2023 EARS

UPPER EGYPT
ASSISTED REPRODUCTION CONFERENCE
GYNECOLOGY - ANDROLOGY - EMBRYOLOGY

INTRA UTERINE FETAL INTERVENTIONS

14 February, 2023

Cairo Marriott Hotel, Egypt

COURSE



COURSE COORDINATOR



AHMAD ZAKARIA

OVERVIEW

This is a one-day course that offers a comprehensive theoretical and part of practical review of the indications, methodology and feasibility of intra uterine fetal interventions. The course would cover fetal sampling procedures, its role in fetal karyotype and inherited genetic disorders, Fetal transfusion of blood products, insertion of fetal shunts, and fetoscopic procedures. 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?

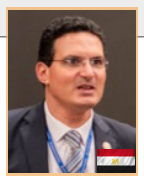
- All Trainees, specialists and Consultants in obstetrics and gynecology.
- Those who are registered, or interested in Advanced Antenatal Practice and Fetal Medicine
- All clinicians involved in the diagnosis, management and counseling of fetal anomalies and antenatal high-risk obstetrics.

WHY TO ATTEND?

- There will be topics of interest in fetal interventions across the course.
- There is dedicated hands on training session that will help improve the candidates' skills
- The topics are designed to raise the ultrasound guided procedures skills

COURSE FACULTY

Prof. **AHMAD ZAKARIA**
FRCOG, MRCOG, M.D,
Diploma of Fetal Medicine



A.Prof. **SARA HESHAM**
Head of department of
Prenatal Diagnosis at
National Research Center



Dr. **NERVANA SABRY**
Senior Fellow Fetal Medicine
Unit at Cairo University



COURSE OBJECTIVES AND PHILOSOPHY

a. Principles of ultrasound guided fetal procedures and how to plan them.
b. To establish more understanding of indications of fetal sampling and its role in prenatal diagnosis.
c. Utilization of different procedures to treat fetal malformations including anemia, obstructive uropathies, diaphragmatic hernia, pleural effusion, and laser separation of monochorionic twins.

COURSE DESIGN

- The course duration is 1 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 models guided by ultrasound on different scenarios of fetal malformations.
- 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 include 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 Marriot Hotel in Cairo, Egypt

MATERIALS AVAILABLE FOR THE COURSE

A full multimedia lecture hall that is equipped with PC, projector and video projector. Around 3 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. Admin staff will be provided to help in each station.

COURSE LAYOUT

09.00- 09.30 REGISTRATION

09.00 - 09.30 Pretest and course introduction session

Course Pretest
- Welcome and introduction to the course
- Set up of machine and place for scan
- Probe orientation and ultrasound terminology

09.30 - 10.30 Principles of ultrasound guided fetal procedures

- Understanding the correct planes
- Orientation and needle placement methods
- Choice of needles, shunts and set up of procedure
- Probe orientation, intra operative monitoring and post operative care

10.30-12.00 Fetal Tissue sampling procedures

- Screening of chromosome abnormalities as an indication of fetal sampling
- Challenges of invasive prenatal testing for monogenic disorders
- Chorionic villous sampling and amniocentesis: timing principles and complications

12.00- 12.30 BREAK

12.30-13.00 Intra uterine fetal transfusion

- Indications
- Fetal Monitoring before and after procedure
- Principles and follow up

13.00-13.30 Other Fetal procedures and their role

- Insertion of fetal shunts in pleural effusion
- Is there a role in obstructive uropathies
- Fetoscopic laser separation of Monochorionic twins.
- Fetoscopic treatment of diaphragmatic Hernia
- Fetoscopic repair of open spina bifida

13.30-15.00 Hands on training session on models

We will arrange 3 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:
- Guiding needles for tissue sampling
- Approach for cordocentesis for fetal transfusion
- Insertion of fetal shunts

15:00-16:00 CLOSING REMARKS AND POST TEST

16:00 LUNCH

PURE SPOT EVENTS MANAGEMENT



PROJECT MANAGER
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