

# In-Hospital Clinical Assessment (WBA): Ultrasound



The Royal Australian  
and New Zealand  
College of Obstetricians  
and Gynaecologists  
*Excellence in Women's Health*

## In Hospital Clinical Assessments WBA (IHCA)

All trainees are required to satisfactorily complete In-hospital Clinical Assessment WBA (IHCA) before the end of core training. To achieve the required skill level, trainees must be assessed and signed off as competent to perform the tasks independently.

## Requirements of the Ultrasound IHCA

This Ultrasound IHCA consists of four compulsory Competency assessment sections. These can be done separately, as formative development of skills and then as summative assessments of overall competence.

- Diagnostic Ultrasound - Basic first trimester assessment using transvaginal approach
- Diagnostic Ultrasound - Basic first trimester assessment using transabdominal approach
- Diagnostic Ultrasound - Basic mid trimester assessment
- Diagnostic Ultrasound - Basic third trimester assessment

A Trainee **must** achieve a ranking of **three or above** in **all** listed skill areas, to achieve an overall assessment of 'competent' in each competency being assessed.

## Format

Using the relevant criteria rating form, the assessor will rate the candidate's performance in a number of defined skill areas. The role of the assessor is mainly that of an observer, but he/she may also examine the patients to check the accuracy of the candidate's assessment. The candidate is encouraged to explain what he/she is doing during the examination and to comment on findings as they occur. After each patient, the assessor may ask the candidate to summarise the results of the ultrasound assessment.

**Before being assessed for a summative assessment, trainees are strongly encouraged to complete a minimum of 3 formative assessments, including feedback. Only the summative assessment has to be submitted to the College.**

## Setting

The assessment will be conducted in the hospital in which the trainee is currently employed. It will take place in a normal scheduled clinic session using ultrasound equipment with which the candidate is familiar. The assessment should normally be completed within a two-hour period during one clinic session.

## Number of patients

The assessor must observe the candidate examining at least three patients in a normally scheduled clinic session. At least one of these must be in the first trimester of pregnancy, at least one must be in the second trimester, and at least one must be in the third trimester.

## Assessor

All Assessors for a summative assessment must be RANZCOG-approved. A list of approved assessors is available on the RANZCOG website (under Education and Training/Specialist Training/Assessment and workshop forms <https://www.ranzcog.edu.au/Training/Specialist-Training/Online-portfolio-assessments/In-Hospital-Clinical-Assessments>).

In Australia and New Zealand, the assessor for the In-hospital Clinical Assessment in Diagnostic Ultrasound must be a Fellow of the RANZCOG who holds the Certificate in Obstetrical and Gynaecological Ultrasound (COGU), the Certificate in Maternal-Fetal Medicine (CMFM), the DDU, or a suitably qualified sonographer or radiologist with an interest in obstetric scanning recommended by the local FRANZCOG Training program/ITP Coordinator.

Training Supervisors can be an assessor if they are a RANZCOG-approved Ultrasound Assessor. Outside Australia and New Zealand, the assessor must be a specialist obstetrician/gynaecologist of consultant status who has expertise in diagnostic ultrasound and has been approved for that purpose by the Chairman of the Education & Assessment Committee. A formative assessment may be assessed by a RANZCOG Fellow.

## Administration

- Assessors should be given ONE MONTH notice that they are requested to assess this module.
- The Summative Ultrasound IHCA consists of four separate competencies. For FRANZCOG trainees, the assessment form that includes the four completed criteria assessment forms, must be uploaded into your online training portfolio. SIMGs should submit the form by email to [simg@ranzcog.edu.au](mailto:simg@ranzcog.edu.au).
- In the event of a repeat summative attempt, the Trainee must be assessed by two assessors from the College list of authorised assessors of IHCA modules. In the event of conflict or recurrent failure, the relevant Regional Training Accreditation Committee Chair may assist the candidate in the selection of assessors and/or a mentor.
- The originals must be kept by the Trainee.
- A record of satisfactory completion of the Ultrasound IHCA will only be made upon review of the Assessment form by College House.

