Pediatric Disorders

- **Pediatric Procedures Lab**
  10/27/2019 8:00 AM - 11:00 AM
  SU-5
  
  *Faculty: S. Chad Scarboro, MD, FACEP (Moderator)*
  
  Performing emergency procedures on sick infants & children can be stressful & frustrating. During this hands-on lab you will be given an opportunity to obtain hands-on practice in several life-saving procedures. Seldinger technique, intraosseous line placement, umbilical vein catheters, & airway management techniques, including intubation, laryngeal mask airway, & needle cricothyrotomy will be demonstrated. (This lab is limited to 45 participants.)

- **Pediatric Lung Ultrasound: Time to Ditch the Chest X-Ray?**
  10/27/2019 12:30 PM - 12:55 PM
  SU-366
  
  *Faculty: Russ Horowitz, MD*
  
  Point-of-care ultrasound is a great diagnostic tool in pediatric patients with respiratory related medical and surgical complaints. It is uniquely suitable for young children where the anatomy is shallow and radiation sparing is important. It is safer and faster compared to chest x-ray. Recently published studies have shown that it is equivalent or in some cases superior to plain radiography in efficacy as well. During this session, the presenter will discuss techniques, tips, and pitfalls for pediatric lung ultrasound. Literature supporting its use will be summarized. Typical findings in pediatric pneumonia, bronchiolitis, pneumothorax, empyema, lung contusion, & other common pulmonary conditions will also be reviewed.

- **Pediatric Procedures Lab**
  10/27/2019 12:30 PM - 3:30 PM
  SU-35
  
  *Faculty: S. Chad Scarboro, MD, FACEP (Moderator)*
  
  Performing emergency procedures on sick infants & children can be stressful & frustrating. During this hands-on lab, you will be given an opportunity to obtain hands-on practice in several life-saving procedures. Seldinger technique, intraosseous line placement, umbilical vein catheters, & airway management techniques, including intubation, laryngeal mask airway, & needle cricothyrotomy will be demonstrated. (This lab is limited to 45 participants.)

- **Problems With the Shunt: Best Practices for Evaluation of VP Shunt Issues**
  10/27/2019 2:00 PM - 2:25 PM
  SU-55
  
  *Faculty: Elizabeth Weinstein, MD, FACEP*
  
  The number of technology dependent patients that we evaluate in our EDs is steadily increasing. These technologies can be quite beneficial to the patient, but require our expanded understanding to manage their potential complications. Ventriculoperitoneal (VP) shunts can have several complications, but can present in very subtle manners. Patients with VP shunts for hydrocephalus represent a unique group of patients. The presenter to address the variety of important complications of VP shunts & will highlight the most current recommendations for evaluation & management of them.
• **Major Pediatric Traumatic Brain Injury: Not a Minor Problem**  
10/27/2019 5:00 PM - 5:30 PM  
SU-89  
*Faculty: Russ Horowitz, MD*  
A lot of attention has been given to pediatric minor head trauma & appropriately lowering the use of unnecessary CT scans, however significant head trauma is one of the leading causes of traumatic death in children & continues to deserve our attention. The presenter will review the anatomic & physiologic differences that must be considered when addressing pediatric traumatic brain injury & will bring us up to date with the most current literature on the management of pediatric TBI.

• **Pediatric Sim Lab**  
10/28/2019 8:00 AM - 10:00 AM  
MO-103  
*Faculty: Amanda B. Price, MD (Moderator); Ian D. Kane, MD*  
Critically ill children are some of the most challenging & worrisome patients to care for in the emergency department. This lab will use lo-fi sim to train providers in the recognition, assessment & treatment of pediatric patients with life threatening illness.

• **Pediatric Myths, Misnomers and Flat Out Lies**  
10/28/2019 9:00 AM - 9:50 AM  
MO-119  
*Faculty: Richard M. Cantor, MD, FACEP; Alfred D. Sacchetti, MD, FACEP*  
Every clinician knows that intussusception presents with currant jelly stools & procalcitonin is the best test to evaluate a febrile child & if you look hard enough you can always find a palpable olive in an infant with pyloric stenosis. Well, every clinician may be wrong. This session will challenge many of the long held tenets of pediatric emergency medicine in a spirited presentation that will certainly change many of your practices.

