

TITLE: Division of Pediatric Anesthesiology at University Hospitals Case Medical Center and Rainbow Babies and Children's Hospital

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ABSTRACT BODY:

History: Rainbow Babies and Children's Hospital in Cleveland, Ohio is an internationally renowned children's hospital that was founded in 1887 as "Rainbow Cottage." It has since built its reputation as one of America's leading children's hospitals, with accolades that include top 10 rankings in *Child Magazine* and *U.S. News & World Report*. Over 800 pediatric specialists meet the unique medical needs of children with more than 128,000 visits and 8,000 hospitalizations each year at the 244 bed facility, which is located on the campus of University Hospitals Case Medical Center. Rainbow ranks among the top children's hospitals in the nation in total NIH research funding and is distinguished for its patient care and research in the areas of cystic fibrosis, asthma, sleep disorders, hematology/oncology, neonatal intensive care, pharmacology, and minimally invasive neurosurgery.

The Division of Pediatric Anesthesiology was formed within the Department of Anesthesiology at University Hospitals of Cleveland in 1996. Since then it has expanded to include an ACGME approved fellowship in pediatric anesthesiology and staffing that allows for 24 hour comprehensive anesthesia care by pediatric anesthesiologists. Recent and ongoing clinical research includes investigations of anesthetic sensitivity in children with mitochondrial defects, impact of parental presence at induction, addition of clonidine to bupivacaine for caudal analgesia, and mitigation of bleeding during posterior spinal fusion.

Demographics: Over 6,000 surgical procedures are performed each year in the Elisabeth Severance Prentiss Pediatric Surgery Center, which includes nine dedicated pediatric operating rooms. Approximate numbers of surgeries in the past year include 140 cardiac with cardiopulmonary bypass, 50 intra-thoracic, 120 intracranial, 100 major orthopedic, 30 craniofacial, 50 cleft lip/palate, 250 airway, 10 solid organ transplants, and 200 neonatal. Rainbow has a level 1 trauma designation, which provides a full spectrum of trauma surgeries. Approximate numbers of anesthetic interventions include over 6000 general anesthetics, 650 epidurals/caudals, 60 spinals, and 30 peripheral nerve blocks. Activities outside of the surgery center include sedation/anesthesia in other hospital locations, pain management, and collaboration with pediatric intensivists.

Staff Anesthesiologists: Paul Tripi, M.D., Chief; John Stork, M.D., Chief of Cardiothoracic Anesthesia; Anjali Adur, M.B.B.S.; Maura Berkelhamer, M.D.; Mark Goldfinger, M.D.; Sheryl Modlin, M.D.; and Phil Morgan, M.D.

Training Offered: The Division of Pediatric Anesthesiology offers two positions at the CA-4 level in an A.C.G.M.E. approved fellowship for one year. Faculty also provide pediatric anesthesiology training for the 36 residents in anesthesiology at University Hospitals Case Medical Center.