

Curriculum for the Ultrasound Special Skills Module (Ultrasound SSM)

This module is curriculum based with both theory and practical components aimed at doctors, nurses/midwives who have already acquired an acceptable qualification and are working in contraception and reproductive health care in the community. Each trainee will have a Principal Trainer who will supervise the overall training programme and be responsible for regular assessments. The Principal Trainer may delegate specific aspects of training to suitably qualified clinicians who are approved to provide necessary teaching/ experience.

These qualifications are not re-certifiable. Evidence of updating should be covered in appraisal/re-validation.

The Training Objectives for this module are:

- ▶ Provide overview of the basic physics of ultrasonography, including safety issues and ensure competency in the use of commonly used ultrasound machines
- ▶ Ensure ability to identify the pelvic organs and their orientation and to establish their normality
- ▶ Ensure ability to identify abnormalities of the pelvic organs and correlate findings with the presenting symptoms or endocrine status
- ▶ Ensure ability to establish a diagnosis and act accordingly
- ▶ Ensure ability to effectively/ sensitively communicate the above information to the clients or to colleagues.
- ▶ Ensure a realistic understanding of the role of ultrasound within the service, knowing when to proceed/ when to refer on in specific clinical situations.
- ▶ This training will equip individuals with the knowledge, professional skills, attitudes and clinical competencies to use ultrasound imaging in an appropriate and safe manner.

BASIC SKILLS

- ▶ Machine set-up
- ▶ Counselling for scan
- ▶ Decide transabdominal vs. transvaginal route
- ▶ Choice of probe
- ▶ Patient positioning
- ▶ Orientation
- ▶ Identify normal endometrium
- ▶ Identify normal myometrium
- ▶ Identify normal ovaries
- ▶ Measure cervical length
- ▶ Recording images
- ▶ Note keeping

EARLY PREGNANCY

- ▶ Confirm viability
- ▶ Date pregnancy
- ▶ Diagnose corpus luteum cyst
- ▶ Diagnose multiple pregnancy
- ▶ Identify retroplacental haematoma
- ▶ Diagnose anembryonic pregnancy
- ▶ Diagnose missed miscarriage
- ▶ Diagnose retained products of conception
- ▶ Counselling for failed pregnancy
- ▶ Diagnose ectopic pregnancy

MENORRHAGIA

- ▶ Identify submucous fibroid
- ▶ Identify intramural fibroid
- ▶ Identify subserous and pedunculated fibroid
- ▶ Identify adenomyosis

POST MENOPAUSAL AND INTERMENSTRUAL BLEEDING

- ▶ Measure endometrial thickness
- ▶ Identify atrophic endometrium
- ▶ Identify hyperplastic endometrium
- ▶ Identify endometrial polyps
- ▶ Identify functional ovarian tumours

PELVIC MASS

- ▶ Identify mass as uterine
- ▶ Identify unilocular ovarian mass
- ▶ Identify complex ovarian mass
- ▶ Identify ascites

REPRODUCTIVE MEDICINE

- ▶ Identify cyclical changes in endometrium
- ▶ Identify cyclical changes in ovary
- ▶ Identify polycystic ovary
- ▶ Locate IUD/ IUS position in uterus
- ▶ EXTRA PELVIC SCANS
 - ▶ Identify normal placement of Implanon
 - ▶ Locate non-palpable Implanon