Division Details

Division Data Summary

Research and Training Details

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Number of Faculty</td>
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<td>Number of Joint Appointment Faculty</td>
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<td>Number of Research Fellows</td>
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<td>Number of Research Students</td>
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<td>Number of Support Personnel</td>
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<tr>
<td>Direct Annual Grant Support</td>
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<tr>
<td>Direct Annual Industry Support</td>
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<tr>
<td>Peer Reviewed Publications</td>
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Clinical Activities and Training

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<td>Number of Clinical Staff</td>
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<tr>
<td>Number of Clinical Fellows</td>
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<td>Number of Clinical Students</td>
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<td>Number of Other Students</td>
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<td>Inpatient Encounters</td>
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<td>Outpatient Encounters</td>
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Significant Accomplishments

Record Year for Academic Productivity and Awards

Our faculty delivered 78 lectures nationally and internationally, and authored 55 review articles and book chapters – a 300 percent increase. Faculty members also presented 27 research abstracts at national and international meetings, authored 25 research papers in peer reviewed journals, and were awarded 15 extramural research grants. The Family Advisory council recognized Melissa Neeplo, RN, Anna Varughese, MD, Alex Szabova, MD, Paul Samuels, MD, Joseph Previte, MD, Andreas Loepke, MD, PhD, and Lynn Kling, RN, for exemplary patient-centered care. Mike Jankowski, PhD, received the Rita Allen American Pain Society Scholarship for research in pediatric pain. The Society for Pediatric Anesthesia awarded Chris Ward, MD, first prize for his research study on anesthetic neurotoxicity. The journal *Pediatric Anesthesia* bestowed upon Anna Varughese, MD, Nancy Hagerman, MD, and Dean Kurth, MD, the best paper of the year award for their article entitled “Quality in pediatric anesthesia.”

Launched First of its Kind Telemedicine Program

We launched a telemedicine program in neurophysiological monitoring for orthopedic spine surgery and neurosurgery, the first of its kind for a pediatric anesthesiology department, led by John McAuliffe, MD, MBA, Lisa Francis, DO, and Mohamed Mahmoud, MD. The telemedicine program enabled the neuromonitoring
anesthesiologists to deliver clinical care and bill for services at an outside hospital while at Cincinnati Children’s. The program expanded the clinical activity in neuromonitoring by 125 percent, diversified the type of patient and surgical procedures being monitored, and enhanced the skills of the neuromonitoring anesthesiologists.

**Major steps in our Training Programs**

The ACGME approved our Pediatric Pain Medicine and Palliative Care fellowships, making us unique among children’s hospitals to have such advanced fellowship programs. We created a two-year Chinese pediatric anesthesia research fellowship to develop research collaboration with several medical centers in China, led by our program director, Junzheng Wu, MD, and scientists Steve Danzer, PhD, Andreas Loepke, MD, PhD, and Senthil Sadhasivam, MD. We recruited three fellows from Shanghai and Wenzhou to start in FY13.

**Division Publications**

17. Guite JW, McCue RL, Sherkler JL, Sherry DD, Rose JB. *Relationships among pain, protective parental*


39. Meyer MJ, Weidner NJ. Do not Resuscitate Orders in the OR. *Clinical Pediatric Anesthesia: A Case-Based...*


Faculty, Staff, and Trainees

Faculty Members

C. Dean Kurth, MD, Professor

  **Leadership** Anesthesiologist-in-Chief and Chair, Department of Anesthesia

Elena Adler, MD, Adjunct

  **Leadership** Medical Director, Anesthesia Supply Chain, Division of Anesthesia

Nancy Andersen, MD, Adjunct

Lori Aronson, MD, Adjunct

Anne Boat, MD, Assistant Professor

  **Leadership** Director, Fetal Surgery Team, Division of Anesthesia

Vidya Chidambaran, MD, Assistant Professor

Smokey Clay, MD, Assistant Professor

Steve Danzer, PhD, Assistant Professor

Hilary Flint, DO, Assistant Professor

Lisa Francis, DO, Assistant Professor

Kenneth Goldschneider, MD, Associate Professor

  **Leadership** Director, Medical Pain Service and Chronic Pain Clinic, Division of Pain Management

Diane Gordon, MD, Adjunct

Joel Gunter, MD, Professor

Nancy Hagerman, MD, Adjunct

  **Leadership** Co-Medical Director, Same Day Surgery and Pre-Anesthesia Consultation Clinic, Division of Anesthesia

Elizabeth Hein, MD, Adjunct

Liana Hosu, MD, Adjunct

George Istaphanous, MD, Assistant Professor

Michael Jankowski, MD, Assistant Professor

Thomas Kabalin, MD, Associate Professor

Michael "Jack" Kibelbek, MD, Adjunct
Norbert Weidner, MD, Associate Professor
  Leadership Director, Palliative Care and Comfort Team, Division of Pain Management

