Ultrasound in infertility course

EFRE (Egyptian Foundation of Reproductive Medicine & Embryology) in collaboration with MEFS (Middle East Fertility Society)
A pre-congress course 29-30th October 2019
National Training Institute- Cairo, Egypt.

Overview
This is a two days course offers a comprehensive theoretical and practical review of the accurate sectional plan, assessment of the uterus, ovaries, fallopian tubes and adnexal lesions. The aim is to build on the existing sub-specialization programs and raise training standards internationally and promoting standards in clinical practice through the exchange of ideas, knowledge and experiences.

Who Should Attend?
- All Trainees, specialists and Consultants in obstetrics and gynaecology.
- Those who are registered, or interested in assisted reproduction
- All clinicians involved in the diagnosis, management and counseling of uterine anomalies and antenatal high-risk obstetrics.

Why to attend?
- There will be topics of interest for Advanced Gynecology ultrasound across the two days.
- There is dedicated hands on training sessions that will help improve the candidates skills
- The topics are designed to raise the ultrasound skills

Course Coordinators:
Prof. Dalia El Haieg (Zagazig University)  Prof Rasha Kamel (Cairo University)
<table>
<thead>
<tr>
<th>Course Faculty:</th>
<th>Course Objectives and Philosophy:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Mona Abou El Ghar (Cairo University)</td>
<td>a. To establish more understanding of uterine anatomy and anomalies. It will include 2D assessment of different lesions, uterine fibroids, polyps and congenital Mullerian anomalies.</td>
</tr>
<tr>
<td>Prof. Ahmed El Sheikha (Cairo University)</td>
<td>b. Assessment of the fallopian tubes and tubal patency.</td>
</tr>
<tr>
<td>Prof Adel Gamil (Zagazig University)</td>
<td>c. Principles of 3D and 4D ultrasound and how can you use them.</td>
</tr>
<tr>
<td>Prof Sherif Negm (Cairo University)</td>
<td></td>
</tr>
<tr>
<td>Associate Prof Rehab El Said (Alexandria University)</td>
<td></td>
</tr>
<tr>
<td>Associate Prof Somaya M Sadek (Zagazig University)</td>
<td></td>
</tr>
<tr>
<td>Dr Hisham El Gammal (Alexandria university)</td>
<td></td>
</tr>
<tr>
<td>Dr Rasha Abo Almagd (Zagazig University)</td>
<td></td>
</tr>
</tbody>
</table>
Course Design

- The course duration is 2 days.
- The daily scenario includes lectures that covers the required topics, those are followed by 2 hours of hands on training and life demonstration on patients.
- The course design will allow for greater interactive learning on the day. Case-based discussions will be used to review advanced ultrasound techniques and common clinical dilemmas, as well as rare conditions.
- The lectures includes top quality multimedia for training including videos, pictures and diagrams illustrating the anatomy, anomalies and their appearance on ultrasound and gross pathological examination.
- The candidates will be divided into groups with an allocated trainer for each group who will be in charge of one to one hands on training.
- The candidates will go through a pre and post course questionnaire.

Study Materials:
The candidates will be provided with hand outs and C.D for the lectures, as well a theoretical book will be recommended for further readings, in addition they will be provided with the recommended internet sites for updating their medical knowledge.

Course Venue:
The course will be held in the National Training institute in Cairo, Egypt.

Materials Available for the Course:
A full multimedia lecture hall that is equipped with PC, projector and video projector. Around 8 training stations will be available for the hands on training. High definition ultrasound machines equipped with both trans-abdominal convex and trans-vaginal convex multi-frequency probes. The machines should have Colour and Pulsed Doppler, foetal echocardiography and 3D capabilities. Nursing staff will be provided to help in each station.
Day 1: Tuesday 29 October 2019

8.00-8.30 am: Registration
8.30- 09.00am: Pretest and course introduction session
Course Pretest.
Welcome and introduction to the course.

09.00-10.30: Ultrasound principles and normal anatomy
9:00-9:30 Normal anatomy of the female pelvis seen by TVS. Prof Sherif Negm
9:30-10:00 Principles of Doppler Ultrasound as applied in Gynecology. Dr Rasha Abo Almagd
10:00-10:30 Principles of 3D Ultrasound. Dr Hisham el Gammal

10.30-11.00 live demo
11.00-11.30: Coffee break

11.30 -12.30: Evaluation of the adnexa
11:30-12:00 Types and features of ovarian cysts. Dr Hisham El Gammal
12:00-12:30 Extra ovarian lesions. Prof Dalia El Haieg

12.30-1.30: Early Pregnancy session
12:30-1:00 Assessment of early pregnancy and miscarriage diagnosis. Prof Ahmed El Sheikha
1:00 -1:30 Ectopic pregnancy as seen by US. Prof Ahmed El Sheikha

1.30-2.30 Case discussion
1:30-2:00 Mapping of pelvic endometriosis Prof Dalia El Haieg
2:00-2:30 Just images- Mixed cases

2:30-3:00: lunch break

3.00-5.00: Hands on training session on patients
We will arrange 5 training stations where candidates will alternate on them and each covers a specific training target. Each station will have a dedicated trainer to train the candidates on the required objective.
Day 2: Wednesday 30 October 2019

9.00-9.30 am:
Summary of day 1 lectures

09.30-10.30 Cycle monitoring

9:30-10:00 Ultrasound assessment of ovarian reserve & tubal patency. Prof Mona Aboulghar
10.00 – 10.30 am Ultrasound in ART including Monitoring and Complications. Prof Mona Aboulghar

10.30-11.00: Live Demo

11:00 -11:30 Coffee break

11.30- 12.30:: The endometrium

11:30-12:00 Endometrial pathology and cavitary lesions. Ass. Prof: Rehab El Said
12:00-12-30. Sonohystrography. Prof Rasha kamel

12.30- 1.30: Anomalies of the uterus

12:30-1:00 Assessment of benign uterine lesion. AssProf Somaya Sadek
1:00-1:30 Decoding uterine lesions: Role of color Doppler flow mapping Prof Adel Gamil

1:30-2:30 Case discussion
Dalia El Haieg- Rehab El Said- Somaya Sadek
1:30 -2:00 Mullerinan anomalies Ass. Prof: Rehab El Said
2:00- 2:30 Just images-mixed cases. Prof Dalia El Haieg

2.30:-3:00 lunch break

3:00- 5:00: Hands on training session on patients
We will arrange 5 training stations where candidates will alternate on them and each covers a specific training target
Each station will have a dedicated trainer to train the candidates on the required objective
5.00-5.15: Post Test and closing remarks.