



The Children's Hospital of Philadelphia®

## **AirEquip Pediatric Airway Program**

Department of Anesthesiology and Critical Care medicine

**Program Leadership:** John Fiadjoe MD, Associate Professor of Anesthesiology & Critical Care

**Program Faculty:** Brian Struyk, MD; Grace Hsu, MD; Dean Bruins, MD; Chris Ward, MD  
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**Research Coordinators:** Kenneth Peeples, MSW; Paula Hu RN, MSPH

**Mission:** We make pediatric airway management safer

**Program:** The AirEquip program focusses on the mission of making pediatric airway management safer by **1.** Teaching clinicians best practices at workshops and courses **2.** Conducting innovative multicenter research studies **3.** Implementing Quality Improvement initiatives to enhance the safety of airway management. The AirEquip program houses the international Pediatric Difficult Intubation (PeDI) registry at CHOP.

**2 yr Research Fellowship:** This fellowship will teach candidates a process to develop meaningful airway related research questions. The candidate will participate in biweekly program meetings and participate in ongoing research studies (currently a prospective randomized study comparing VL to DL in infants). The candidate will meet with the statistics team regularly and will be able to report their study progress. At the end of the fellowship the candidate will be expected to submit their project for publication in the following journals (Pediatric Anesthesia, Anesthesia & Analgesia, British Journal of Anesthesiology, Anesthesiology). Candidates will observe advanced airway techniques and complicated airway surgery in the operating room as part of the fellowship.

**Certificate Program:** Candidates will be introduced to the basics of advanced airway management through lectures, operating room observations and manikin based hands on workshops. Candidates will be expected to master fiberoptic intubation techniques using a haptic simulator. The program will include a half day intense training using anesthetized pigs. The program can be tailored for 2 weeks to 1 month, at the end of this program candidates will have been introduced to all advanced airway techniques including invasive airway access.

**International in Country Workshops:** The AirEquip Team conducts international pediatric airway training workshops all over the world. The team has conducted workshops in Mexico, Canada, USA and has upcoming workshops in Edinburgh, UK and South Africa. Participants will learn the basics of pediatric difficult airway management including Fiberoptic Freehand intubation, Fiberoptic through a Laryngeal Mask, Videolaryngoscopy, and Emergency Surgical Airway. In addition, participants will learn about human factors that impact airway management and participate in real world case discussions in small groups.