

Title: Pediatric Anesthesia at Arkansas Children's Hospital

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ABSTRACT BODY: Arkansas Children's Hospital (ACH), a place of care, love and hope, is a non-profit, private hospital, dedicated to helping children live healthy and productive lives. It is the only pediatric hospital in Arkansas and one of the largest in the country. The staff consists of more than 500 physicians and a 3,500 member support staff. The campus spans 26 city blocks and has a floor space totaling over 1,200,000 square feet. In the last year, the emergency room, outpatient and specialty clinics had more than 250,000 visits from children, not only from Arkansas, but throughout the world. The hospital has many one-of-a-kind pediatric specialists and is licensed for 280 beds.

Arkansas Children's Hospital is home to the only dedicated Burn Center in the state treating adults and children. There are around 200 severe burns treated in the center yearly, excluding the patients seen in the burn clinic or on outpatient basis.

Anesthesiology services Our pediatric anesthesia department includes 28 board certified, pediatric fellowship trained anesthesiologists and 3 CRNAs that perform around 13,500 procedures each year. ACH has a total of 14 operating rooms including 2 dedicated to cardiovascular patients, two catheterization labs, and two GI lab rooms. Additionally anesthesia provides sedation services for 3 MRI suites (equipped with preoperative and post-anesthesia care units), two bone scans, interventional radiology suite, two CT scans and radiation oncology. The Pediatric Pain Management Service provides care for acute and chronic pain patients. Over 600 cardiac cases are performed each year.

ACH has an accredited Pediatric Anesthesia Fellowship since 1997, currently approved for 4 pediatric anesthesia fellows. Monthly 5-6 anesthesiology residents have their pediatric anesthesia rotation at ACH. During their rotation the residents have:

- daily morning lectures on pediatric anesthesia topics;
- weekly Grand Rounds with the UAMS Department of Anesthesiology;
- monthly Pediatric Anesthesia journal clubs;
- monthly Crisis Risk Management simulation sessions at the PULSE center and
- monthly mortality and morbidity conferences.

Neonatology has a 65 bassinet unit with capacity to care for more than 80 patients . It is the only NICU in the state of Arkansas with ECMO capabilities and is the only NICU to participate in the "Head-Cooling for the Treatment of Perinatal Hypoxic-Ischemic Encephalopathy" study and the new Continuation Access Protocol.

Pediatric Intensive Care Unit has 22 private patient rooms that include daybeds for parents. Each patient room is equipped for ventilator support, dialysis treatment and controlled airflow that minimizes the spread of airborne infections. Also include 4 private isolation rooms, 2 private multi-purpose suites and 4-bed semi-private observation area.

Cardiovascular Intensive Care Unit:

This 25-bed David Clark Heart Center is an area dedicated to the care of patients with cardiac disease. The Center includes 12 ICU beds, 10 medical/telemetry beds and 3 ECMO beds.

ACH is one of only two hospitals in America that can fly an ECMO patient.

PULSE (Pediatric Understanding and Learning through Simulation Experience) center is the newest addition to our campus. As the name implies the PULSE Center is dedicated to excellence in pediatric healthcare by advancing patient safety and improving multidisciplinary team performance through use of simulation education. The center includes 4 clinical exam rooms, two fully-equipped medical simulation theaters, debriefing and observation rooms.

Arkansas Children's Hospital is located in the capital of the state, Little Rock, a metropolitan area with over 350,000 people. Little Rock is home to Clinton presidential Library and to museums, Broadway shows, art galleries, theaters, symphonies. The Natural State abounds with outdoor activities if you like biking, fishing, hiking, kayaking or playing golf.