**ISUOG Basic Training**

**Essentials of Obstetrics and Gynecology Ultrasound**

**Course Chair: Dr. Basma Darwish**

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| **Time** | **Lecture** | **Speakers** |
| **Day 1 : 11 December 2022** | | |
| 08:00 - 08:15 | Registration |  |
| 08:15 - 08:40 | Welcome + Introduction |  |
| **Pre-Course Assessment** | | |
|  | 1. **Basics of Scanning** |  |
| 08:40 - 09:00 | **Lecture 1:** Physical principles of ultrasound including safety  **Lecture 2**: Transducers, image production, knobology & scanning planes TA & TV  **Lecture 4:** Quality control processes for operators & programmes  **Lecture 5**: Informed consent, image recording and report writing | Dr. Basma Darwish |
| 09:00 - 09:20 | **Lecture 6**: Assessing the normal pregnancy between 4 and 10 weeks in singleton and twin pregnancies  **Lecture 7**: Assessing the normal pregnancy between 10 and 14 weeks in singleton and twin pregnancies | Dr. Naeema Mahmood |
| 09:20 - 09:40 | **Lecture 9**: The 6 steps approach | Dr. Saba Al Othman |
|  | 1. **Approach to Fetal Biometry** |  |
| 09:40 - 10:00 | **Lecture 10**: Fetal biometry – dating, assessing size and estimating fetal weight  **Lecture 11**: Assessing the placenta & amniotic fluid in singleton & twin pregnancies  **Lecture 13**: Distinguishing between normal and abnormal fetal size and growth | Dr. Fakhriya Fakhroo |
| 10:00 – 10:15 | **Questions** |  |
| 10:15 - 10:30 | **Break** |  |
| 10:30 – 12:30 | **Practical Ultrasound Training (Hands-on Simulator) – First Trimester Scan** | All Speakers |

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| 12:30 – 13:30 | **Lunch Break** |  |
|  | 1. **Doppler Ultrasound and Approach to Mid Trimester Scan** |  |
| 13:30 – 13:50 | **Lecture 3:** The principles of Doppler ultrasound  **Lecture 14**: Umbilical and uterine artery Doppler studies | Dr. Naeema Mahmood |
| 13:50 – 14:15 | **Lecture 15**: The 20 + 2 planes approach to the routine mid trimester scan | Dr. Saba Al Othman |
| 14:15 – 16:15 | **Practical Ultrasound Training (Hands-on Simulator) – 6-step approach + Fetal Biometry** | All Speakers |
| 16:15 – 16:30 | Closing of Day 1 |  |
| **Time** | **Lecture** | **Speakers** |
| **Day 2: 12 December 2022** | | |
| 08:00 – 08:15 | **Welcome / Reflection** |  |
|  | 1. **Approach to Fetal Anatomy and Anomalies** |  |
| 08:15 – 08:30 | **Lecture 12**: Distinguishing between normal and abnormal appearances of the fetal anatomy  **Lecture 16**: Evaluating fetal anatomy from longitudinal sections | Dr. Basma Darwish |
| 08:30 – 08:45 | **Lecture 17**: Distinguishing between normal and abnormal appearances of the skull and brain | Dr. Naeema Mahmood |
| 08:45 – 09:00 | **Lecture 18**: Examining the upper lip, face and profile correctly | Dr. Fakhriya Fakhroo |
| 09:00 – 09:15 | **Lecture 19**: Assessing the neck and chest | Dr. Saba Al Othman |
| 09:15 – 09:30 | **Break** |  |
| 09:30 – 09:45 | **Lecture 20**: Obtaining and interpreting heart views | Dr. Naeema Mahmood |
| 09:45 – 10:00 | **Lecture 21**: Examining the abdomen and anterior abdominal walls | Dr. Basma Darwish |
| 10:00 – 10:15 | **Lecture 22**: Distinguishing between normal and abnormal appearances of the urinary tract | Dr. Fakhriya Fakhroo |
| 10:15 – 10:30 | **Lecture 23**: Distinguishing between normal & abnormal appearances of the long bones & extremities  **Lecture 24**: Making a decision, normal or not | Dr. Saba Al Othman |
| 10:30 – 11:00 | **Break** |  |
| 11:00 – 13:00 | **Practical Ultrasound Training (Hands-on Simulator) – 20 + 2 step approach** |  |
| 13:00 – 14:00 | **Lunch Break** |  |

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|  | 1. **Approach to Gynecological Ultrasound Scanning** |  |
| 14:00 – 14:15 | **Lecture 25**: The basics of a gynaecological ultrasound (TA & TV) walkthrough | Dr. Basma Darwish |
| 14:15 – 15:00 | **Lecture 26**: Examining the uterus: cervix and endometrium  **Lecture 8**: Cervical assessment | Dr. Naeema Mahmood |
| 15:00 – 15:15 | **Lecture 27**: Examining the uterus: myometrium | Dr. Saba Al Othman |
| 15:15 – 15:45 | **Lecture 28**: Examining the ovaries and adnexae  **Lecture 29**: Typical ultrasound appearances of the most common pathologies in the adnexae  **Lecture 30**: Writing the gynecological ultrasound report | Dr. Basma Darwish |
| 15:45 – 16:00 | **Break** |  |
| 16:00 – 18:00 | **Practical Ultrasound Training (Hands-on Simulator) – Gynecological Scan** |  |
| 18:00 – 18:15 | Closing of Day 2 |  |
| **Post-Course Assessment** | | |