



ISUOG BT FLEX PROGRAM

4 weeks: Monday 31 October – Saturday 26 November 2022

WEEK 1: Monday 31 October – Saturday 6 November 2022

Monday 31 October – Friday 5 November: Study plan:

BT Flex week 1 study components: Monday 1 to Saturday 6 November			
Lectures [ESSENTIAL]	Practical instruction videos [ESSENTIAL]	Further reading [SUGGESTED]	Approximate study time
Monday 31 October			
<p><i>Lecture 1:</i> Physical principles of ultrasound including safety</p> <p><i>Lecture 2:</i> Transducers, image production, knobology & scanning planes TA & TV</p>	<p>The principles of ultrasound</p> <p>ISUOG - Plan your movements and improve your image</p> <p>Practical Demo: live demonstration with trainee, demonstration knobology (From BT Flex 2021 by Divya Singh)</p>		1 hour and 20 minutes
Tuesday 1 November			
<p><i>Lecture 3:</i> The principles of Doppler ultrasound*</p>	<p>Practical Demo: Measurement of uterine artery Doppler:</p> <p>Practical demo: of Doppler principles (From BT Flex 2021 by Suresh Seshadri)</p>	<p><i>Ultrasound in Obstetrics and Gynecology: A practical approach</i> [Chapters 1-3]</p>	50 minutes
Wednesday 2 November			
<p><i>Lecture 4:</i> Quality control processes for operators & programmes*</p> <p><i>Lecture 5:</i> Informed consent, image recording and report writing</p>	<p>Train the Basic Training trainee - How to prepare and counsel the patient</p>		1 hour
Thursday 3 November			
<p><i>Lecture 6:</i> Assessing the normal pregnancy between 4 and 10 weeks in singleton and twin pregnancies</p> <p><i>Lecture 7:</i> Assessing the normal pregnancy between 10 and 14 weeks in singleton and twin pregnancies</p>	<p>The basic steps of an obstetric ultrasound:</p> <p>Practical demonstration: scan showing key features e.g. mean sac, CRL, caliper placement and image optimisation (From BT Flex 2021 by Divya Singh)</p> <p>Practical demonstration: example of NT showing quality control (From BT Flex 2021 by Gihad Chalouhi)</p>	<p><i>Ultrasound in Obstetrics and Gynecology: A practical approach</i> [Chapter 4]</p>	1 hour and 25 minutes
Friday 4 November			
<p><i>Lecture 8:</i> Cervical assessment*</p> <p><i>Lecture 9:</i> The 6 steps approach</p>	<p>Live demonstration: cervical Assessment</p>	<p><i>Ultrasound in Obstetrics and Gynecology: A</i></p>	1 hour and 10 minutes



	<p>ISUOG “The 6 steps Approach”</p> <p>The ISUOG Basic Training practical curriculum: how to teach and assess the Basic Training trainee</p> <p>Practical Demo: The 6 step approach</p> <p>Practical demonstration: Techniques for cervical assessment and examples (low lying placenta, funneling, cerclage, short, protrusion,)</p> <p>(From BT Flex 2021 by Suresh Seshadri)</p>	<i>practical approach</i> [Chapter 10]	
Multiple choice test			10 minutes

Saturday 6 November: **LIVE webinar** starting at 12:00 PM GMT:

BT Flex webinar	Week 1: Basic Training's Basics of Scanning	
Date	Saturday 5 November 2022, 12:00 GMT	
Chairs	Suresh Seshadri (India)	
Live Speakers	Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)	
Time	Agenda	Speaker(s)
12:00	Introduction	Gihad Chalouhi (France)
12:05	Lecture summary: Physical principles of ultrasound	Titia Cohen-Overbeek (Netherlands) (from 2021)
12:15	Lecture summary: Transducers, knobology, etc.	Divya Singh (India) (from 2021)
12:22	Lecture summary: The principles of Doppler	Suresh Seshadri (India) (from 2021)
12:30	Lecture summary: Quality control processes	Suresh Seshadri (India) (from 2021)
12:35	Lecture summary: Informed consent incl. checklist	Titia Cohen-Overbeek (Netherlands) (from 2021)
12:45	Lecture summary: Cervical assessment	Suresh Seshadri (India) (from 2021)
12:50	Lecture summary: Assessing the normal pregnancy from 4-10 weeks	Basma Darwish (Bahrain) (from 2021)
12:55	Lecture summary: Assessing the normal pregnancy from 10-14 weeks	Divya Singh (India) (from 2021)
13:00	Lecture summary: The 6-step approach	Basma Darwish (Bahrain) (from 2021)
13:05	Interactive Q&A	Suresh Seshadri (India), Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)
13:20	Break	
13:30	Transducers, image production, knobology & scanning planes TA & TV	Basma Darwish (Bahrain)



	<ul style="list-style-type: none"> [• Freeze • Focus • Gain • Depth • Magnification • Locate TI/MI • Probe selection and proper orientation] 	
13:50	Assessing the normal pregnancy between 4 and 10 weeks in singleton and twin pregnancies <ul style="list-style-type: none"> [• Mean sac diameter • CRL] 	Suresh Seshadri (India)
14:10	Assessing the normal pregnancy between 10 and 14 weeks in singleton and twin pregnancies <ul style="list-style-type: none"> [• CRL] 	Basma Darwish (Bahrain)
14:30	The 6 steps approach <ul style="list-style-type: none"> [•Fetal presentation •Amniotic fluid index • Maximum vertical pocket] 	Gihad Chalouhi (france)
15:00	Interactive session	Suresh Seshadri (India), Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)
15:30	Close of week 1	Gihad Chalouhi (France)