



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Ultrasound Scanning To Support Obstetric / Gynaecological Examination

1920-2-I0102D127

Aims

To know the theoretical and practical skills in ultrasound scanning to support the obstetrical and gynecological examination

Contents

The “office” ultrasound in obstetrics and gynecology is a scanning performed to support the obstetrical/gynecological examination. Its aim is to add diagnostic data that can be used to complete the examination. Midwives can use ultrasound scanning as support tool for the detection of maternal and fetal parameters during pregnancy and labor in order to assess the timeliness and the accuracy of normal pregnancy and childbirth evolution. The parameters measured by office ultrasound do not require any report and integrate the information disclosed by a routine midwife examination. They will be useful in case of pregnancy complication.

The course's aims are to provide the basic knowledge to use the scanning (a) in the first trimester of pregnancy (by transvaginal and abdominal scan); (B) in the second and third trimester of pregnancy aimed the visualization of the fetal position and the amniotic fluid volume; (C) during labour to support the clinical decisions; (D) in assessment of echogenicity of a mass diagnosed by bimanual exploration (cystic/solid); (E) in monitoring the localization of intra uterine device

Detailed program

- Principles of ultrasound physics: equipment, methodology and technical knowledge.
- First trimester obstetric scan performed by transvaginal and transabdominal probe.

- Second and third trimester obstetric scan: Diagnosis of presentation, placental localization, amniotic fluid volume.
- Ultrasound at term and post-term pregnancy.
- Ultrasound to support the clinical management, during labour.
- Ultrasound to support the clinical management in case of obstetrical emergency.
- Ultrasound to support the clinical management in case of gynecological diseases

Prerequisites

none

Teaching form

Lectures and practical skills

Textbook and teaching resource

Pairman Sally, Pincombe Jan, Thorogood Carol, Tracy Sally, " Midwifery preparation for practice", Churchill Livingstone, 3^e ed.2015

Semester

1-2 semester

Assessment method

Open questions

Office hours

on appointment