• **Subtle Signs of Abuse: It’s Not All About Bruises**  
10/28/2019 9:30 AM - 9:55 AM  
MO-124  
*Faculty: Russ Horowitz, MD*  
Child physical & sexual abuse is a challenging & difficult problem in the ED. Subtle signs can identify patients who present & are at risk for further trauma. New recommendations for testing & treatment of injuries & STIs have clinicians on the front lines of care for these patients. Discussion of the important role in the linkage to care that EDs play in the care of these patients will also be presented.
• **Pediatric Sim Lab**  
  10/28/2019 12:30 PM - 2:30 PM  
  MO-153  
  *Faculty: Amanda B. Price, MD (Moderator); Ian D. Kane, MD*  
  Critically ill children are some of the most challenging & worrisome patients to care for in an emergency department. This lab will use lo-fi sim to train providers in the recognition, assessment & treatment of pediatric patients with life threatening illness.

• **Cruising the Literature: Pediatric Emergency Medicine 2019**  
  10/28/2019 1:30 PM - 2:20 PM  
  MO-168  
  *Faculty: Richard M. Cantor, MD, FACEP*  
  Keeping up with the expanding pediatric emergency medicine literature is a challenge for busy emergency physicians. The speaker will review the recent literature from the past twelve months & discuss those articles that could affect the way you treat pediatric patients.

• **Pediatric Sim Lab**  
  10/28/2019 3:30 PM - 5:30 PM  
  MO-190  
  *Faculty: Amanda B. Price, MD (Moderator); Ian D. Kane, MD*  
  Critically ill children are some of the most challenging & worrisome patients to care for in an emergency department. This lab will use lo-fi sim to train providers in the recognition, assessment & treatment of pediatric patients with life threatening illness.

• **Plumbing or the Pump: Problems in Congenital Heart Kids**  
  10/28/2019 5:00 PM - 5:30 PM  
  MO-209  
  *Faculty: Elizabeth Weinstein, MD, FACEP*  
  Patients who have had surgery for congenital heart disease represent a very unique population, which can arrive in your ED with subtle as well as dramatic presentations. The presenter will discuss the basic surgical procedures for congenital heart disease & the potential complications of them in an effort to help us detect them & manage them efficiently.

• **Pediatric Stroke**  
  10/29/2019 8:30 AM - 8:55 AM  
  TU-226  
  *Faculty: Amanda B. Price, MD*  
  Pediatric strokes are increasingly recognized in pediatric & community EDs. Cased-based presentations of pediatric strokes will reviewed. Challenges in the recognition & mimics of pediatric stroke are also critical to understand in the timely diagnosis of this emergent presentation. Treatment strategies including tPA & interventional radiology will be explored. Challenges & community-based strategies to treatment & identification will be discussed.
• ALTE/BRUE: Can This Kid Go Home?
10/29/2019 9:00 AM - 9:25 AM
TU-230
Faculty: Marianne Gaushe-Hill, MD, FACEP

The apparent life-threatening event (ALTE) usually presents in a seemingly benign manner, however there is real associated morbidity & mortality. The question is are we able to risk stratify these children? Can the ALTE child go home? The presenter will discuss the most current, evidence-based literature on the topic. A reasonable initial evaluation & management strategy will be conveyed.

• Cough, Stridor, & Wheeze in the Pediatric Patient: Gone in 30 Minutes
10/29/2019 9:00 AM - 9:25 AM
TU-232
Faculty: Ian D. Kane, MD

The speaker will present an evidence-based review of treatment modalities for bronchiolitis, croup, & pneumonia.

