



## The Basic Training full theoretical program on ultrasound in obstetrics and gynecology

Course chairs: Dr Titia Cohen-Overbeek and Dr Suresh Seshadri

### Day 1: Principles of ultrasound and the obstetric scan

Thursday 27th September

Coordinators: Dr Nagalakshmi & Dr Shinde

Time	Lecture
09:15-09:30	Welcome and Introduction <i>Dr Suresh Seshadri</i>
09:30-09:45	Pre-course test
09:50-10:10	Physical principles of ultrasound including safety <i>Dr Suresh Seshadri</i>
10:10-10:20	Physical principles of ultrasound including safety (Film)
10:20-10:50	Transducers, image production, knobology and scanning planes TA & TV <i>Dr Titia Cohen-Overbeek</i>
10:50-11:05	Live demo 1 - Knobology <i>Dr Suresh Seshadri</i>
11:05-11:15	Discussion
11:15-11:45	Refreshment break
11:45-12:15	The 6 steps approach <i>Prof Jon Hyett</i>
12:15-12:45	Fetal biometry - dating, assessing size & estimating fetal weight <i>Dr Trish Chudleigh</i>
12:45-13:00	Live demo 2 - Biometry <i>Prof Jon Hyett &amp; Dr Nagalakshmi</i>
13:00-13:15	Discussion
13:15-14:15	Lunch break
14:15-14:45	Assessing the normal pregnancy between 10 & 14 weeks in singleton & twin pregnancies <i>Dr Trish Chudleigh</i>
14:45-15:15	Distinguishing between normal & abnormal fetal size and growth <i>Dr Roopa Shinde</i>
15:15-15:45	Assessing the placenta & amniotic fluid in singleton & twin pregnancies <i>Prof Jon Hyett</i>
15:45-16:00	Live demo 3 - AFI & placenta (3 <sup>rd</sup> trimester) <i>Dr Roopa Shinde</i>
16:00-16:15	Discussion
16:15-16:45	Post-course test

**Day 2: The obstetric scan including Doppler**

Friday 28th September

Coordinators: Dr Nagalakshmi &amp; Dr Ambika

Time	Lecture
08:30-08:45	Pre-course test
08:45-09:30	The principles of Doppler ultrasound <i>Dr Titia Cohen-Overbeek</i>
09:30-10:15	Umbilical & uterine artery Doppler studies <i>Prof Jon Hyett</i>
10:15-10:30	Live demo 4 - Umbilical and uterine artery Doppler <i>Dr Suresh Seshadri &amp; Dr Ambika</i>
10:30-10:45	Discussion
10:45-11:15	Refreshment break
11:15-11:45	Discussion
11:15-11:45	Informed consent, image recording & report writing <i>Dr Suresh Seshadri</i>
11:45-12:15	Quality control processes for operators & programs <i>Prof Jon Hyett</i>
12:15-12:35	Cervical assessment <i>Uma Ram</i>
12:35-12:45	Live demo 5 - Cervical assessment <i>Dr Suresh Seshadri &amp; Uma Ram</i>
12:45-13:00	Discussion
13:00-14:00	Lunch break
14:00-14:30	The 20 + 2 planes approach to the routine mid trimester scan <i>Dr Trish Chudleigh</i>
14:30-15:00	Evaluating fetal anatomy from longitudinal sections <i>Dr Titia Cohen-Overbeek</i>
15:00-15:30	Distinguishing between normal & abnormal appearances of the skull and brain <i>Dr Suresh Seshadri</i>
15:30-16:00	Examining the upper lip, face & profile correctly <i>Dr Trish Chudleigh</i>
16:00-16:15	Live demo 6 - Fetal anatomy (2 <sup>nd</sup> trimester) <i>Dr Suresh Seshadri &amp; Dr Harshika</i>
16:15-16:30	Discussion
16:30-17:00	Post-course test



**Day 3: Fetal anomalies**  
 Saturday 29th September  
 Coordinators: Dr B Suresh & Dr Chandini

Time	Lecture
08:30-08:45	Pre-course test
08:45-09:15	Assessing the neck & chest <i>Dr Titia Cohen-Overbeek</i>
09:15-10:00	Obtaining & interpreting heart views <i>Prof Jon Hyett</i>
10:00-10:30	Examining the abdomen & anterior abdominal wall <i>Dr Suresh Seshadri</i>
10:30-10:45	Live demo 7 - Chest, 4 chamber hear and abdomen <i>Prof Jon Hyett &amp; Dr Rekha</i>
10:45-11:00	Discussion
11:00-11:30	Refreshment break
11:30-12:00	Distinguishing between normal & abnormal appearances of the urinary tract <i>Dr Divya Singh</i>
12:00-12:30	Distinguishing between normal & abnormal appearances of the long bones & extremities <i>Dr Indrani Suresh</i>
12:30-12:45	Live demo 8 - Urinary tract, extremities and transverse sweep <i>Dr Indrani Suresh</i>
12:45-13:00	Discussion
13:00-14:00	Lunch break
14:00-14:30	Distinguishing between normal & abnormal appearances of the fetal anatomy <i>Dr Trish Chudleigh</i>
14:30-15:00	Making a decision, normal or not <i>Dr Titia Cohen-Overbeek</i>
15:00-15:30	Quiz on normal and abnormal images <i>Vijayalakshmi Raja</i>
15:30-15:45	Discussion
15:45-16:15	Post-course test

**Day 4: The gynecological scan and early pregnancy**

Sunday 30th September

Coordinators: Dr Raghavan and Dr Vaishnavi

Time	Lecture
08:30-08:45	Pre-course test
08:45-09:25	The basics of a gynecological ultrasound walkthrough (TA & TV) <i>Dr Shabnam Bobdiwala</i>
09:25-09:55	Examining the uterus: cervix & endometrium <i>Sridevi Veera</i>
09:55-10:25	Examining the uterus: myometrium <i>Dr Shabnam Bobdiwala</i>
10:25-10:40	Live demo 9 - Normal gynecological scan <i>Dr Nithyakalyani &amp; Dr Mala Sibal</i>
10:40-10:55	Discussion
10:55-11:25	Refreshment break
11:25-11:55	Examining the ovaries and adnexae <i>Dr Nithyakalyani</i>
11:55-12:25	Typical ultrasound appearances of the most common pathologies in the adnexae <i>Dr Mala Sibal</i>
12:25-12:55	Discussion
12:55-13:55	Lunch break
13:55-14:40	Assessing the normal pregnancy between 4 & 10 weeks in singleton & twin pregnancies <i>Dr Shabnam Bobdiwala</i>
14:40-15:10	Writing the gynecological ultrasound report <i>Dr Mala Sibal</i>
15:10-15:25	Discussion
15:25-15:55	Post-course test
15:55-16:25	Concluding discussion and presentation of certificates of attendance