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## Trainee details (please print)

FAMILY NAME		GIVEN NAME(S)		TRAINEE ID no.	
HOSPITAL				YEAR LEVEL	

## Competency being assessed (please tick)

- Diagnostic Ultrasound - Basic first trimester assessment using transvaginal approach
- Diagnostic Ultrasound - Basic first trimester assessment using transabdominal approach
- Diagnostic Ultrasound - Basic mid-trimester assessment
- Diagnostic Ultrasound - Basic third trimester assessment

## Assessment

<input type="checkbox"/> Formative	<input type="checkbox"/> Summative (must be assessed by a RANZCOG approved assessor)		
This assessment is based on observation with	_____ Patients (min 3)	Over a period of	_____ Hours
<b>This trainee is competent to perform these procedures independently</b> (a Trainee <b>must</b> achieve a ranking of <b>three or above</b> in <b>all</b> listed skill areas, to achieve an overall assessment of 'competent')			<input type="checkbox"/> Tick if competency achieved

Assessor*		
Full Name (please print)		Approved Assessor*
Signature		Y <input type="checkbox"/> N <input type="checkbox"/>

\* A summative assessment for this IHCA must be performed by a RANZCOG approved assessor

Trainee signature

Training Supervisor	
Full Name (please print)	
Signature	

FRANZCOG trainees please upload all pages of this form into your online portfolio.

SIMG assessment forms can be emailed to [simg@ranzco.edu.au](mailto:simg@ranzco.edu.au).

You are advised to retain the original.

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## Diagnostic Ultrasound – Basic First Trimester Assessment

Basic first trimester assessment using **transvaginal** approach

Assessment					
<b>Explain examination</b>	1 Incomplete or misinformation in explanation	2	3 Explanation complete but brief	4	5 Fully succinct explanation with indication and limitations
<b>Enter patient details into machine</b>	1 Unable to complete task correctly	2	3 Accurate but not familiar with machine	4	5 Excellent knowledge of machine and accurate data input
<b>Selection of probe and routine examination presets</b>	1 Inappropriate probe or inability to select settings	2	3 Correct but some hesitancy in use of equipment	4	5 Correct and confident use of equipment
<b>Use of depth, focus and zoom functions</b>	1 Suboptimal image quality	2	3 Optimises image but uncertainty in use of machine functions	4	5 Optimises image appropriately with familiarity
<b>Demonstrate uterus, endometrial cavity and cervix</b>	1 Incomplete demonstration	2	3 Structures demonstrated but unsystematic approach	4	5 Systematic approach in both transverse and longitudinal planes
<b>Measure gestation sac</b>	1 Incorrect measurement	2	3 Hesitancy in image acquisition	4	5 Systematic image acquisition and measurement
<b>Measure fetal pole</b>	1 Incorrect measurement	2	3 Hesitancy in image acquisition	4	5 Systematic image acquisition and measurement
<b>Demonstrate and record fetal heart motion</b>	1 Incorrect record	2	3 Uncertainty in obtaining measurement	4	5 Obtains measurement confidently
<b>Records examination</b>	1 Inappropriate images recorded	2	3 Inconsistency in image quality recorded	4	5 Consistently records correct images
<b>Explain findings to patient</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Full succinct explanation with limitations
<b>Write report</b>	1 Deficient information and inaccurate approach	2	3 Accurate but disorganised approach	4	5 Accurate information in a well-structured manner

### Trainee details

(please print)

FULL NAME		SIGNATURE	
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### Assessor details

(please print)

FULL NAME		SIGNATURE		DATE	
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## Diagnostic Ultrasound – Basic First Trimester Assessment

Basic first trimester assessment using **transabdominal** approach

Assessment					
<b>Explain examination</b>	1 Incomplete or misinformation in explanation	2	3 Explanation complete but brief	4	5 Fully succinct explanation with indication and limitations
<b>Enter patient details into machine</b>	1 Unable to complete task correctly	2	3 Accurate but not familiar with machine	4	5 Excellent knowledge of machine and accurate data input
<b>Selection of probe and routine examination presets</b>	1 Inappropriate probe or inability to select settings	2	3 Correct but some hesitancy in use of equipment	4	5 Correct and confident use of equipment
<b>Use of depth, focus and zoom functions</b>	1 Suboptimal image quality	2	3 Optimises image but uncertainty in use of machine functions	4	5 Optimises image appropriately with familiarity
<b>Demonstrate uterus, endometrial cavity and cervix</b>	1 Incomplete demonstration	2	3 Structures demonstrated but unsystematic approach	4	5 Systematic approach in both transverse and longitudinal planes
<b>Measure gestation sac</b>	1 Incorrect measurement	2	3 Hesitancy in image acquisition	4	5 Systematic image acquisition and measurement
<b>Measure fetal pole</b>	1 Incorrect measurement	2	3 Hesitancy in image acquisition	4	5 Systematic image acquisition and measurement
<b>Demonstrate and record fetal heart motion</b>	1 Incorrect record	2	3 Uncertainty in obtaining measurement	4	5 Obtains measurement confidently
<b>Records examination</b>	1 Inappropriate images recorded	2	3 Inconsistency in image quality recorded	4	5 Consistently records correct images
<b>Explain findings to patient</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Full succinct explanation with limitations
<b>Write report</b>	1 Deficient information and inaccurate approach	2	3 Accurate but disorganised approach	4	5 Accurate information in a well-structured manner