• Life-Threatening Radiographic Emergencies in Pediatric Patients
10/29/2019 10:00 AM - 10:50 AM
TU-251
Faculty: Genie Ellen Roosevelt, MD

In the pediatric patient, life-threatening radiographic findings can often be subtle & easy to miss. The speaker will review important & potentially life-threatening findings found on pediatric radiographs. Cases that are specific to the pediatric population including cardiac, abdominal, traumatic, & infectious disease emergencies will be reviewed.

• Little Bonks, Little Heads: Pediatric Concussion & Head Injury
10/29/2019 10:30 AM - 10:55 AM
TU-259
Faculty: Andrew D. Perron, MD, FACEP

Infants & children presenting to the ED are a common complaint. Who needs to be imaged, who can be discharged safely, & how do you reassure patients in this era of heightened concern & decreased ionizing radiation usage. Who can return to the game & compete for the win & who needs a return to play guideline for safe return to sport? All of these questions & more will be answered during this lecture.

• Kids Behaving Badly: Pediatric Psych
10/29/2019 10:30 AM - 10:55 AM
TU-258
Faculty: Alfred D. Sacchetti, MD, FACEP

Children present with a multitude of psychiatric & behavioral problems at an ever increasing rate. ODD, ADD, ADHD, new medications, social media & bullying, suicidal ideation & homicidal ideation. These patients are different than adult patients for a number of reasons. These will be explored, along with the best practices for evaluation, treatment & disposition of pediatric patients with psychiatric & behavioral problems.
• Fussy Infant
10/29/2019 10:30 AM - 10:55 AM
TU-257
Faculty: Jennifer L. White, MD
The fussy irritable infant is a challenge to the most seasoned provider. A frequent complaint with critical implications but frequently no acute findings is frustrating to physicians, parents & patients. Strategies employed in the evaluation & disposition can engage families & mitigate some of this stress for families & limit risk. Real world techniques that are easily implemented will be the focus of the presentation.

• The 1st 60 Minutes: Initial Management of the Critically Ill Infant
10/29/2019 12:30 PM - 1:20 PM
TU-271
Faculty: Richard M. Cantor, MD, FACEP
Critically ill kids scare all of us! Fortunately, the critically ill child is rare even in the pediatric ED. Unfortunately, this rarity can often lead to discomfort in the management of these patients. Due to the subtle signs & symptoms of illness in children, the initial management is frequently delayed & sub-optimal which can lead to poor outcomes. The presenter will illustrate & highlight the important findings that can alert clinical providers to the child who is critically ill. Evidence-based strategies that will lead to improved clinical outcomes & save lives will be discussed.

• Scary Baby Bellies
10/29/2019 1:30 PM - 1:55 PM
TU-283
Faculty: Ian D. Kane, MD
Abdominal pain is one of the most frequent pediatric complaints. In the sea of gastroenteritis there are serious diseases that can't be missed. Case-based presentation & review of cardinal symptoms & signs of NEC, volvulus, hirschsprung's & pyloric stenosis. The latest EBM guidelines & management for academic & resource poor settings will be reviewed.

• This Kid Is Not Right: Flaccid Myelitis, ADEM, NMDA Receptor Antibodies
10/29/2019 2:00 PM - 2:25 PM
TU-294
Faculty: Amanda B. Price, MD
There are rare & unique presentations of acute neurologic emergencies that present in pediatric patients. Careful assessment, testing & disposition will allow the identification of these rare but very important diseases that appear to be on the rise. Flaccid myelitis, acute disseminated encephalomyelitis, and NMDA receptor encephalitis will be the “zebras” discussed in this lecture.
• **Mistakes You Do Not Want to Make in Pediatric Patients**  
  10/29/2019 4:30 PM - 5:30 PM  
  TU-338  
  *Faculty: Richard M. Cantor, MD, FACEP*  
  Besides the obvious challenges of children’s nonverbal clues & their having unique illnesses & presenting symptoms, the diagnosis & treatment can be full of pitfalls. The speaker will explain what key features of childhood illnesses should “raise the red flag” & how not to be missed. Key issues such as missed meningitis & appendicitis, as well as other uncommon "legal" based diagnoses will be discussed. New cases are added yearly to this popular course.

