

Residency Rotation-Specific Objectives

Rotation: PGY1: ULTRASOUND

Resident name:	Supervisor name:
Rotation dates:	Hospital:

IMPORTANT: Supervisor and resident must discuss these rotation-specific objectives during the rotation orientation, and sign below to confirm discussion has taken place.

Resident signature	Supervisor signature	Date

1 MEDICAL EXPERT

1.1 Knowledge of Anatomy and Physiology Objectives:

1. Demonstrate understanding of the role, indications, and timing for ultrasonography in obstetrical care.
2. Demonstrate basic knowledge of components and timing for a complete fetal anatomy scan and biophysical profile.
3. Demonstrate knowledge of components and views needed to assess fetal growth
4. For multiple pregnancies, demonstrate knowledge of process to determine chorionicity.
5. Demonstrate basic knowledge of gynaecologic sonographic anatomy.

1.2 Data Gathering Objectives:

1. Demonstrate knowledge of the basics of ultrasound physics and machine operation to obtain necessary information to provide an obstetrical and gynaecological assessment.
2. For a patient presenting for high-risk consultation and ultrasound, obtain a complete focused history.

1.3 Clinical Reasoning, Management and Judgement/Diagnostic and Therapeutic Planning Objectives:

1. Demonstrate knowledge of the appropriate use of ultrasonography as a resource and its impact on clinical management and maternal and fetal outcomes.

1.4 Procedural skills Objectives:

1. Demonstrate competency in performance of ultrasound for:
 - a) Biophysical profile for fetal well being
 - b) Fetal presentation
 - c) Placental location.
2. Demonstrate ability to obtain fetal biometry and estimation of gestational age/fetal weight:
 - a) Head: measure biparietal diameter (BPD) and head circumference (HC)
 - b) Abdomen: measure abdominal circumference (AC)
 - c) Limbs: measure femur length.
3. For assessment of uterus, endometrium, and ovaries, demonstrate ability to:
 - a) image uterus in transabdominal and transvaginal ultrasound and identify uterine fibroids, and cervix
 - b) identify free fluid in the pelvis
 - c) image endometrial thickness/appearance and ovaries.

2 COMMUNICATOR

2.1 Physician/Patient Relationship Objectives:

1. Establish a therapeutic relationship with patients/families.
2. Listen effectively, discuss appropriate information with patients/families
3. Teach patients/families, as appropriate with respect to ultrasound findings related to fetal viability, anatomy, and well-being during the antenatal course.

2.2 Verbal / Written Communication Skills Objectives:

1. Learn how to convey bad news with empathy to patients and families.
2. Know appropriate common terms associated when documenting individual cases.
3. Complete health records in an accurate and timely manner.

3 COLLABORATOR

1. Demonstrate appropriate communication skills when interacting with all members of the multidisciplinary healthcare team and administrative staff.
2. Demonstrate an understanding of all inter-professional team member roles; ultrasound technologists, obstetrical ultrasonographers, perinatologists and neonatologists.
3. Participate actively as a team member.
4. Consult the appropriate medical services to optimize patient care.

4 MANAGER/LEADER

4.1 Time Management Objectives:

1. Integrate these rotation-specific objectives within the constraints of a busy clinical ultrasound unit.

4.2 Resource Stewardship Objectives:

1. Demonstrate an understanding of the impact of ultrasonography on maternal and fetal outcomes.
2. Manage the appropriate use of ultrasonography as a resource

5 HEALTH ADVOCATE

5.1 Determinants of Health/Health Advocacy Objectives:

1. Demonstrate an awareness of the importance of equal access to ultrasound facilities.

6 SCHOLAR

6.1 Self-Directed Learning Objectives:

1. Acquire basic knowledge of the role, indications for, and interpretation of ultrasound in obstetrical and gynaecologic care.
2. Demonstrate knowledge of key concepts in ultrasound, screening and diagnosis, fetal malformations and pelvic pathology.
3. Demonstrate knowledge of the basic physical principles of medical ultrasonography and their application to acquiring, optimizing and storing the image from the ultrasound machine while utilizing a variety of transducers.

6.2 Critical Appraisal Skills Objectives:

Not Applicable.

6.3 Teaching Skills Objectives:

Not Applicable.

7 PROFESSIONAL

7.1 Responsibility Objectives:

- 1 Be available to the administrative staff and healthcare team and participate in the management of the obstetrics and gynecology patients in the clinic, in conjunction with the clinic personnel.
- 2 Demonstrate professional attitudes in interactions with patients and other healthcare personnel
- 3 Report absences in a timely manner.

7.2 Self-Assessment Skills/Insight Objectives:

Not Applicable.

7.3 Ethics Objectives:

1. Demonstrate ethical practice in the utilization of obstetrical ultrasonography.

Version Control

Date	Version No	Author	Location of Revisions	Approved at RPC Meeting
May 04 2016	V1.7	C Sutherland	NEW	May 02 2016