

## **OBJECTIVES FOR PGY1 CORE OBSTETRICS ROTATION**

A specialist in Obstetrics and Gynaecology is a physician with special education and expertise in the field of women's health and reproduction. They have the appropriate medical, surgical and obstetrical and gynaecologic knowledge and skills for the prevention, diagnosis and management of a broad range of conditions affecting women's general and reproductive health. As well as providing clinical care and education in normal and complicated obstetrics and gynaecology, they may contribute significantly to research.

### **GENERAL OBJECTIVES**

Upon completion of this rotation, the PGY1 resident in Obstetrics is expected to have acquired the knowledge, skills and attitudes for the appropriate and competent management, with assistance of a wide range of obstetrical conditions. The resident must have the ability to develop the trusting and effective partnership with patients necessary to achieve successful outcomes in normal and complicated pregnancies.

The resident must also demonstrate the knowledge, skills and attitudes relating to gender, culture and ethnicity pertinent to obstetric care, and have the ability to appropriately incorporate gender, culture, and ethnic perspectives into daily practice. Additionally, the resident must have an understanding of the impact of various factors; including fear, anxiety, depression, socioeconomic status and domestic violence on patient compliance, patient satisfaction and obstetrical outcomes.

Upon completion of their rotation, the resident in obstetrics at a PGY1 level must have an understanding of the general physical and psychological health of women as it pertains to obstetrics. This includes an understanding of embryology and of the anatomy of the genitourinary tract. The resident will acquire a complete understanding of normal and abnormal changes in physiology and anatomy occurring in the pregnant and postpartum states.

Management of a patient with an obstetric condition will require that the resident has the ability to:

1. take a history of the patient's problem
2. conduct a complete physical examination including an appropriate obstetrical examination
3. demonstrate an understanding of the value and significance of laboratory, radiological and diagnostic studies
4. develop an inclusive differential diagnosis and formulate a management strategy

5. understand the indications, contraindications, types, variations, complications, and risks and benefits of surgical and non surgical treatments
6. understand the significance of perioperative and postoperative problems that might arise following delivery (vaginal, assisted, or C/S)

## **PGY1 GENERAL OBSTETRICS OBJECTIVES**

This rotation is intended to provide the resident with a clinical opportunity to acquire a working level of knowledge of maternal and fetal physiology, antepartum, intrapartum and postpartum care. Technical skill acquisition will be an integral part of the rotation experience.

### **1. MEDICAL EXPERT/CLINICAL DECISION MAKER**

The PGY 1 resident will acquire a defined body of knowledge and acquire competence in some procedural skills which will allow for the delivery of safe clinical care with assistance.

#### **Working knowledge is required of the following:**

##### **a. Antepartum Care**

- maternal and fetal physiology
- fetal development
- antepartum assessment of normal pregnancy
- antepartum fetal surveillance in normal pregnancy
- effects of psychosocial conditions on maternal and fetal health

##### **b. Obstetric Complications**

The pathophysiology, prevention, investigation, diagnosis, prognosis and/or management of:

- preterm labour
- term and preterm premature rupture of membranes
- antepartum hemorrhage
- post dates pregnancy
- gestational hypertension

##### **c. Intrapartum Care:**

- anatomy, physiology, and mechanisms of normal labour
- anatomy, physiology, and mechanisms of normal vaginal delivery
- assessment of labour progress
- indications for methods of and complications of augmentation of labour
- intrapartum assessment of maternal health

- intrapartum assessment of fetal health

**d. Postpartum Care:**

- etiology and management of postpartum hemorrhage: early and delayed
- etiology and management of sepsis
- breastfeeding, benefits and complications
- family planning
- understanding of the risk factors for postpartum depression

**An understanding is required of the following:**

**a. Antepartum Care**

- genetic screening, testing, and counselling
- effects of underlying medical and surgical conditions on fetal and maternal health
- antepartum surveillance in high risk pregnancies

**b. Obstetric Complications**

The pathophysiology, diagnosis, prognosis and/or management of:

- multiple gestation: twins, monochorionic and dichorionic
- fetal growth restriction
- viral infections in pregnancy

**c. Intrapartum Care:**

- management of shoulder dystocia
- management of cord prolapse
- Apgar scoring
- intrapartum infection

**d. Obstetric Delivery:**

- indications and management of a non-vertex presentation
- assisted vaginal delivery

**e. Postpartum Care:**

- venous thrombotic event, diagnosis and management
- postpartum wound complications, ie. wound dehiscence

**Technical Skills:**

The PGY1 resident will demonstrate an understanding of the indications, risks and benefits, limitations, and role of the following techniques specific to the practice of Obstetrics & Gynaecology, and will be competent in their interpretation:

- a. **Serology and Microbiology:**
  - screening for Group B streptococcus in pregnancy
  - culture and serology for sexually transmitted diseases
  - urinalysis, urine microscopy, and urine culture
- b. **Imaging:**
  - screening obstetrical ultrasound
  - biophysical profile
  - allo-immunization
- c. **Cytology, Hystopathology:**
  - cervical cytology – PAP Smear
- d. **Other Assessments:**
  - fetal assessment: non-stress test, contraction stress test
  - Leopold's Assessment
  - Bishop's Score
  - cervical ripening / induction options with skills in Prostin, cervidil and Foley catheter placement

**Obstetric Procedures:**

- a. Resident must be competent in:
  - spontaneous vaginal delivery
  - episiotomy & repair
  - artificial rupture of membranes
  - application of scalp electrode
  - position / cervical exam
  - placental removal at C/S
  - C/S – open and close skin/fascia
  - Postpartum removal of clots and uterine massage
  - sterile speculum examination

