

## CERTIFICATE COURSE IN

# OBSTETRICS & GYNAECOLOGY ULTRASOUND



هيئة المعرفة والتنمية البشرية  
KNOWLEDGE & HUMAN DEVELOPMENT AUTHORITY

## 3 Month - KHDA Approved Practical Part Time Course (OB-GYNE | RADIOGRAPHERS | SONOGRAPHERS)

### COURSE TOPIC

#### MODULE – 1 January 10,11 - 2020

- ① Basic characteristics of the Ultrasound equipment
  - Introduction of the machine
  - Transducers • Knobology
- ① Practical aspects of Ultrasound examination
  - Holding the transducer and its movements
  - Image orientation
  - Ultrasound scanning techniques (like reduce depth, minimize sector width, adjust focal zones, zoom area of interest or how to maintain anatomic area in the center)
- ① Ultrasound assessment in first trimester
  - Landmarks of first trimester
  - Biometric measurements in first trimester
- ① Ultrasonic evaluation of Twin gestation
  - Multiple gestation and chorionicity
- ① Ultrasound of Female Pelvis
  - Normal Pelvic Anatomy and Anatomic Variants
- ① Practical aspects of Ultrasound in Gynecological evaluation
  - How to perform TVS
  - Role of ultrasound in detection of Fibroids/ ovarian pathology
- ① Ectopic pregnancy
  - Ultrasound finding in evaluating ectopic pregnancy
- ① Practical Sessions



#### MODULE – 2 February 21,22 - 2020

- ① Down syndrome screening presence of nasal bone, Nuchal translucency measurements.
- ① Ultrasound assessment in Second and Third trimester
  - Landmarks of second and third trimester
  - Correct way of measurements of fetal biometry -BPD, HC, AC, FL, EFW
- ① Fetal Growth parameters
  - To rule out IUGR
- ① Scanning of fetal anomaly at 18-20 weeks gestation
  - Systematic way of assessment and detection of common fetal anomaly
- ① Placenta
  - location • How to rule out placenta Previa, Grading
- ① Practical Sessions & Revision of Module 1

#### MODULE – 3 March 20,21 - 2020

- ① Amniotic Fluid assessment
  - Ultrasound estimation of fluid volume
  - Oligohydraminous and polyhydraminous
- ① Cervix
  - Length, conization, dilatation at internal os
- ① Ultrasound and infertility
  - Diagnosis and follow up of polycystic ovaries
  - Follicular growth studies in case of ovarian stimulation in infertility
- ① Doppler
  - Umbilical artery • Uterine artery
- ① Practical Sessions & Revision of Previous Modules



### COURSE INSTRUCTOR

#### Dr. Musarrat Hasan

Director, Institute of Ultrasound / Imaging Affiliated with JUREI at Jefferson University Philadelphia Pennsylvania, USA



### COURSE INSTRUCTOR

#### Dr. Reeta Kumar

Sr. Specialist Obst. & Gynecology  
MBBS, DGO, MS, MRCOG (LONDON)  
Diploma in Obst. & Gynecology (JAPAN)

### PARTICIPANTS INFO.

Name: \_\_\_\_\_

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Experience in Ultrasound: \_\_\_\_\_

### COURSE REGISTRATION

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