

Teaching New Techniques

The CEPR's simulators are a powerful tool for teaching new techniques, procedures, and processes. The CEPR's simulators can realistically emulate the entire emergency environment, including code blue, helping to develop the skills required for rapid medical response and the knowledge needed to treat the patient safely.

Effective for Certification and Testing

The CEPR's simulation training can be useful for determining health care professionals' understanding and their adoption of best practices, appropriate use of equipment and devices, management of patient complications, and overall competence in performing a procedure.

Tailored Training

The Children's Mercy CEPR staff can tailor specific training programs to fulfill requests from community providers and area health care educators, including nursing and allied health professionals.

Medical Directors

Christopher Kennedy, MD

PEM Fellowship Director,
Associate Professor of Pediatrics,
University of Missouri-Kansas City, School of Medicine

Robert Schremmer, MD

Associate Professor of Pediatrics,
University of Missouri-Kansas City School of Medicine

Professional Staff

Amy Altergott, RN, BSN, CPN

Coordinator

Gabriel Bailey, RN, BSN

Programmer

CHILDREN'S MERCY

CENTER FOR EXCELLENCE IN PEDIATRIC RESUSCITATION

Contact Information

To learn more or to schedule time in the Center for Excellence in Pediatric Resuscitation, please call (816) 308-8562.

Hours

Monday – Friday
8 a.m. to 5 p.m.

Mobile Training: Available by Appointment

Mailing Address

Children's Mercy Hospitals and Clinics
2401 Gillham Road
Kansas City, MO 64108

Location

The Children's Mercy CEPR in partnership with the UMKC School of Nursing is located within the University of Missouri-Kansas City Health Sciences Building, Room 4418.

**Funding for the Children's Mercy CEPR was
generously provided by The Chapman Foundation.**



CHILDREN'S MERCY

CENTER FOR EXCELLENCE IN PEDIATRIC RESUSCITATION



The scene: An infant with respiratory distress has been brought to an acute care setting. A care team is quickly assembled to handle a situation that requires calm, precision, and a thorough understanding of a potentially life-threatening issue.

In this case, the infant is a high-fidelity human simulator, which the team safely and expertly treats. Through high-tech, low-risk training provided by the Children's Mercy Center for Excellence in Pediatric Resuscitation, the team is a cohesive unit capable of handling a variety of rapid-response issues.



Practice Makes Perfect

The CEPR Playroom and mobile training unit offers many benefits, enabling health care professionals and students to practice relevant pediatric scenarios and acquire basic pediatric care skills. Specifically, it can support health care students and professionals in:

- Improving teamwork and building team-leading skills
- Enhancing communication skills
- Developing and improving critical-thinking skills
- Practicing new procedures or testing new equipment
- Enhancing medication administration safety
- Administering medications based on pediatric dosing
- Improving patient assessment and bedside decision making
- Enhancing competency-based assessment skills
- Practicing infrequently used emergency treatment skills



The Children's Mercy CEPR program, in combination with traditional training methods, provides a comprehensive learning opportunity. Additionally, the simulators are a resource for training a team of individuals and for providing a more interactive environment.



Risk-Free Environment for Improving Patient Safety

Using the CEPR's simulators, medical students, residents, and practicing physicians learn treatment protocols and master basic and procedural skills before touching a real patient.

Physicians review, repeat, and reassess their performance and find areas for improvement without compromising patient safety. Anatomy looks real and responds appropriately.

Variety in Clinical Scenarios

The CEPR's simulators provide immediate training opportunities, which are treated as real life exercises. They allow easy access to a variety of clinical scenarios, including complications that allow trainees to benefit from observing the reasoning of an acknowledged expert as they work through difficult situations.

"The Children's Mercy Center for Excellence in Pediatric Resuscitation (CEPR) brings to life what is needed for true practice of skills. It is a clinical atmosphere of similar intensity without the worry of harm to a live patient. You can redo the skill until it feels 'right.' It also helps the provider to actually review how they practiced."

Laura Fitzmaurice, MD

Associate Executive Medical Director,
Chief Medical Information Officer,
Children's Mercy Hospitals and Clinics

A Quantum Leap in Pediatric Emergency Medical Training at Children's Mercy

As part of its commitment to excellence in pediatric health care, Children's Mercy has developed a state-of-the-art Center for Excellence in Pediatric Resuscitation (CEPR) to support health care trainees and professionals in developing and enhancing skills required to provide medical assessment and treatment of children in emergency situations.

The Children's Mercy CEPR is twofold– the living laboratory "Playroom" includes realistic medical spaces that replicate trauma and exam rooms. Computer-controlled, child-sized mannequins are used to simulate medical conditions and scenarios by displaying lifelike medical symptoms and real-time physiological responses. This environment provides a superior learning experience for health care professionals.

In addition, the CEPR is mobile and can provide simulation training for pediatric and neonatal emergency care to other hospitals, primary care physician offices, and other health care providers. Computer-controlled mannequins are utilized for the mobile training, providing participants with a real life, "hands on" experience.