The PGY1 resident must be competent to assist with the following procedures and discuss with the staff the risks benefits and complications of these interventions:

- repair of perineal and vaginal tears including 3rd & 4th degree tears and cervical lacerations
- low forceps delivery
- low transverse caesarean section, primary and repeat
- abdominal delivery of multiple gestation
- scalp pH's
- IUPC placement

b. The PGY1 resident will understand but may not have the opportunity to see:

- Manual removal of placenta
- Vaginal breech delivery
- Management of shoulder dystocia
- Management of cord prolapse
- Management of an antepartum hemorrhage
- Management of a postpartum hemorrhage
- low vertical or classical caesarean section
- repair of wound dehiscence

## 2. COMMUNICATOR

Communication skills are essential for obtaining information from and conveying information to patients and their families. Furthermore, these abilities are critical to eliciting patients' beliefs, concerns, and expectations about their illness and are also key factors impacting patient's health.

To provide humane, high-quality care, obstetricians establish effective relationships with patients, other physicians, and other health professionals. Communication skills are essential for obtaining information from, and conveying information to patients and their families. Furthermore, these abilities are critical in eliciting patients' beliefs, concerns, and expectations about their illnesses, and for assessing key factors impacting on patients' health.

The PGY1 resident in obstetrics must be able to:

- establish therapeutic relationships with patients and their families characterized by understanding, trust, empathy, and confidentiality
- obtain and synthesize relevant history from patients, families, and/or community
- discuss appropriate information with the patient, family, and other health care providers that facilitates optimal health care. This also implies the ability to maintain clear, accurate, timely and appropriate records

To achieve these objectives as a communicator, the OB PGY1 resident must demonstrate:

1. an understanding of the elements of informed consent for medical and surgical therapies
2. the ability to record accurately and succinctly data collected from patients, laboratory tests and radiological studies

3. the ability to communicate (oral or written) conclusions based on these data to patients and their families, referring physicians and other involved health care personnel
4. evidence of good interpersonal skills when working with patients, families, and other members of the health care team an awareness of the unique personal, psychosocial, cultural and ethical issues that surround individual patients with obstetric problems
5. the ability to prepare and present information to colleagues and other trainees (if applicable) both informally (e.g., ward rounds) and formally (e.g., Grand Rounds, scientific meetings)

### **3. COLLABORATOR:**

PGY1 residents must learn to effectively and respectfully work with allied health professionals, medical students, senior residents, consultant Obstetricians, family doctors, midwives and specialists in other fields.

The PGY1 resident must be able to consult effectively with other physicians and with other health care providers and contribute actively and effectively to a multidisciplinary health care team.

To achieve these objectives as a collaborator, the resident must be able to:

1. assist competently in the initial management of patients
2. demonstrate the ability to function effectively and, where appropriate, provide leadership, in a multidisciplinary health care team, showing respect, consideration and acceptance of other team members and their opinions while contributing personal specialty-specific expertise
3. identify, understand and respect the significant roles, expertise, and limitations of other members of a multidisciplinary team required to optimally achieve a goal to patient care.

### **4. LEADER**

The PGY1 resident must acquire the abilities to prioritize and effectively execute tasks through teamwork with colleagues and must also:

- effectively balance patient care, learning needs and outside activities
- utilize information technology to optimize patient care, life-long learning.

To achieve these objectives as a leader, the resident should:

1. effectively assist in the management of the birth unit
2. triage emergency problems with assistance
3. be involved in morbidity and mortality reviews through committee attendance and/or case presentations.

## **5. HEALTH ADVOCATE:**

PGY1 residents must recognize the importance of advocacy as an essential and fundamental component of health promotion that occurs at the level of the individual patient, the practice population, and the broader community.

The PGY1 resident in obstetrics will be able to:

- identify the important determinants of health affecting individual patients
- make clinical decisions for an individual patient balancing the patient needs against the needs of the general population and considering the available resources.
- recognize those issues where advocacy is appropriate
- advise patients about local and regional resources available for support, education, and rehabilitation

## **6. PROFESSIONAL**

Obstetricians have a unique societal role as professionals with a distinct body of knowledge, skills, and attitudes dedicated to improving the health and well-being of women. They are committed to the highest standards of excellence in clinical care and ethical conduct, and to on-going development of discipline related skills

### **General Objectives:**

The PGY1 resident must:

- deliver high quality medical care with integrity, honesty, compassion, and respect
- exhibit appropriate personal and interpersonal professional behaviour
- practice medicine in a way that is consistent with the ethical obligations of a physician

### **Specific Objectives:**

In order to achieve these general objectives in the role of a professional, the PGY1 resident must:



- foster a caring, compassionate and respectful attitude towards patients, families, and other members of the health care team
- provide medical care that is ethical, and seek advice or second opinion appropriately in ethically difficult situations
- monitor patients and provide appropriate follow up medical care, particularly after starting a new treatment or following a surgical procedure
- maintain patient confidentiality at all times
- complete chart notes and summaries in a timely fashion and maintain medical records that are consistently accurate, informative and legible
- be able to identify unprofessional behavior including intimidation and harassment and address this through the appropriate avenues
- show self-discipline, responsibility and punctuality in attending to ward duties, in the operating room, and at meetings and other activities, and be a moral and ethical role model for others
- have the ability to balance professional and personal life

NOTE: CBD Curriculum Map and EPAs - <https://med.uottawa.ca/obs-gyne/postgraduate-education/residency-training-program/competency-based-medical-education>

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