

## *Pediatric Cardiac Anesthesia Fellowship*

**DURATION:** 2 years  
(First year dedicated to general pediatric anesthesia and second year dedicated to pediatric cardiac anesthesia.)

**NUMBER OF POSITIONS:** 1

**FELLOWSHIP SUPERVISOR:** Dr. Vincent Collard (Anesthesia Fellow Coordinator)  
Dr. Josée Lavoie (Director, Pediatric Cardiac Anesthesia)

**HOSPITAL:** The Montreal Children's Hospital

**RESEARCH:**  
Research activities in the department are directed by Dr. D. Withington (Research Director). One day per week is reserved for research activities and other academic endeavors.

**MISSION STATEMENT:**  
To provide clinical and research training towards comprehensive academic knowledge of the field of pediatric cardiac anesthesia and clinical proficiency in providing the highest standard of anesthetic care for pediatric cardiac patients.

**DESCRIPTION:**  
The Montreal Children's Hospital is a teaching and research center located in the vibrant and beautiful city of Montreal. We care for patients from birth to age 18 years with a high proportion of infants and neonates. We also care for a small population of adult patients with congenital heart disease. This is a 2-year fellowship with the first year being dedicated to acquiring general pediatric anesthesia experience and skills. During this year, there will be increasing exposure to neonatal anesthesia and anesthesia for the cardiac patient undergoing non-cardiac surgery. The second year of the fellowship will be dedicated to the practice of cardiac anesthesia in various environments such as the cardiac surgical operating room, the magnetic resonance imaging suite (cardiac magnetic resonance angiography), and the catheterization laboratory. Transesophageal echocardiography is used on nearly all of our cardiac surgical patients. The entire spectrum of cardiac surgical procedures is performed at the Montreal Children's Hospital including heart transplantation, implantation of ventricular assist devices, interventional cardiac catheterization and major neonatal surgery (arterial switch operation, Norwood procedure, etc...)

***The trainee is expected to:***

- Perform clinical work under the supervision of the staff anesthesiologists. (Dr. Karen Brown, Dr. Natalie Buu, Dr. Ruben Carranza, Dr. Vincent Collard, Dr. Annie V. Coté, Dr. Joëlle Desparmet, Dr. Pierre Fiset, Dr. Chantal Frigon, Dr. Kristine Klubien, Dr. Ivana Kocur, Dr. Indrani Lakheeram, Dr. Josée Lavoie, Dr. Catherine Paquet, Dr. Teresa Valois, and Dr. Davinia Withington)

- Perform call duties:
  - First year:     **Second Call:** maximum of 8 Second Calls per month. Second Call begins at 15:30 on weekdays, and 7:00 on weekends
  - Stat Weekends:** Maximum of 3 stat holiday weekends in 12 months.
  
- Second year: Home call for pediatric cardiac anesthesia: cover one week per month including weekend.
  
- Participation in Monday Morning Departmental Rounds, Thursday Morning Resident/Fellow Teaching Rounds and McGill Department of Anesthesia Journal Club. Multidisciplinary meetings are held weekly to discuss upcoming cardiac surgical patients. The cardiac anesthesia and surgery teams are dynamic and innovative
  
- Support will be provided to allow the candidate to attend a scientific meeting to present a paper or scientific exhibit subject to the following:
  - research carried out by the Fellow whilst in the Department of Anaesthesia at The Montreal Children's Hospital
  - meeting shall be approved by the Department
  
- The fellows will have access to the McGill University, Montreal Children's Hospital and Departmental libraries. The fellow will also have access to a computer.

**PEDIATRIC CARDIAC ANESTHESIA SERVICE COMPONENT:**

1. Fellows will spend Tuesdays and Thursdays in the cardiac room.
2. Under the supervision of the staff cardiac anesthesiologists (Dr. Karen Brown, Dr. Vincent Collard, Dr. Annie V. Coté, Dr. Josée Lavoie)
3. Responsibilities during the Cardiac component:
  - Attend Monday afternoon joint Cardiology – CVT Rounds. Review patients for upcoming week
  - Preoperative assessment of patients in the Alternative Care Module.
  - Input patient data into the Pediatric Cardiac Anesthesia database.
  - Attend the Cardiology - CVT M&M Rounds. The third Monday of each month.
  - Catheterization laboratory
  - Echo Rotation
  - Home-Call for Pediatric Cardiac Anesthesia: Cover one week per month including weekend.
  - Teaching/Presentations: Monday Morning Rounds, mentor Dr. Josée Lavoie (twice/year)
  - Prepare 1 protocol for the Pediatric Cardiac Anesthesia Program, mentor Dr. Josée Lavoie or staff cardiac anesthesiologist.
  - Participate in one research or scholarly project