Division Summary

RESEARCH AND TRAINING DETAILS
Number of Faculty: 11
Number of Support Personnel: 20
Direct Annual Grant Support: $1,121,948
Peer Reviewed Publications: 22

CLINICAL ACTIVITIES AND TRAINING
Number of Clinical Staff: 10
Number of Clinical Fellows: 14
Number of Other Students: 1
Inpatient Encounters: 8,819

Significant Accomplishments

The Divisional Teaching Award
Critical Care Medicine received the Divisional Teaching Award from the senior pediatric residents at Cincinnati Children’s. This award is given annually to the division that has contributed the most to pediatric residency education.

The Heartpedia Interactive App
Our Critical Care Media Lab developed the Heartpedia interactive app, which was released to the public in 2014. The Media Lab also released a series of animated illustrations of congenital heart defects. The Media Lab team members are Ken Tegtmeyer, MD, and medical animators Jeff Cimprich and Ren Wilkey.

Nearly 60% reduction in Serious Harm Events
Critical Care Medicine and the entire PICU team collaborated to reduce incidents of preventable serious harm in FY14, including ventilator-associated pneumonia (VAP), catheter-associated urinary tract infections (CAUTI), central line-associated bloodstream infections (CLABSI), and pressure ulcers. The focus was on daily multidisciplinary Safety Leadership Rounds and Prevention Standards compliance, including daily discussion of each patient’s risks for harm. Events of harm decreased from 27 in FY 2013 to 11 in FY 2014, the lowest for the PICU in four years.

Division Publications


Faculty, Staff, and Trainees

Faculty Members

Hector Wong, MD, Professor
  Leadership Director
  Research Interests Septic shock, Genomics, Biomarkers

Ranjit Chima, MD, Assistant Professor
  Research Interests Bone Marrow Transplantation-Associated Critical Illness ECLS Glucose Homeostasis

Lesley Doughty, MD, Associate Professor
  Leadership Fellowship Director
  Research Interests Sepsis, viral infections & mechanical ventilation

Jennifer Kaplan, MD, MS, Associate Professor
  Research Interests Sepsis, obesity and inflammation

Sue E. Poynter, MD, Assistant Professor
  Leadership Medical Director Division of Respiratory Care; Associate Director Pediatric Residency Training Program
  Research Interests Medical education, residency & fellowship training

Erika Stalets, MD, Assistant Professor
  Leadership Medical Director
  Research Interests Quality improvement, patient safety and sepsis

Ken Tegtmeyer, MD, Professor
  Leadership Chair Code Committee
  Research Interests Multimedia Medical Education

Rajit Basu, MD, Assistant Professor
  Research Interests Phenotype and recognition of kidney injury, end of life care

Derek S. Wheeler, MD, Associate Professor
  Leadership Associate Chief of Staff
  Research Interests Patient safety, healthcare administration
Basilia Zingarelli, MD, Ph.D., Associate Professor

Leadership Director of Basic Science Research

Research Interests Sepsis, hemorrhage and ischemia and reperfusion injury

Brian Varisco, MD, Assistant Professor

Research Interests Mechanisms of lung development, repair and regeneration

Joint Appointment Faculty Members

Bradley Marino, MD, Associate Professor (Cardiology)

Research Interests Long-term outcomes in children and adolescents with CHD, Resuscitation of children with CHD

Trainees

- William Hanna, MD, PL-7, University of Kentucky College of Medicine
- Danielle Webster, MD, PL-7, University of Missouri - Kansas City
- Matthew Alder, MD, PL-6, University of Alabama School of Medicine
- Theodore DeMartini, MD, PL-6, University of Texas Medical Branch
- Hammad Ganatra, MD, PL-5, Aga Khan Medical College
- Yu Inata, MD, PL-5, Osaka City University
- Laura Kitzmiller, MD, PL-5, Wayne State University School of Medicine
- Travis Langner, MD, PL-6, University of Kansas School of Medicine
- Mary Sandquist, MD, PL-5, Ohio State University College of Medicine
- Claire Stewart, MD, PL-5, Ohio State University College of Medicine
- Kamal Abulebda, MD, PL-7, University of Aleppo, Syrian Republic
- Aaron Gardner, MD, PL-8, St. George's University
- Shilpa Shah, MD, PL-8, The University of Texas Medical Branch
- Katja Gist, MD, PL-9, University of New England College of Osteopathic Medicine

Grants, Contracts, and Industry Agreements

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<td>Approaches and Decisions for Acute Pediatric TBI (ADAPT)</td>
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<td>Multi-Center Trial of Limiting PGY 2&amp;3 Resident Work Hours in the PICU</td>
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<tr>
<td><strong>WONG, H</strong></td>
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<td>MMP-8 as a Novel Therapeutic Target in Sepsis</td>
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<td>Novel Diagnostic and Stratification Tools for Septic Shock</td>
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<td>Stratification of Pediatric Septic Shock</td>
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<td><strong>ZINGARELLI, B</strong></td>
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<td>PPARgamma and PPARgamma Agonists in Septic Shock</td>
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