

**Title: A.I. duPont Hospital for Children**

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**Affiliation(s): Thomas Jefferson University School of Medicine**

### **History of the Institution**

**"It has been my firm conviction throughout life that it is the duty of everyone in the world to do what is within his power to alleviate human suffering. It is, therefore, natural that I should desire, after having made provision for the immediate members of my family and others whom I have seen fit to remember, that the remaining portion of my estate be utilized for charitable needs." - Alfred I. duPont**

With these words, recorded in his will, Alfred I. duPont provided for the establishment of the Nemours Foundation. In 1940, Nemours opened its first health care institution, the Alfred I. duPont Institute, a 40 bed Orthopedic facility for crippled Children in Wilmington, Delaware. Now named the Alfred I. duPont Hospital for Children, we have served thousands of children from across the country and around the world since our inception. Beginning in 1984, the Nemours Foundation expanded its mission to provide full service tertiary pediatric care with steady expansion over the last decade to 180-beds. As a full service hospital, A.I. duPont Hospital for Children offers care in more than 30 pediatric disciplines- with over 250 Board Certified Pediatric specialists on staff.

### **Demographics**

- Greater than 10,000 cases in 2006
- More than 200 cardiac pump and cath cases
- Two Short Procedure Rooms
- One GI Endoscopy Suite
- Anesthesia and Sedation locations in Diagnostic Radiology (CT & MRI) and Interventional Radiology and Nuclear Medicine and Cardiac catheterization lab
- Active Acute Pain management

- All types of pediatric surgical subspecialties, neonatal surgery, general surgery, orthopedics, cardiac surgery, solid organ transplant, (liver and kidney including both living related and cadaver), neurosurgery, ENT, Ophthalmic Surgery, Urology, Hem-Oncology procedures, oro-maxillo-facial surgeries, plastic surgery, pulmonary procedures
- 24 hour coverage of Emergency cases, Level 3 Trauma Center designation in 2006
- The Department provides Anesthesiology Services to partnering Institutions in Delaware and Pennsylvania.
- 70% of OR cases done as same day surgery.

**Department of Anesthesiology and Critical Care Medicine:**

**Staff Anesthesiologists:**

Andrew T. Costarino, Jr., MD Chairman

Alfred T. Dorsey, MD – Division Chief

Lynda Arai, MD

B. Randall Brenn, MD

Robert P. Brislin, DO

Dinesh Choudhry, MD

Sabina DiCindio, DO

Divya Dixit, MD

Mary Festa, DO

Phoebe Fisher, MD

Judith Jones, MD

Henry H. Khine, MD

X. Sharon Luo, MD

Kristin E. Meyer, MD

Susmita Nesargi, MD

Wagdy B. Sedrak, MD

Iris E. Soliman, MD

Mary C. Theroux, MD

Samuel E. Wilson, MD

**Cardiac Anesthesiologists:**

Russell Raphaely, MD

Deborah Davis, MD

Ellen Spurrier, MD

Training in Pediatric Anesthesiology

### **1) Pediatric Anesthesiology Fellowships**

The Department of Anesthesiology and Critical Care Medicine offers a one-year fellowship in Pediatric Anesthesiology under the academic auspices of Jefferson Medical College. The Fellowship is open to candidates who have completed an ACGME accredited residency in Anesthesiology. The Fellows receive clinical training primarily at the Alfred I. Dupont Hospital for Children campus, in addition to select neonatal surgical cases at Thomas Jefferson University Hospital. During the year the Fellows rotate through general pediatric anesthesia as well as pediatric cardiac anesthesia/ Cardiac Care Unit, PICU, Pediatric Pain Service, and Pre-surgical Clinic. Department Faculty and Research Faculty provide guidance in clinical and basic science research according to Fellow's interest and experience. In addition to the Pediatric Anesthesia Fellow, our Department has three Pediatric Critical Care Medicine Fellows enrolled in a three year Fellowship.

### **2) Pediatric Anesthesia Rotation for CA-2 and CA-3 Anesthesiology Residents and SRNA's**

CA-2 and CA-3 residents rotate for 2-3 months and receive education and training in the fundamentals of Pediatric Anesthesia, including basic pediatric airway management, pediatric pharmacology and physiology, and the conduct of routine and emergent pediatric anesthetics. . In addition to clinical training, residents receive didactic education in morning lectures and Departmental Grand Rounds and conferences. Clinical supervision and didactic content are provided by Staff Anesthesiologists.

### **3) Pediatric Anesthesia Training for Non-Anesthesia Trainees**

The Department provides Pediatric Anesthesia experience for other trainees. These included Fellows in Pediatric Critical Care Medicine. Pediatric Emergency Medicine Fellows and residents from Jefferson University Hospital, Oral Surgery residents, Pediatric Residents, and Nurses from our Department's Inter-hospital Transport Team.

**Areas of Special Interest:**

Alfred I. duPont Hospital for Children originally chartered to care for children with orthopedic disability is well known for care of children with skeletal dysplasia and cerebral palsy. The chairman of the department of Orthopedics serves as a Medical Director of “Little People of America” which is a non-profit organization that provide support and information to people of short stature and their families. In addition, Alfred I. duPont has organized its care of children with congenital heart disease into a comprehensive Cardiac Center with Surgeons, Anesthesiologists and Cardiologists collaborating with other disciplines into a cohesive stand-alone program and other areas of interest include minimally invasive general surgery, endoscopic neurosurgery and obesity management program.