



THE HOSPITAL FOR
SICK CHILDREN

Department of
Critical Care Medicine

SickKids ECLS Critical Care Fellowship - Overview of Proposed Educational Curriculum

PREAMBLE

This is one year of advanced clinical training with a focus in Paediatric Extracorporeal Life Support in Critical Care medicine offered to physicians who are eligible to be certified to practice in paediatric critical care medicine (PCCM) or cardiovascular surgery. In the following document, we describe the program for PCCM candidates and in a separate document, the cardiovascular surgery.

ELIGIBILITY OF APPLICANTS

In order to be eligible to be considered for this advance training program, physicians must be on track to have completed their minimal requirement for certification of PCCM residency at the time of beginning the 12 months of training. For trainees of PCCM programs accredited in Canada by the Royal College of Physicians of Canada (RCPSC), this would be following at least 24 months of training. For applicants trained in the United States in programs accredited by the Accreditation Council for Graduate Medical Education (ACGME), the requirements for being board eligible for American Board of Pediatrics subspecialty certification examination should be completed before starting the year of advanced clinical training. Physicians from other jurisdictions may be considered on a case by case basis if they have demonstrated successful completion of a core PCCM training program accredited in an equivalent setting.

Physicians must have mastery of written and oral communication in English before consideration will be given to their application. Candidates will be considered after submitting a complete application process to the Critical Care Medicine Fellowship Program.

GENERAL OBJECTIVES

1. To provide a year of additional academic clinical training focusing on the acute management of cardiac, respiratory, or renal failure that affect critically ill children suitable for extracorporeal life support technologies.
2. To provide focused education in those areas of cardiac, respiratory or renal failure, to develop expertise that would be valuable to a sub-specialist with PCCM training, in order to provide advanced care in large volume paediatric intensive care programs, using extracorporeal life support with extracorporeal membrane oxygenation, ventricular assist device, interventional lung assist device, continuous renal replacement therapy, and apheresis therapies, such as plasma exchange therapies and erythropheresis, and hemodialysis and hemofiltration for acute critical care conditions.

3. To provide the ability to function in the role of a junior attending in the latter part of the training year. The focus at this point will be to coordinate patient management, team functioning, education.

TIME TABLE OF PROPOSED CURRICULUM:

#	Rotation	Weeks
1	ECMO didactics and practicum with simulation	2
2	VAD didactics and practicum with simulation	2
3	Senior CCCU and PICU weeks (1 st week of every block)	12
4	Paediatric Cardiothoracic Surgery	2
5	Perfusion Services and blood replacement technologies	2
6	EXVIVO Laboratory Sciences at UHN	2
7	ECLS Performance daily rounds and Responsible for the majority of the elective consultations for initiation of ECLS, VAD, CRRT, Plasmapheresis therapies	
8	ECLS Quality Improvement or Education Academic Productivity Project	16
9	Apheresis Unit	2-4
10	Blood bank and laboratory medicine	1-2
11	Heart Failure/Transplant and or Lung transplantation Clinic	2
12	Academic Leave or Adult ECLS external elective (observership)	2
--	Vacation	4