

Objectives of Training and Specialty Requirements in PGY1 Obstetrics & Gynecology Rotation

During the PGY1 Obstetrics & Gynecology rotation residents will care for patients in Labour & Delivery, in the OR, in the Emergency Department and on the hospital wards. They will also attend general Obstetrics and Gynecology clinics, one per week. Residents will be expected to attend Grand rounds, Wednesday morning Department rounds (posted on the Obstetrics & Gynecology website) and daily teaching rounds.

Two levels of knowledge and proficiency are referred to in this document.

An *achieved level* refers to an in-depth understanding of an area, from basic science to clinical application, including knowledge of the related literature and possession of skills to manage independently a problem in the area.

A *developing level* indicates a level of knowledge sufficient for the clinical management of a condition, and/or an understanding of an approach or technique sufficient to counsel and recommend it, without having personally achieved mastery of that approach or technique.

MEDICAL EXPERT

A) Knowledge (all at the level of ACHIEVED):

Antepartum Care

- Maternal and Fetal physiology
 - Maternal physiologic and anatomic changes associated with pregnancy – Developing
 - Physiologic functions of the placenta and fetus – Developing
- Fetal development
 - Basic knowledge of the stages of fetal development- Developing
 - General knowledge of effects of drug exposure- Developing
- Antepartum assessment of normal pregnancy
 - Be able to perform a thorough antenatal history- Achieved
 - Be able to perform an appropriate obstetrical examination- Achieved
 - Know methods of diagnosing a pregnancy- Achieved
 - Knowledge of methods of identifying an abnormally developing pregnancy- Developing
 - Be able to determine accurate dates- Achieved
 - Know how to determine “risk grade” of a pregnancy- Achieved
 - Be aware of nutritional needs during a normal pregnancy- Developing
- Genetic Screening

- Be aware of the various methods available for antenatal screening-
Developing

Intrapartum Care

- Know the stages of labour, diagnosis of and management of each- Achieved
- Be able to take a history and perform an appropriate physical examination to assess labour- Achieved
- Know the SOGC guidelines regarding definition of adequate progress of labour and know the causes of and management of inadequate progress- Developing
- Be aware of pain management options during labour- Developing
- Have a basic understanding of intrapartum fetal monitoring including basic terminology and management of an abnormal fetal heart rate- Developing
- Be aware of the indications for, methods of and complications of labour induction and augmentation- Developing
- Know the symptoms of, signs of and management of intrapartum infection-
Developing
- Be able to identify the various types of vaginal/perineal tears- Developing
- Be able to perform a repair of a uncomplicated 1st and 2nd degree laceration with assistance- Achieved
- Know the indications for, risks of and procedure of Cesarean Section- Developing
- Know the indications for, risks of and types of vaginal operative delivery-
Developing
- Know the issues related to VBAC (complications of, determinants of)-
Developing
- Be able to recognize common obstetrical emergencies (fetal bradycardia, cord prolapse, shoulder dystocia, postpartum hemorrhage) and have a basic management plan for each - Developing

Pregnancy Complications

- Be able to diagnose and develop a basic management plan for gestational hypertension and preeclampsia- Developing
- Know how to diagnose and manage premature rupture of membranes (PROM)-
Developing
- Know risk factors for and methods of diagnosis (SFH, ultrasound) of intrauterine growth restriction- Developing
- Know the risk factors for, diagnosis of and basic management of preterm labour-
Developing
- Know the risk factors for, diagnosis of and basic management of antepartum hemorrhage - Developing

- Have an understanding of pathophysiology , cause of and prevention of isoimmunization – Achieved
- Management of isoimmunization- Developing
- Know the different types of twins, complications of twin pregnancies and issues regarding twin delivery- Developing
- Know the risks of and management of a post-term pregnancy- Achieved
- Be able to identify medical conditions which may pose a risk to maternal or fetal health- Developing

Postpartum Care

- Know the maternal physiologic changes in the postpartum period- Achieved
Know what constitutes normal postpartum care & be able to provide appropriate postpartum care- Achieved
- Be able to identify risk factors for, develop a differential diagnosis for, outline appropriate investigations for and develop a management plan for postpartum infection- Achieved
- Know the risk factors, etiologies and management for postpartum hemorrhage - Achieved
- Be able to describe the benefits of breastfeeding- Achieved
- Have a working knowledge of issues affecting postpartum contraception- Developing
- Have knowledge of the diagnosis and management of postpartum mood disorders- Developing

Gynecology

- Be able to take a thorough gynaecologic history and perform a pelvic examination including Pap smear and appropriate culture swabs- Achieved
- Be able to describe the normal menstrual cycle including puberty and menopause - Achieved
- Be able to explain contraceptive options available and describe their mechanism of action, advantages/disadvantages and contraindications - Achieved
- Be able to perform the initial assessment, including history and appropriate physical examination, list the differential diagnosis and develop a basic management plan for the following common gynaecological problems (Developing):
 - Ectopic pregnancy
 - Spontaneous abortion
 - Sexually transmitted infections including PID
 - Abdominal and pelvic pain

- Pelvic mass
- Amenorrhea
- Dysmenorrhea
- Abnormal Uterine Bleeding
- Be able to describe common gynecological malignancies including risk factors, signs and symptoms and initial evaluation- Developing
- Have an understanding of basic surgical assistant skills- Achieved
- Know the indications for and complications of hysterectomy- Developing
- Understand common postoperative issues associated with gyne surgery (pain management, discharge planning etc)- Developing

B) Procedures/ Surgical Skills:

By the completion of PGY1, it would be expected that the resident could fully understand and perform the below independently:

- Spontaneous uncomplicated vaginal delivery
- Pfannenstiel incision with entry into the abdomen
- Closure of various layers of the abdomen
- Speculum exam for PROM
- Pap smear
- Insertion of transurethral foley catheter

By the completion of PGY1, the resident should understand and be able to perform, though he/she may not have actually acquired sufficient skill in residency to independently perform them:

- Vacuum extraction
- Repair 1st and 2nd degree perineal tears
- D & C
- Laparoscopic port placement
- Vaginal delivery
- Assist at C/S
- Assist at common gynecological surgeries (open, vaginal, lap)
- Application of scalp clip
- Amniotomy
- Insertion transcervical foley catheter

COMMUNICATOR (All at level of ACHIEVED)

1. The resident develops a therapeutic relationship with patients and communicates well with the patient and family.
2. The OB/Gyn resident is able to communicate with other members of the health care team (e.g. social work, neonatology, ultra-sonographer etc.) to provide appropriate patient care.

COLLABORATOR (Achieved)

1. The resident is able to collaborate with all members of the health care team in order to optimize patient care.

SCHOLAR (All at level of ACHIEVED)

1. The resident is expected to review the literature around cases. They may be given a topic related to review and present at some point during the rotation.
2. The resident displays enthusiasm and commitment to gaining further knowledge as it pertains to Obstetrics & Gynecology.

HEALTH ADVOCATE (Achieved)

1. The resident is able to advocate for patients to ensure that their care was optimized.

MANAGER (Achieved)

1. The resident uses technology effectively to promote excellent patient care.

PROFESSIONAL (All at level of ACHIEVED)

1. The resident demonstrates commitment to their patients through ethical practice.
2. The resident behaves in a professional manner when dealing with patients, families and all members of the health care team.
3. The resident is responsible and reliable.