Pediatric Grand Rounds

FRIDAY, DECEMBER 1, 2017
8:00am: Baruch Auditorium
284 Calhoun Street
Topic: “Clinical Update on Pediatric Pseudotumor Cerebri Syndrome”
Speaker: Jessica Klein, MD
Associate Professor
Pediatric Neurology

By: Benjamin F. Jackson, MD, Director of Procedural Sedation

Through a team approach featuring developmentally appropriate strategies such as distraction techniques, comfort holds, local anesthetics, and the involvement of engaged Certified Child Life Specialists, the MUSC Children’s ED team is dedicated to minimizing the distress of our patients (and their families) presenting with an acute injury or illness.

Facilitating Procedures, Extending Compassion

Procedural sedation is a core procedural competency of Pediatric Emergency Medicine, and each year the MUSC Children’s Emergency Department (ED) team provides sedation to approximately 500 pediatric patients who need timely performance of painful and/or distressing procedures that do not warrant operating room surgical attention and general anesthesia. Appropriate ED procedural sedation candidates are healthy patients older than 6 months of age with favorable airway, respiratory, and cardiovascular anatomy and physiology. Procedures for which ED procedural sedation is routinely provided include orthopedic reduction of fractures and dislocations, complex laceration repair, abscess incision and drainage, burn debridement, foreign body removal, joint aspiration, and lumbar puncture. It is our privilege to provide compassionate care to patients (and families) when such circumstances arise. Our procedural sedation quality and safety profile compares favorably to that published by the Pediatric Sedation Research Consortium, a roughly 50-member multi-institutional, multi-disciplinary collaborative reviewing pediatric procedural sedation practices and outcomes in which we now participate.

Attenuating Anxiety without an IV: Introducing Inhaled Nitrous Oxide

To further our commitment to compassionate care, we are excited to introduce inhaled nitrous oxide (N2O) as a non-invasive agent with anxiolytic and mild analgesic properties. For those patients whose care involves a procedural intervention causing more distress than the behavioral strategies can mitigate while not needing full intravenous sedation, inhaled N2O fills a much needed gap. Well known for its role in dental care, N2O has emerged as a well-tolerated means to facilitate procedural accomplishment with minimal side effects and rapid recovery times in the EDs and procedural areas of leading children’s hospitals. We aim to utilize N2O for the following indications in patients ≥ 2 years old:

1. Difficult IV access
2. Simple orthopaedic reductions
3. Minor laceration repair
4. Foreign body removal

Inhaled Nitrous Oxide will be available January 1, 2018!

If you have a patient with an urgent procedural need, please contact the Children’s ED and discuss the case with the Attending Physician to ensure that essential information is understood and optimal planning for procedural and sedation care is undertaken.
Pediatric Emergency Department, 843.792.1269.