

## Revised Ultrasound In-Hospital Clinical Assessment

At its meeting in March 2008, the College's Education and Assessment Committee approved the introduction of a revised version of the Ultrasound In-Hospital Clinical Assessment (IHCA). In comparison to the existing IHCA, the revised version is more closely aligned with current clinical practice and with the training that registrars currently receive. **The revised IHCA will be introduced on 1 July 2008. Trainees and assessors are thus advised that the form currently used for the Ultrasound IHCA is to be changed as of 1 July 2008 and that all assessments carried out after that date must use the new form.** All existing regulations pertaining to IHCA assessment remain in place.

The revised version of the IHCA consists of 4 compulsory competencies:

- 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

The trainee may use the IHCA as a formative process prior to having a summative sign-off assessment. Formative assessments can be supervised by sonographers, Fellows with ultrasound experience +/- DDU or MFM/COGU subspecialists. There is no limit on the number of formative attempts and these would be encouraged and can serve as a record of performance of scans required for logbook signoff. The **summative assessment** would use the same format but **can only be done by a RANZCOG approved assessor**, as required by College regulations for IHCAs.

A generic front page records trainee details, the particular competency being assessed and whether the assessment is formative or summative. For both types of assessment, compulsory feedback by both trainee and assessor on what was done well and what should be improved is to be provided. The trainees must also learn to recognise the limitations of their examination. Both the trainee and assessor sign the form with the formative assessor's qualification recorded.

The back page is tailored to the particular competency being assessed and is to be completed either as a formative progress record or as a summative assessment with a competent/non-competent sign-off. If summative, the record must be sent to College House. If formative, it is kept by the trainee in the TAR. All 4 competencies must be completed as summative assessments but can be done separately which makes them less demanding on workforce.

### Important administrative matters

The current regulations and procedures with regard to undertaking summative Ultrasound IHCA are to be followed:

- The prospective application, which includes payment and the name of the RANZCOG-approved assessor who is to undertake the assessment, must be sent to College House prior to the assessment. Note: the application form for the Ultrasound IHCA has been modified to allow for separate assessors to be nominated for the separate components of the assessment, although trainees are free to nominate a single assessor for all 4 components. All assessors must be RANZCOG-approved. A list of approved assessors is available on the website.
- The completed Ultrasound IHCA consists of the 4 components. Trainees are asked **NOT** to send separately to College House the individual components. They should, instead, send in the 4 completed components together in the one envelope. A record of satisfactory completion of the Ultrasound IHCA will only be made upon receipt of the 4 satisfactorily completed components.

# RANZCOG In-Hospital Clinical Assessment of Trainee Competence

## MODULE 2: DIAGNOSTIC ULTRASOUND

### Trainee Details

Surname

Given Names

Hospital

### Competency being assessed

- 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

### Type of Assessment

- Formative      Number undertaken on this competency (including this assessment): \_\_\_\_\_
- Summative

### Assessment

#### Self-assessment

Aspects performed well: \_\_\_\_\_

Aspects to be improved.  
\_\_\_\_\_

Limitations of this examination: \_\_\_\_\_

#### Assessor Name

#### Signature

#### Qualification

Aspects performed well: \_\_\_\_\_

Aspects to be improved.  
\_\_\_\_\_

#### Note to Assessors:

Formative assessment allows the trainee to monitor their progress and may be performed by FRANZCOG +/- COGU, MFM, DDU, qualified sonographers. Suggest one at each session. The assessor must discuss the assessment with the trainee and complete the form which will be retained by the trainee.

Summative assessment is the exit assessment and must be performed by a RANZCOG accredited ultrasound module assessor. The completed form is sent to College House.

**RANZCOG In-Hospital Clinical Assessment of Trainee Competence**  
**MODULE 2: DIAGNOSTIC ULTRASOUND – BASIC FIRST TRIMESTER ASSESSMENT**

**Trainee Details**

Surname \_\_\_\_\_

Given Names \_\_\_\_\_

Hospital \_\_\_\_\_

**Transvaginal / transabdominal** (circle appropriate)

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

**On summative assessment trainee is:**

**COMPETENT to perform this scan as an independent operator**

\_\_\_\_\_ number of summative assessments required to achieve this outcome

\_\_\_\_\_ total number of formative assessments performed

\_\_\_\_\_ total number of prior first trimester scans performed using this approach

**NOT COMPETENT to perform this scan as an independent operator**

Comments: \_\_\_\_\_

**Assessor Name**  
**Trainee Name**

**Signature**  
**Signature**

**Qualification**  
**Date**

**RANZCOG In-Hospital Clinical Assessment of Trainee Competence**  
**MODULE 2: DIAGNOSTIC ULTRASOUND – BASIC MIDTRIMESTER ASSESSMENT**

**Trainee Details**

Surname \_\_\_\_\_

Given Names \_\_\_\_\_

Hospital \_\_\_\_\_

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

**On summative assessment trainee is:**

**COMPETENT to perform this scan as an independent operator**

\_\_\_\_\_ number of summative assessments required to achieve this outcome

\_\_\_\_\_ total number of formative assessments performed

\_\_\_\_\_ total number of prior midtrimester scans performed using this approach

**NOT COMPETENT to perform this scan as an independent operator**

Comments: \_\_\_\_\_

**Assessor Name**

**Signature**

**Qualification**

**Trainee Name**

**Signature**

**Date**

**RANZCOG In-Hospital Clinical Assessment of Trainee Competence**  
**MODULE 2: DIAGNOSTIC ULTRASOUND – BASIC THIRD TRIMESTER ASSESSMENT**

**Trainee Details**

Surname

Given Names

Hospital

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

**On summative assessment trainee is:**

**COMPETENT to perform this scan as an independent operator**

\_\_\_\_\_ number of summative assessments required to achieve this outcome

\_\_\_\_\_ total number of formative assessments performed

\_\_\_\_\_ total number of prior thirdtrimester scans performed using this approach

**NOT COMPETENT to perform this scan as an independent operator**

Comments: \_\_\_\_\_

**Assessor Name**

**Signature**

**Qualification**

**Trainee Name**

**Signature**

**Date:**