Eric Wittkugel, MD, Associate Professor
Junzheng Wu, MD, Assistant Professor

Joint Appointment Faculty Members
Susmita Kashikar-Zuck, PhD, Associate Professor (Behavioral Medicine & Clinical Psychology)
Anne Lynch-Jordan, PhD, Assistant Professor (Behavioral Medicine & Clinical Psychology)

Clinical Staff Members
  - Clifford Hoffmann, MD,
    Staff Anesthesiologist

Trainees
  - Travis Bond, MD, PGY-V, University of Utah, Salt Lake City, UT
  - Veronica Busso, MD, PGY-V, Johns Hopkins Hospital, Baltimore, MD
  - Manoj Dalmia, MD, PGY-V, Beth Israel, Boston, MA
  - Sonia Deshmukh, MD, PGY-V, University of Florida/Shads, Gainesville, FL
  - John Erkmann, MD, PGY-V, St. Louis University Hospital, St. Louis, MO
  - Jonathan Jerman, MD, PGY-V, University of Florida/Shads, Gainesville, FL
  - Matthew Keller, MD, PGY-V, Penn State-Hershey, Hershey, PA
  - Rachel Koll, MD, PGY-V, University of Utah, Salt Lake City, UT
  - Susan Rooksby, MD, PGY-V, VA Commonwealth, Richmond, VA
  - Rajeev Subramanyan, MD, PGY-IX, Hospital for Sick Children, Toronto, Canada
  - William Worden, MD, PGY-V, Brigham & Women’s Hospital, Boston, MA

Division Collaboration

Department of Radiology; Pulmonary Medicine » Blaise Jones, MD, Alan Brody, MD, Raouf Amin, MD,
Mohamed Mahmoud, MD, and Mario Patino, MD
  Investigative airway dynamics in healthy and obstructive sleep apnea with anesthesia and sedation.

Neurology; Orthopedics » Douglas Rose, MD, Hansel Greiner, MD, Peter Sturm, MD, and John McAuliffe, MD
  Investigate anesthetics in neurophysiological signals during surgery.

Emergency Department; Critical Care » Benjamin Kerrey, MD, Kenneth Tegtmeyer, MD, Joseph Luria, MD, Riad Lufti, MD, and Paul Samuels, MD
  Investigate learning and competency of intubation skills

Developmental Biology; Neurology » Katherine Holland, MD, Michael Williams, MD, Chris Vorhees, MD, Steve Danzer, PhD, David Richards, PhD, and Mike Jankowski, PhD
  Investigate mechanisms of autism and epilepsy
  Investigate Neurotransmission
  Investigate Chronic Pain

Behavioral Medicine and Clinical Psychology » Anne Lynch-Jordan, MD, Susmita Kashikar-Zuck, MD, and Kenneth Goldschneider, MD
  Investigate chronic pain in children
Clinical Pharmacology; Center for Autoimmune Genomics and Etiology; Orthopedics; Human Genetics; 
**Otolaryngology** » Sander Vinks, PhD, John Harley, MD, Paul Willging, MD, Peter Sturm, MD, Keijan Zhang, MD, Senthilkumar Sadhasivam, MD, and Vidya Chidambaran, MD
  Investigate pharmacogenetics of anesthetics and analgesics

**Otolaryngology** » Paul Willging, MD, Anna Varughese, MD, and Nancy Hagerman, MD
  Investigate pre-operative factors on postoperative outcomes

**Heart Institute** » Russel Hirsch, MD and Renee Kreeger, MD
  Investigate cerebral oxygenation during congenital heart disease

**Heart Institute** » Peter Manning, MD and Jayant (Nick) Pratap, MD
  Investigate cerebral oxygenation during congenital heart disease

**Heart Institute** » Thomas Kimball, MD, Foong - Yen Lim, MD, and Pornswan Ngamprasertwong, MD

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### Grants, Contracts, and Industry Agreements

**Grant and Contract Awards**

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<td>Contributions of Aberrant Granule Cells Integration to the Development of Epilepsy</td>
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<td>mTOR Regulation of Hippocampal Granule Cell Pathology in Temporal Lobe Epilepsy</td>
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<td><strong>SADHASIVAM, S</strong></td>
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<td><strong>WARD, G</strong></td>
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## Role of Neuronal Maturation in Anesthesia-Induced Apoptosis

**Foundation for Anesthesia Education & Research**

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<td>TOMASSON, J</td>
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