### Trainee details

(please print)

FULL NAME		SIGNATURE	
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### Assessor details

(please print)

FULL NAME		SIGNATURE		DATE	
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## Diagnostic Ultrasound – Basic Mid Trimester Assessment

### Assessment

<b>Explain examination</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Fully succinct explanation with indication and limitations
<b>Enter patient details into machine</b>	1 Unable to complete task correctly	2	3 Accurate but not familiar with machine	4	5 Excellent knowledge of machine and accurate data input
<b>Selection of probe and routine examination presets</b>	1 Inappropriate probe or inability to select settings	2	3 Correct but some hesitancy in use of equipment	4	5 Correct and confident use of equipment
<b>Use of depth, focus and zoom functions</b>	1 Suboptimal image quality	2	3 Optimises image but uncertainty in use of machine functions	4	5 Optimises image appropriately with familiarity
<b>Assess cervix and uterine contents including fetal number and amniotic fluid volume</b>	1 Incomplete demonstration	2	3 Structures demonstrated but unsystematic approach	4	5 Systematic approach in both transverse and longitudinal planes
<b>Locate placental site</b>	1 Incorrect placental location	2	3 Some uncertainty in obtaining placental margins	4	5 Confident recognition of placental margins
<b>Measure HC</b>	1 Incorrect plane and measurement	2	3 Hesitancy in image acquisition and calliper placement	4	5 Systematic image acquisition and measurement
<b>Measure BPD</b>	1 Incorrect plane and measurement	2	3 Hesitancy in image acquisition and calliper placement	4	5 Systematic image acquisition and measurement
<b>Measure AC</b>	1 Incorrect plane and measurement	2	3 Hesitancy in image acquisition and calliper placement	4	5 Systematic image acquisition and measurement
<b>Measure FL</b>	1 Incorrect plane and measurement	2	3 Hesitancy in image acquisition and calliper placement	4	5 Systematic image acquisition and measurement
<b>Records examination</b>	1 Inappropriate images recorded	2	3 Inconsistency in image quality recorded	4	5 Consistently records correct images
<b>Explain findings to patient</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Full succinct explanation with limitations
<b>Write report</b>	1 Deficient information and not ordered	2	3 Accurate but disorganised approach	4	5 Accurate information in a well-structured manner

### Trainee details

(please print)

FULL NAME		SIGNATURE	
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### Assessor details

(please print)

FULL NAME		SIGNATURE		DATE	
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## Diagnostic Ultrasound – Basic Third Trimester Assessment

### Assessment

<b>Explain examination</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Fully succinct explanation with indication and limitations
<b>Enter patient details into machine</b>	1 Unable to complete task correctly	2	3 Accurate but not familiar with machine	4	5 Excellent knowledge of machine and accurate data input
<b>Selection of probe and routine examination presets</b>	1 Inappropriate probe or inability to select settings	2	3 Correct but some hesitancy in use of equipment	4	5 Correct and confident use of equipment
<b>Use depth, focus and zoom</b>	1 Suboptimal image quality	2	3 Optimises image but uncertainty in use of machine functions	4	5 Optimises image appropriately with familiarity
<b>Assess uterine contents including fetal number, presentation and lie</b>	1 Incomplete demonstration	2	3 Structures demonstrated but unsystematic approach	4	5 Systematic approach in both transverse and longitudinal planes
<b>Assess Fetal heart motion</b>	1 Incorrect location and assessment	2	3 Some uncertainty	4	5 Confident recognition location and motion
<b>Demonstrate placenta and relationship to cervix</b>	1 Incorrect placental location	2	3 Some uncertainty in obtaining placental margins	4	5 Confident recognition of placental margins
<b>Measure DVP</b>	1 Incorrect technique and measurement	2	3 Hesitancy in image acquisition and calliper placement	4	5 Systematic image acquisition and measurement
<b>Records examination</b>	1 Inappropriate images recorded	2	3 Inconsistency in image quality recorded	4	5 Consistently records correct images
<b>Explain findings to patient</b>	1 Incomplete or misinformation	2	3 Explanation complete but brief	4	5 Full succinct explanation with limitations
<b>Write report</b>	1 Deficient information and not ordered	2	3 Accurate but disorganised approach	4	5 Accurate information in a well-structured manner

### Trainee details

(please print)

FULL NAME		SIGNATURE	
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### Assessor details

(please print)

FULL NAME		SIGNATURE		DATE	
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