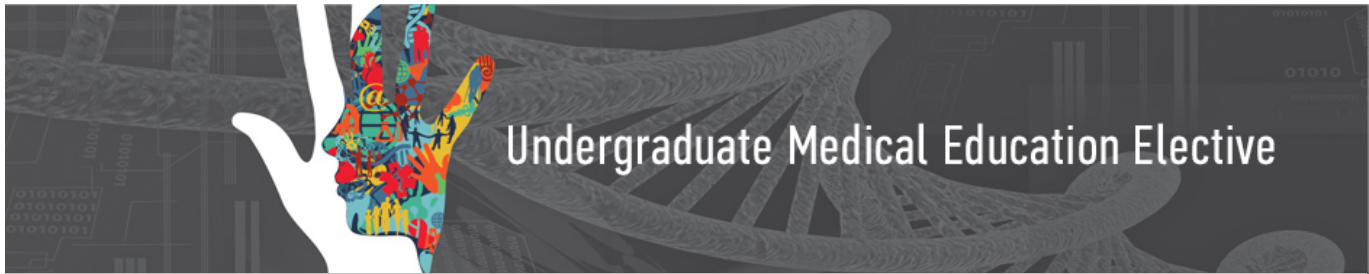




Pediatric Cardiac Surgery			
Contact Information			
Supervisor	Dr. Pierre-Luc Bernier	Telephone	(514) 934-1934, x 37063
Coordinator	Mrs. Kathy Roussis	E-mail	cardiacresidency.med@mcgill.ca
Site			
Montreal Children's Hospital			
Elective Description			
Available to one student.			
<p>Students participate with the surgical residents in the evaluation and management of congenital cardiovascular surgical diseases. They work up patients on the ward and in the clinic and follow them to the operating room.</p> <p>This elective provides a complete exposure to congenital pediatric and adult cardiac surgical care (pre-operative clinics, inpatient ICU care, inpatient ward care, operating room). Students therefore have the opportunity to become familiar with postoperative care, inpatient management, intensive monitoring, and operative surgical techniques. In the clinic, they participate in the assessment of new patients and observe the results of patients previously operated.</p> <p>Our congenital cardiac surgery service works in close collaboration with the Department of Anesthesia, Critical care, Cardiology, and advanced cardiac imaging. Students can also learn from these regular consultants. This elective is an excellent opportunity to learn cardiac physiology and cardiac anatomy. It is an excellent introduction to pediatric care.</p> <p>Research electives involving clinical review of patient material in cardiac surgery are also available.</p>			
Elective Duration			
2-4 weeks			
Educational Objectives			
<ol style="list-style-type: none"> 1- Learn basic cardiac embryology and congenital anatomical cardiac malformations 2- Learn indications for pediatric and congenital cardiac surgical interventions 3- Learn optimal pre-operative and post-operative management of congenital cardiac surgery patients 4- Be exposed to pediatric congenital cardiac surgery procedures 			



- 5- Learn basic suturing techniques
- 6- Be exposed to cardiac care in a multidisciplinary setting
- 7- Learn the management of pediatric cardiac surgery patients in an outpatient setting

Prerequisites

No specific prerequisite.

Scope of Work

- Rounds with residents on the ward
- Exposure to clinics under attending and resident supervision
- Participation to multidisciplinary clinical and academic meetings/rounds
- Observation in the operating room of pediatric and adult congenital cardiac surgeries

Recommended Reading/Preparation

Core Topics in Congenital Cardiac Surgery, by David J. Barron.

Pediatric Cardiac Surgery, by Constantine Mavroudis, Richid F. Idriss, Carl Backer.

Key Questions in Cardiac Surgery, by Narain Moorjani, Nicola Viola and Sunil K. Ohri.



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