



## **OBSTETRICAL ANESTHESIA**

### **THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA**

*Objectives of Training and Specialty Training Requirements in Anesthesia*

#### **Specific Objectives in CanMEDS Format**

#### **OVERALL GOALS:**

Residents in the Schulich School of Medicine, Western University Anesthesia Training Program will be involved in the care of Obstetrical patients throughout their residency. Residents are expected to be familiar with the objectives outlined in this document and are invited to discuss any questions or concerns with their supervisors.

By completion of residency training the resident is expected to:

- Demonstrate diagnostic and therapeutic skills for effective and ethical care of the obstetric patient.
- Access and apply relevant information to obstetric anesthesia clinical practice. Demonstrate effective consultation services with respect to patient care, education, and legal opinions.

#### **ROTATION OBJECTIVES:**

At the completion of training, the resident will have acquired the following competencies and will function effectively as:

##### **Medical Expert:**

The resident will:

- Integrate all the CanMEDs roles to provide optimal, ethical, and patient and family centred obstetric anesthesia care.
- Establish and maintain clinical knowledge, skills, and attitudes appropriate to provide safe obstetric anesthesia care.
- Perform a patient-centred clinical assessment and establish an appropriate anesthetic care plan for the obstetric patient.
- Plan and perform procedures and therapies for the purpose of assessment and/or management of the obstetric patient.
- Establish plans for ongoing care and, when appropriate, timely consultation of the obstetric patient.



- Actively contribute, as an individual and as member of a team providing care, to the continuous improvement of health care quality and patient safety in obstetric anesthesia.

### ***Clinical knowledge and skills expected for the Medical Expert:***

The resident will demonstrate detailed knowledge of the following:

- Normal maternal physiology of pregnancy
- Fetal and placental physiology
- Intrapartum and postpartum neonatal resuscitation
- Medical diseases during pregnancy and their peripartum management including but not limited to how the disease impacts the pregnancy, how the pregnancy impacts the disease and the obstetric implications and management of the disease:
  - Hypertensive disorders of pregnancy
  - Respiratory disease
  - Cardiac disease
  - Morbid obesity
- Endocrine disease
- Hematological and coagulation disorders
- Labour analgesia including but not limited to anatomy and physiology of labour pain, and strategies for analgesia
- Anesthesia for obstetric surgery:
  - Regional anesthesia for cesarean delivery
  - General anesthesia for cesarean delivery
  - Other obstetric surgery
  - Postoperative analgesia
- Management of obstetrical complications
- Anesthetic management of non-obstetric surgery during pregnancy
- Anesthesia related morbidity and mortality in pregnant patients
- Ethical principles of obstetric anesthesia

### **Communicator**

The resident will:

- Establish professional therapeutic relationships with obstetric patients and their partners and families.



- Elicit and synthesize accurate and relevant information along with the perspectives of patients and their partners and families.

- Engage patients, their partners, and others in developing obstetric anesthetic care plans that reflect the patient's goals and health care needs.
- Document and share written and electronic information about the anesthetic encounter to optimize clinical decision-making, patient safety, confidentiality, and privacy.

### **Collaborator**

The resident will demonstrate the ability to:

- Work effectively with other physicians and other health care professionals in the obstetrics unit.
- Work with inter- and intraprofessional colleagues to prevent misunderstandings, manage differences, and resolve conflict.
- Effectively and safely hand over care of the obstetric patient to an appropriate health care professional.
- Include the patient's perspective in the shared decision making process.

### **Leader**

The resident will demonstrate the ability to:

- Contribute to the improvement of obstetric anesthesia care delivery in health care teams, organizations, and systems.
- Engage in the stewardship of health care resources.
- Demonstrate leadership in clinical obstetric anesthesia practice.
- Manage their clinical work, career planning, and personal life.
- Emphasize patient safety and quality improvement processes through incorporation of obstetric anesthesia patient safety standards.
- Demonstrate competence in health care informatics.

### **Health Advocate**

The resident will:

- Respond to individual obstetric patients' health needs by advocating with them.



- Respond to the needs of the obstetric population they serve by advocating with them for system-level change

## **Scholar**

The resident will:

- Engage in the continuous improvement and enhancement of their clinical activities through ongoing learning.
- Facilitate the learning of others in the obstetrics unit (students, residents, other health care professionals, the public, and other stakeholders) in a safe learning environment.
- Integrate best available evidence, contextualized to specific situations in obstetric anesthesia, and integrate it into real-time decision-making.
- Critically evaluate the integrity, reliability, and applicability of health-related research and literature specific to obstetric anesthesia practice.
- Contribute to the dissemination and/or creation of knowledge and practices applicable to obstetric anesthesia.

## **Professional**

The resident will:

- Demonstrate a commitment to their obstetric patients by applying best practices and adhering to high ethical standards of integrity, honesty, and empathy.
- Demonstrate a commitment to society by recognizing and responding to the social contract in health care.
- Adhere to local hospital, department, and CAS standards.
- Demonstrate a commitment to their own health and well-being.