection Team
Children's Hospital Colorado

Kathleen Adelgais, MD MPH FAAP, FAEMS

Attending Physician, Children's Hospital Colorado Emergency
Department
Professor, Pediatrics and Emergency Medicine
University of Colorado School of Medicine
Principal Investigator, Colorado EMS for Children Program

John F. Bealer, MD

Professor of Surgery
University of Colorado School of Medicine
Trauma Medical Director and Administrative Lead
Children's Hospital Colorado— Colorado Springs

Nicole Becher, MD

Pediatric Surgery Research Fellow
University of Colorado School of Medicine

Shannon Becker, BSN, RN, CPN

Trauma Program Manager
Children's Hospital Colorado – Anschutz

Patrick “Jake” Cripe, MD, FAAP

Medical Director, Pediatric Critical Care Medicine, Children's
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Assistant Professor, University of Colorado School of Medicine

Clare Decker, MPH, CPH, CPST, STAC

Injury Prevention Coordinator
Trauma Program
Children's Hospital Colorado

Mandy Doria, MS, LPC, NCC, RYT-200

Assistant Professor, Department of Psychiatry
Therapist with Stress, Trauma, Adversity, Research &
Treatment (START) Clinic
Program Director, Past the Pandemic Program for Healthcare
Workforce
University of Colorado School of Medicine

Michael Halaska, BSN, BS, RN, CPEN, CEN

Emergency Management Nurse Coordinator
Children's Emergency Management Program
Children's Hospital Colorado

Jonathan Higgins, MD, FAAP

Assistant Professor of Pediatrics
University of Colorado School of Medicine
Pediatric Emergency Medicine Attending
Emergency Department
Children's Hospital Colorado

Joseph “Bob” Kelly, MD, DiMM

Clinical Instructor, Emergency Medicine
EMS Liaison
Children's Hospital Colorado- Colorado Springs
Deputy Medical Director Colorado Springs Fire Dept.,
AMR-COS/EPCO, Teller, Co EMS

Sigmund J. Kharasch, MD

Director, Pediatric Emergency Ultrasound
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Assistant Professor
Harvard Medical School

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Jason Kotas, NREMT

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Nicolena Mitchell

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Colorado Firefighter Endowed Chair
Medical Director, Trauma and Burn Programs
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John Wiersch, MD

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