

## PEDIATRIC CRITICAL CARE

### THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA *Objectives of Training and Specialty Training Requirements in Anesthesia*

#### Specific Objectives in CanMEDS Format

#### ROTATION OBJECTIVES

##### Medical Expert

###### *Specific Knowledge Requirements*

The anesthesia resident will be able to:

- The anesthesia resident will be able to identify children requiring resuscitation and describe standards for pediatric and neonatal resuscitation
- The resident will be able to recognize common pediatric surgical emergencies, their epidemiology and presentation and will be able to propose appropriate management
- The resident will be able to identify common pediatric critical care problems (respiratory, fluid and electrolyte, circulatory, trauma and metabolic problems). The resident will be able to propose management plans in both the PCCU and the OR. Recognition of possible complications associated with management and underlying patient conditions should also occur.
- The resident will be able to describe the pathophysiology of common causes of critical illness in children
- The resident should be able to understand different modes of ventilation in critically ill pediatric patients

###### *Specific Skill Requirements*

The resident will be able to:

- The resident will acquire technical skills in the following procedures:
  - Peripheral intravenous access
  - Pediatric airway management
  - Resuscitation of critically ill child
- The resident will be able to provide pediatric resuscitation

##### Communicator

The resident will be able to:

- Establish a therapeutic relationship with the patient and families
- Effectively obtain relevant information from all sources and communicates to the team
- Be aware of the unique stressful environment of the Pediatric Critical Care Unit



- Establish good relationships with peers and other health care professionals

### **Collaborator**

The resident will be able to:

- Communicate effectively with all health care professionals including allied health professionals
- Recognizes and acknowledges the roles of different health care providers
- Should be able to manage conflict well
- Contributes productively to interdisciplinary activities

### **Leader**

The resident will be able to:

- Understands and makes effective use of information technology such as methods for searching medical databases
- Makes cost-effective use of health care resources based on sound judgment

### **Health Advocate**

The resident will be able to recognize and respond to situations where patient advocacy is needed, such as:

- Be able to recognize preventive measures in status asthmaticus patients
- Advocate for organ donation, etc.

### **Scholar**

The resident will be able to:

- Partake in the assigned academic activities in the PCCU
- May be expected to teach airway management skills to the junior house-staff

### **Professional**

The resident will be able to:

- Demonstrate integrity, compassion and respect for diversity
- Fulfills medical, legal and professional obligations of the specialist
- Demonstrate reliability and conscientiousness

Reviewed: 2012, Dr. Granton