**Preconference ultrasound workshop program**

**As part of the 9th annual conference of the Rwandan society of obstetricians and gynecologists, RSOG**

**Place of Workshop at CHUK university teaching hospital – Kigali – Rwanda**

**Day 1 Sunday 10.12.2023 (Live lectures)**

**10:00 am– 10:45 am**

Midray introduction (Be familiar with Mindray ultrasound machine)

**10:45 am – 11:30 am**

**Basic skills lectures – Mindray team**

Which Transducer and when to use?

Knobology and how to set up the Machine and improve your image

Scanning Techniques and planes in obstetrics and Gynecology

Principles of Doppler Ultrasound and Adverse Effects

Consent and professional communication

Documentation and Writing Ultrasound Report

**11:30 am – 12:15 pm Dr. Hebatallah Abdelaziz**

**Orientation approach in Obstetric scanning (based on ISUOG guideline)**

**Normal and abnormal Placenta and Amniotic fluid**

**Break 12:15 pm – 12:30 pm**

**12:30 pm – 01:00 pm Dr. Hebatallah Abdelaziz**

**Basic Gynecological scan**

Normal appearance of Uterus (Myometrium, Endometrium) and ovaries

**01:00 pm – 01:45 pm Dr. Rasha Kamel**

**Benign Uterine Lesions**

Endometrium in its different phases

Endometrial Polyp

Hyperplasia

Adhesions (Asherman Syndrome)

Adenomyosis

Fibroids

**1:45pm – 02:30 pm Dr. Sherif Negm**

**Sonographic criteria of Normal and abnormal pregnancy (first trimester)**

Sonographic appearance of normal pregnancy

Sonographic appearance of Miscarriage, Molar and Ectopic pregnancy

Requirements of accurate NT measurement

**02:30 pm – 03:15 pm Dr. Rasha Kamel**

**Fetal biometry and assessment of fetal weight**

**03:15 pm- 04:00 pm Dr. Sherif Negm**

**Doppler Measurements in obstetrics made easy**

Umbilical artery Doppler

Uterine Artery

MCA

Ductus Venosus

**Day 2 Monday 11.12.2023 (Hands-On) total time 2 hours**

**Start at 10 am**

Candidates are going to be divided into 3 groups which will rotate on 3 stations each group will stay for maximum 30 min by station and 2 to 3 candidates per group can practice hands-on, each candidate will practice one time to give a chance for other colleagues.

3 patients at least should be available in each station

**Station 1**

Dr Rasha Kamel Fetal biometry and benign uterine/ovarian lesions

Dr. Sherif Early pregnancy assessment and Doppler Measurement

Dr. Hebatallah Abdelaziz Basic gynecological scan, Orientation approach in Obstetric scanning (based on ISUOG guideline). Normal and abnormal Placenta and Amniotic fluid

Certification should be at the end of the 2nd day directly after hand-on and it require attendance of the 2 days.