• **Tiny Waves in Tiny Tots: The Pediatric ECG**  
  10/29/2019 4:30 PM - 4:55 PM  
  TU-322  
  *Faculty: Jennifer L. White, MD*  
  Pediatric ECGs are not just little pieces of paper. The speaker will explain how & why the "normal" ECG changes over time in kids & what is always abnormal & what can be normally abnormal.

• **Newborn Resuscitation: Born but Not Breathing**  
  10/29/2019 5:00 PM - 5:30 PM  
  TU-342  
  *Faculty: Emily C. MacNeill, MD*  
  The newly born child in your department will generate a lot of attention naturally. While the vast majority of children who are born in the ED do perfectly fine on their own, occasionally things go awry. Neonatal resuscitation is distinct from resuscitation of older children & adults & deserves specific consideration. The presenter will discuss the unique anatomic & physiologic differences that exist with the newly born. The basic techniques & strategies of resuscitating a newly born patient will be covered. Potential pitfalls & pearls will also be highlighted.

• **The Pediatric Airway: When Less Is More**  
  10/30/2019 8:00 AM - 8:50 AM  
  WE-362  
  *Faculty: Emily C. MacNeill, MD*  
  The pediatric airway can induce fear in even the most experienced practitioner. The noises & substances that may emanate from this small but seemingly sinister maw can be the stuff of nightmares, often leading one to employ aggressive airway interventions to ameliorate our anxiety & avoid potential catastrophe. Is this approach really necessary in all cases? During this session an expert will provide examples of a variety of pediatric patients & their airways that may seem scary but can be served with less aggressive interventions such as simple positioning, suctioning, or even benign neglect.
Courses by Track

- **Pediatric DKA: Not Just Little People With Hyperglycemia**
  10/30/2019 10:30 AM - 10:55 AM
  WE-375
  **Faculty: Mimi Lu, MD, FACEP**
  The management of diabetic ketoacidosis is often highlighted as one of the conditions that must be managed differently than in adults. The presenter will address the variance between the management of DKA in kids compared to adults. Additionally, emphasis on pearls & potential pitfalls that should be accounted for to help avoid possible peril in the pediatric DKA patient will be made. This course will bring to light the current literature on the most efficient approach as well as illustrate useful management pearls & highlight potential pitfalls.

- **Pediatric Status Asthmaticus in 2019: What's in Your Kitchen Sink**
  10/30/2019 10:30 AM - 10:55 AM
  WE-367
  **Faculty: Emily C. MacNeill, MD**
  The severe status asthmaticus patient who is not rapidly responding to your initial therapies can be quite terrifying? What is in your kitchen sick to throw at the toxic, critically ill status asthmaticus pediatric patient? The presenter will discuss the potential techniques & tools available that may help improve the dire situation & prevent the need for intubation. The presenter will also discuss appropriate ventilation management in the event that those strategies were not successful.

- **You're Feeling Sleepy Now: Pediatric Sedation**
  10/30/2019 11:00 AM - 11:25 AM
  WE-372
  **Faculty: Genie Ellen Roosevelt, MD**
  The sedation of pediatric patients can be stressful for the busy provider while not providing sedation can be stressful & harmful for the patients & families. Ideal sedation strategies for different procedures will be explored & indications & contraindications explored. Sedation medication & pharmacology will be discussed including nitrous oxide, ketamine & other agents.

- **Pediatric Chest Pain & Syncope: Bad or Benign?**
  10/30/2019 12:30 PM - 12:55 PM
  WE-391
  **Faculty: Mimi Lu, MD, FACEP**
  Chest pain & syncope in adult patients always garner concern. The same complaint in children is less likely to be due to a significant cause. There are severe conditions in pediatric patients, however, that may present with subtle symptoms. The presenter will review the potentially life-threatening conditions that can cause children to show up in your ED with chest pain or syncope. A reasonable approach to the evaluation of these common complaints will be proposed.