



## 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:

<b>BT Flex week 1 study components: Monday 31 October to Saturday 6 November</b>			
<b>Lectures [ESSENTIAL]</b>	<b>Practical instruction videos [ESSENTIAL]</b>	<b>Further reading [SUGGESTED]</b>	<b>Approximate study time</b>
<b>Monday 31 October</b>			
<p><i>Lecture 1:</i> Physical principles of ultrasound including safety</p> <p><i>Lecture 2:</i> Transducers, image production, knobology &amp; scanning planes TA &amp; 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
<b>Tuesday 1 November</b>			
<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
<b>Wednesday 2 November</b>			
<p><i>Lecture 4:</i> Quality control processes for operators &amp; 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
<b>Thursday 3 November</b>			
<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</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><i>Ultrasound in Obstetrics and Gynecology: A practical approach</i> [Chapter 4]</p>	1 hour and 25 minutes



10 and 14 weeks in singleton and twin pregnancies	Practical demonstration: example of NT showing quality control (From BT Flex 2021 by Gihad Chalouhi)		
<b>Friday 4 November</b>			
<i>Lecture 8: Cervical assessment*</i>	Live demonstration: cervical Assessment	<i>Ultrasound in Obstetrics and Gynecology: A practical approach</i> [Chapter 10]	1 hour and 10 minutes
<i>Lecture 9: The 6 steps approach</i>	ISUOG “The 6 steps Approach”  The ISUOG Basic Training practical curriculum: how to teach and assess the Basic Training trainee  Practical Demo: The 6 step approach  Practical demonstration: Techniques for cervical assessment and examples (low lying placenta, funneling, cerclage, short, protrusion,) (From BT Flex 2021 by Suresh Seshadri)		
Multiple choice test			10 minutes

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

<b>BT Flex webinar</b>	Week 1: Basic Training's Basics of Scanning	
<b>Date</b>	Saturday 5 November 2022, 12:00 GMT	
<b>Chairs</b>	Suresh Seshadri (India)	
<b>Live Speakers</b>	Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)	
<b>Time</b>	<b>Agenda</b>	<b>Speaker(s)</b>
12:00	<b>Introduction</b>	Gihad Chalouhi (France)
12:05	<b>Lecture summary:</b> Physical principles of ultrasound	Titia Cohen-Overbeek (Netherlands) (from 2021)
12:15	<b>Lecture summary:</b> Transducers, knobology, etc.	Divya Singh (India) (from 2021)
12:22	<b>Lecture summary:</b> The principles of Doppler	Suresh Seshadri (India) (from 2021)
12:30	<b>Lecture summary:</b> Quality control processes	Suresh Seshadri (India) (from 2021)
12:35	<b>Lecture summary:</b> Informed consent incl. checklist	Titia Cohen-Overbeek (Netherlands) (from 2021)



12:45	<b>Lecture summary:</b> Cervical assessment	Suresh Seshadri (India) (from 2021)
12:50	<b>Lecture summary:</b> Assessing the normal pregnancy from 4-10 weeks	Basma Darwish (Bahrain) (from 2021)
12:55	<b>Lecture summary:</b> Assessing the normal pregnancy from 10-14 weeks	Divya Singh (India) (from 2021)
13:00	<b>Lecture summary:</b> The 6-step approach	Basma Darwish (Bahrain) (from 2021)
13:05	<b>Interactive Q&amp;A</b>	Suresh Seshadri (India), Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)
<b>13:20</b>	<b>Break</b>	
13:30	<b>Transducers, image production, knobology &amp; scanning planes TA &amp; TV</b> [• Freeze • Focus • Gain • Depth • Magnification • Locate TI/MI • Probe selection and proper orientation]	Basma Darwish (Bahrain)
13:50	<b>Assessing the normal pregnancy between 4 and 10 weeks in singleton and twin pregnancies</b> [• Mean sac diameter • CRL]	Suresh Seshadri (India)
14:10	<b>Assessing the normal pregnancy between 10 and 14 weeks in singleton and twin pregnancies</b> [• CRL]	Basma Darwish (Bahrain)
14:30	<b>The 6 steps approach</b> [•Fetal presentation •Amniotic fluid index • Maximum vertical pocket]	Gihad Chalouhi (france)
15:00	<b>Interactive session</b>	Suresh Seshadri (India), Basma Darwish (Bahrain) and Gihad Chalouhi (France /Lebanon)
15:30	<b>Close of week 1</b>	Gihad Chalouhi (France)