

# Course Program

## Session 1

(14.1.2023)

### Basics skills

- GE Ultrasound Portfolio and Types of Probes
- Basics in 2D and Doppler Ultrasound and how to improve your image
- Basics in 3D Ultrasound in Obstetrics and Gynecology
- Advanced Features in Volume Ultrasound in OB and GYN
- Role of artificial Intelligence in image optimization and

Interpretation

9:00-11:00 am

**Roland Mattern / Helmut Binder Reisinger**

- Consent and professional communication  
Documentation and Writing Ultrasound Report

11:00-11:40 am

**Dr: Hebatallah Abdelaziz**

## Session 2

(21.1.2023)

### Obstetrics Scan

#### *Ultrasound use in the First Trimester*

- Early Pregnancy Scan 4-10 weeks, 10-14 Weeks (Singleton / Multiple Pregnancy)

9:00-9:40 am

**Dr. Sherif Negm**

- First Trimester Scanning

9:40-10:20 am

**Dr. Josefine Königbauer**

- Abnormal Early Pregnancy (Diagnosis of Miscarriage, Remnants of Conception and Molar Pregnancy/ Ectopic Pregnancy/ CSP)

10:20-11:00 am

**Dr. Sherif Negm**

## **Session 3**

**(28.1.2023)**

### ***Ultrasound in the Second Trimester***

- Orientation Approach in Obstetrics Scanning

9:00-9:40 am

**Dr. Hebatallah Abdelaziz**

- Fetal Biometry and the routine mid-Trimester Fetal Ultrasound scan: The ISUOG guidelines

9:40-10:20am

**DR. Aly Youssef**

- Fetal weight Assessment, Abnormal Fetal weight, FGR/IUGR/Macrosomia

10:20-11:00 am

**Dr. Rasha Kamel**

- Normal and Abnormal Sonographic Appearance of Placenta, Placenta Accreta Spectrum, Amniotic Fluid and Umbilical Cord

11:00-11:40am

**Dr. Hebatallah Abdelaziz**

## **Session 4**

**(4.2.2022)**

### ***Detailed Anatomical Scan 1***

- Role of 3D/4D in Obstetrics
- Fetal Head Examination and Neurosonography

9:00-9:40 am

**Dr. Aly Youssef**

- Sonographic Examination of Fetal Face, Upper Lip and Profile, Neck and Thorax

9:40-10:20 am

**Dr. Sherif Negm**

- Basic fetal Heart scanning: 4 Chamber View, Great Vessels View and Longitudinal scan of the Heart

10:20-11:00 am

**Dr. Rabih Chaoui**

## **Session 5**

**11.2.2023**

### ***Detailed Anatomical Scan 2***

- Examination of the Ant. Abdominal Wall, GIT and its Anomalies

9:00-9:40 am

**Dr. Rasha Kamel**

- Examination of Renal System

9:40- 10:20 am

**Dr. Sherif Negm**

- Skeletal and Limb Anomalies

10:20-11:00 am

**Dr. Josefine Königbauer**

## **Session 6**

**(18.2.2023)**

### ***Fetal and Maternal Doppler***

- Role of Doppler Studies in Assessment of High-risk Pregnancy  
Uterine Artery, Umbilical Artery, Middle Cerebral Artery MCA and  
Ductus Venosus DV

9:00-9:40 am

**DR. Sherif Negm**

- Screening for PE

9:40-10:20 am

**Dr. Daniel Rolnik**

- Evaluation and Detection of Causes of Ante, Intra and Post-partum  
Hemorrhage (Placental Abruption, Uterine Rupture)

10:20-11:00 am

**Dr. Hebatallah Abdelaziz**

## **Session 7**

**(25.2.2023)**

### ***Role of Ultrasound in pre-Labor and Intrapartum***

- Cervical Assessment, Preterm Labor Screening and Diagnosis

9:00-9:40 am

#### **Dr. Rasha Kamel**

- Role of Pelvic Floor in Labor
- Assessment of Levator ani and Anal sphincter

9:40-10:20 am

#### **Dr. Aly Yousef**

- Head Station and Angle of Progression

10.20-11:00 am

#### **Dr.Rasha Kamel**

## **Session 8**

**4.3.2023**

### ***Gynecological scan***

- Uterus (uterine body and cervix) and Ovary and benign uterine lesions (Fibroid and Adenomyosis)

9:00-9:40 am

## **Dr. Rasha kamel**

- Congenital Uterine Anomalies  
9:40-10:20 am

## **Dr. Sherif Negm**

- Endometrium in its different phases, Endometrial Polyp/  
Hyperplasia and Adhesions (Asherman Syndrome)
- Uterine Sarcoma  
10:20-11:00am

## **Dr. Ligita Jokubkiene**

## **Session 9**

**(11.3.2023)**

## **Gynecological scan**

- Tubal pathology  
9:00-9:40 am

## **Dr. Ligita Jokubkiene**

- IOTA Classification of Ovarian Lesions  
Case Module (IOTA simple rules, Benign description; ADNEX Module)  
9:40-10:20 am

## **Dr. Sherif Negm**

- Benign Ovarian Cystic Lesions/pelvic Endometriosis  
10:20- 11:00 am

## **Dr. Ligita Jokubkiene**

## **Session 10**

**(18.3.2023)**

### ***Doppler Studies Applications in Gynecological Examination***

Ovarian Cancer

9:00-9:40 am

**Dr. Dorella Franchi**

- Doppler Application in Begin Gynecological lesions  
Doppler use in Gynecological Malignancy

9:40-10:20 am

**Dr. Ligita Jokubiene**

- Endometrial Cancer

Cervical Cancer

10:20-11:00 am

**Dr. Dorella Franchi**

## **Session 11**

**25.3.2023**

### **Overview of use of US in Infertility**

- Follicular Monitoring, Endometrial Monitoring and OHSS  
And Assessment of Tubal Patency

9:00-9:40 am

**Dr. Mona Abou Elghar**

- PCO

9:40-10:20 am

**Dr. Ligita Jokubkiene**

- Guided Follicular Aspiration and Ultrasound guided Embryo transfer  
10:20-11:00am

**Dr. Mona Abou Elghar**

## **Session 12**

**1.4.2023**

### **Role of Ultrasound in Pelvic Floor Examination**

#### **Breast Examination**

- Role of Ultrasound in Assessment of Stress Urinary Incontinence and Pelvic organ Prolapse.

9:00-9:40 am

**Dr. Rasha Kamel**

- Breast Examination and Begin breast lesions

Ultrasound appearance of malignant Breast lesions

9:40-10:20 am

**Dr. Nagla Abdel Razek**