

## **Basic Ultrasound training in Obstetrics and Gynaecology**

( Especially designed for Obstetricians and Gynaecologists following ISUOG Guidelines)

1. Time of Class : 10.30 am to 12.00 noon.

2. Rest of the day candidates stay for hands-on and observation or Lecture ( \* conditions apply on availability of cases, candidate can stay till 6.00 pm)

3. Duration : 30 days with 29 lectures ( one lecture per day), Last day Certificate distribution.

\* Total number of participants : One candidate per batch.

4. Daily maintenance of Log book with USG pictures with teachers signature.

5. Examination on every 15 days with key questions covered in lectures.

6. Lectures designed by ISUOG (International society for Ultrasound in Obstetrics and Gynaecology) Basic Ultrasound training.

7. Fees : Rs 2 Lac ( Rs. 2,00,000)

8. Full payment before joining the course on “Non-refundable basis”. Mode of Payment : Cash/Cheque/Online ( details can be sent after enquiry)

9. Certificate of completion, after the training.

10. Literature to be given to the candidate: 1. Soft-copy of Lectures, 2. Soft-copy ISUOG Guidelines

Course Director : Dr. D’Pankar Banerji. MBBS, MS (ObGyn) ( FMF ID 110759, and Member of International Society of Ultrasound in Obstetrics and Gynecology, (ISUOG) International Society of Prenatal Diagnosis ( ISPD)

Proposed Hand-on training : First trimester sonography with NT-NB scan, Mid-trimester Target ( TIFFA) scan, Trans-vaginal scans for Infertility and Gynec conditions, Hystero-sono-salpingography.

Candidate can OBSERVE : Amniocentesis, Chorion villus biopsy, Ovum pick-up procedure, Embryo transfer

Ultrasound Machines available : Samsung : (a)i10- Hera, (b) WS 80 and (c)HS 70

Place of training : Ideal Fertility IVF and Genetic Center Private Limited, Jabalpur, MP , India

Point of Contact : Mr. Devendra Gour , Phone or Whatsapp : +91-7415553333, email : [info@jabalpurivf.com](mailto:info@jabalpurivf.com) and [devendra@jabalpurivf.com](mailto:devendra@jabalpurivf.com), [dpankar@idealfertility.com](mailto:dpankar@idealfertility.com)

Stay can be arranged at extra cost.

## **Proposed Lectures for Ultrasound training**

Lecture 1: Physics of Ultrasound and Imaging principles of ultrasound

Lecture 2: Type of Transducers, How to use knobs, & scanning planes

Lecture 3: The principles of Doppler ultrasound

Lecture 4: How to assess Quality Control

Lecture 5: Consent, image recording Ultrasound report

Lecture 6: Imaging 4 and 10 weeks Pregnancy in singleton and twin pregnancies

Lecture 7: Imaging 10 and 14 weeks in singleton and twin pregnancies ( Discussion of ISUOG practice guidelines)

Lecture 8: Cervical assessment

Lecture 9: The 6-steps approach

Lecture 10: Fetal biometry: dating, assessing size and estimating fetal weight ( Discussion of ISUOG guidelines)

Lecture 11: Assessing the placenta & amniotic fluid in singleton & twin pregnancies

Lecture 12: Distinguishing between normal and abnormal appearances of the fetal anatomy

Lecture 13: Distinguishing between normal & abnormal fetal size & growth patterns in singleton & twin pregnancies ( ISUOG Guidelines)

Lecture 14: Umbilical and uterine artery Doppler studies ( ISUOG Guidelines)

Lecture 15: The 20 + 2 planes approach to the routine mid-trimester scan ( ISUOG guidelines for Mid trimester )

Lecture 16: Evaluating fetal anatomy from longitudinal sections

Lecture 17: Distinguishing between normal and abnormal appearances of the skull and brain ( ISUOG guidelines for Fetal Nervous System Part1 and Part 2)

Lecture 18: Examining the upper lip, face and profile

Lecture 19: Assessing the neck and chest

Lecture 20: Obtaining and interpreting heart views ( ISUOG Guidelines for Fetal Cardiac Screening)

Lecture 21: Examining the abdomen and anterior abdominal walls

Lecture 22: Distinguishing between normal and abnormal appearances of the urinary tract

Lecture 23: Distinguishing between normal & abnormal appearances of the long bones & extremities

Lecture 24: Making a decision: normal or not?

Lecture 25: Gynecological ultrasound: the basics

Lecture 26: Examining the uterus: cervix and endometrium

Lecture 27: Examining the uterus: myometrium

Lecture 28: Typical ultrasound appearances of the most common pathologies in the adnexae

Lecture 29: Writing the gynecological ultrasound report

Extra : If Time Permits :

1. ISUOG practice guidelines for fetal Invasive procedures
2. ISUOG guidelines for twin pregnancy
3. ISUOG guidelines for Follow-up of preeclampsia
4. Fetal Medicine Foundation guidelines for screening Aneuploidy in early pregnancy

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