

## OSATS: RCOG Basic Ultrasound Scan competency

### Second and Third Trimester Obstetric Ultrasound Scan



GIG  
CYMRU  
NHS  
WALES

Addysg a Gwella Iechyd  
Cymru (AaGIC)  
Health Education and  
Improvement Wales (HEIW)

This framework is designed to:

1. Enable judgement of competency in ultrasound examination in the second and third trimester as per the RCOG curriculum
2. To provide specific, constructive feedback to the trainee about their performance

<b>Trainee name:</b>	<b>StR Year:</b>
<b>Date:</b>	<b>Trainer name:</b>

<b>Brief anonymised details of ultrasound (trainee to complete)</b>

<p><b>For each skill, please tick 'Level of Entrustability' attained by trainee during this ultrasound scan. Not all skills need to be evaluated at all assessments.</b></p> <p>Level 1 = Trainee has observed skill</p> <p>Level 2 = Trainee entrusted to act under direct supervision</p> <p>Level 3/4 = Trainee entrusted to act under indirect supervision</p> <p>Level 5 = Trainee entrusted to act independently</p>
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	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3/4</b>	<b>Level 5</b>	<b>Feedback</b>
<b>Pre-ultrasound knowledge</b>					
Understands indication for USS					
Consent for USS					
Chaperone and privacy					
Patient positioning					

Ergonomics to minimise RSI					
USS image labelling and storage					
Probe hygiene					
Principles of scan initiation					
Correct probe selection					
Image/probe orientation					
Knobology					
Second / Third Trimester specifics (transabdominal scan)					
Identify foetal number, lie, and presentation					
Confirm foetal cardiac activity in B-mode					
<p>Measure foetal head circumference</p> <p>Skull fills 2/3<sup>rd</sup> image, focus correct, axial plane, symmetry of hemispheres, midline falx, thalami, cavum septum pellucidum, cerebellum and orbits absent, circumference measured as outside edge of skull bones</p>					
<p>Measure foetal abdominal circumference</p> <p>Abdomen fills 2/3<sup>rd</sup> image, focus correct, axial plane, circular abdomen, spine cross sections at 3 or 9 o'clock, stomach, intrahepatic portion of umbilical vein, 1 rib each side, no kidneys, surrounding skin complete, circumference measured as outside edge of skin</p>					
Measure femur length					

Femur fills 2/3 <sup>rd</sup> of image, focus correct, whole femur diaphysis seen, USS beam perpendicular to long axis of bone (bone horizontal in image), measured to outer edge of ossified diaphysis, spurs not included					
Placental localisation Relationship to cervix including image to demonstrate presenting part below leading placental edge					
Assessment of liquor volume Amniotic Fluid Index (AFI; measured in 4 quadrants) and Deepest Vertical Pool (DVP)					
Post-ultrasound knowledge					
Referral, follow up or intervention as required					
Accurate documentation of measurements / Written focussed summary of results					
Communicate normal and abnormal results to parents					
Probe hygiene					
Areas for development					

**Trainee Signature:**

**Trainer Signature:**

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## First Trimester Obstetric Ultrasound Scan



**All trainees should have evidence of completion of the StratOG e-learning module “Principles of USS” with a certificate of completion uploaded to the RCOG e-portfolio.**

<b>Trainee name:</b>	<b>StR Year:</b>
<b>Date:</b>	<b>Trainer name:</b>

<b>Brief anonymised details of ultrasound (trainee to complete)</b>

**For each skill, please tick ‘Level of Entrustability’ attained by trainee during this ultrasound scan. Not all skills need to be evaluated at all assessments.**

Level 1 = Trainee has observed process  
 Level 2 = Trainee entrusted to act under direct supervision  
 Level 3/4 = Trainee entrusted to act under indirect supervision  
 Level 5 = Trainee entrusted to act independently

		Level 2	Level 3/4	Level 5	Feedback
Pre-ultrasound knowledge					
Understand indication for USS					
Consent for USS					
Chaperone and privacy					
Patient positioning					
Ergonomics to minimise RSI					

USS image labelling and storage					
Probe hygiene					
Principles of scan initiation					
Correct probe selection					
Image/probe orientation					
Knobology					
First Trimester specifics (8-12 weeks, transabdominal scan)					
Identify maternal bladder, uterus, pouch of Douglas, ovaries					
Identify normal features of gestation sac					
Confirm gestational sac intrauterine					
Identify yolk sac					
Identify foetal number					
Identify and cardiac activity (confirm in B-mode)					
Recognise foetal death					
Measure crown-rump length					
Appreciate features of a pseudo-sac					

Identify free fluid					
Post-ultrasound knowledge					
Referral, follow up or intervention as required					
Accurate documentation of measurements / Written focussed summary of results					
Communicate normal and abnormal results to parents					
Probe hygiene					
Areas for development					

**Trainee signature:**

**Trainer signature:**

