

Certification in Maternal Fetal Medicine (CMFM)



Hybrid In-Hospital Clinical Examination (IHCE)

General Information Sheet

The CMFM Hybrid In-Hospital Clinical Examination (IHCE) is specifically designed to examine a trainee's scanning technique and is undertaken at the trainee's training unit.

The CMFM Hybrid IHCE consists of three compulsory obstetric cases:

- 12 Week Ultrasound Assessment
- Mid Trimester Ultrasound Assessment
- Third Trimester Ultrasound Assessment

Prior to Sitting the Hybrid IHCE - Formative Assessments

Trainees are encouraged to undertake formative assessments of the three obstetric cases prior to undertaking the summative examination. Formative assessments can be assessed by any CMFM Subspecialist including their Training Supervisor. There is no limit to the number of formative attempts.

Formative assessments are encouraged and can be recorded within the TAR. All completed formative assessment forms are to be retained by the trainee and the formative IHCE assessment forms can be found within the TAR in the CMFM Training Documents and Resources tab:

<https://ranzcof.edu.au/training-topics/current-trainees-cmfmm/#waypoint=training-documents-and-resources>

What the trainee should know

In conducting the three obstetric cases the CMFM Hybrid IHCE trainee should be able to:

1. Perform ultrasound to a high technical standard whilst addressing the clinical scenario
2. Manipulate machine controls to optimize the ultrasound image
3. Understand and follow recommended protocols or standards expected in the performance of the specified ultrasound examination
4. Display a good understanding of image optimization and be able to demonstrate and describe normal anatomy
5. Recognize limited or inadequate views and suggest ways to overcome this

IHCE New Hybrid Model

Commencing September 2022, the IHCE format will change to a new model - *Hybrid* IHCE. This will include:

- the Training Supervisor (Invigilator) to oversee the examination and manage all technical aspects of the exam
- one examiner in the room (onsite examiner) and
- one examiner via video conferencing (remote examiner)

A USB Video Capture device must be used to present the Ultrasound scan via video conferencing for the examiner not in the room. No recording of the Hybrid IHCE will take place, as this is a "live" exam. The USB video capture device and cables will be provided by the Hospital for the examination. RANZCOG will provide this device and compatible cables if the hospital is unable to fund the device.

IHCE Updated Ultrasound Assessments

In 2023 the scan types below were reviewed and updated. The Hybrid IHCE will use three separate assessment forms, one for each scan type:

- 12-week,
- Mid-Trimester
- Third-Trimester

New Doppler and ALARA Principles Assessment

Across the whole exam period there is an NEW assessment form to be applied, which allows the *Doppler and ALARA principles* to be assessed.

Each scan type has a specific criteria checklist and a summary page to record details of the individual assessment including whether it is a formative or summative assessment.

Feedback

Feedback is encouraged for all assessments to assist in skill development.

It is compulsory for both the trainee and the examiners to undertake the feedback at the conclusion of the final summative assessment of the IHCE. Feedback includes what the trainee did well and what should be improved. Both the trainee and examiners sign the form with the examiners' qualifications.

Examiners – Onsite and Remote

Two certified RANZCOG CMFM Subspecialists will examine the candidate.

Where possible there should be:

- one interstate (remote) examiner and
- one local (onsite) examiner. The onsite examiner should not be the trainee's Training Supervisor nor any other supervisors from the current training site.

If the local examiner option is not available, then one interstate examiner must attend the IHCE.

Where neither examiner may attend, they will both be remote examiners who will attend via video conferencing and the Training Supervisor (Invigilator) will be in the room to make sure the examiners are able to assess appropriately.

Assessment System to be Used

- Each examiner will complete a separate assessment form for each section of the examination and the scores for each scan type will be averaged and recorded on the IHCE SUMMARY SHEET within the online Cognito form
- To pass the IHCE, a trainee must score '4' or above in the minimum set in each score sheet
- The trainee must sit and pass all three ultrasound components as well as the Doppler and APARA component of the IHCE on the same day to pass the examination.

New Scoring System – Cognito Forms

The Invigilator and both examiners will be required to complete the IHCE summative assessment forms (eight (8) in total i.e. one for each scan type from each of the examiners).

These will be accessed and completed via an online Cognito form. The Training Program Coordinator will prepare these for the invigilator and both examiners.

The candidate must sit and pass all three clinical ultrasound and Doppler and ALARA components of the IHCE on the same day to pass the examination.

Selection of Patient Cases

- Three separate patients must be selected for each of the three assessable scans (i.e. one patient for each of the 12-week scan, mid trimester scan and for the third-trimester scan).
- The patient selected for each of the three normal fetus scans should be someone the trainee has not previously scanned or discussed with colleagues. An attempt is to be made by the trainee to complete all assessable criteria, for each individual assessment, on the one patient selected for each scan type.
- An online patient consent (via Cognito form) must be obtained on the day for each individual patient participating in the Hybrid IHCE acknowledging the Hybrid model will not be recorded.

Important Administrative Matters

The following procedures for the Hybrid In-Hospital Clinical Examination (IHCE) apply to sit the IHCE:

- The IHCE should be conducted at the trainee's training unit with ultrasound equipment familiar to the trainee
- Formative assessments of the 12-week, mid trimester and third trimester scans that make up the IHCE may be undertaken at any time during training
- The summative Hybrid IHCE can be undertaken:
 - after satisfactory completion of 46 weeks FTE of prospectively approved CMFM Subspecialty training
 - must have completed the DDU Part 1 prior to the first attempt at the IHCE and submitted at the time of application.
- Satisfactorily complete the IHCE prior to completing 138 weeks of clinical training
- The Hybrid IHCE application and payment form must be completed prior to sitting the Hybrid IHCE. A minimum of six to twelve weeks (from the time of submitting the online form) will be given to prepare the two examiners day and time for the candidate to sit the IHCE.
- The Hybrid IHCE must be examined by two certified RANZCOG CMFM Subspecialists – one interstate Fellow (where possible) and one local Fellow. The local examiner should not be the trainee's Training Supervisor.
- The examiner must read **Important Notes for Examiners and Declaration.** After ensuring all instructions are followed, the examiner must sign the Examiner Declaration. A tick/circle must be given in each criteria box. In exceptional circumstances where this is not possible, justification should be provided by the examiner.
- The completed summative Hybrid IHCE consists of:
 - two sets of completed assessment forms (1 for each of the 3 assessment scans plus the Doppler and ALARA form from each examiner - making 8 in total);
 - the completed Hybrid IHCE SUMMARY SHEET (which has the average score for each of the three assessment scans noted); and
 - the completed sign off from both examiners and the trainee
- All assessment and summative scoring sheets are online in a Cognito Form.
- The Training Supervisor will collate make sure that all documents have been signed and completed correctly. Email notification to the CMFM Training Program Coordinator that all IHCE documentation has been submitted.

If paper copies of the scoring and assessment sheets are provided:

- If the Training Supervisor (Invigilator) is required to print the scoring sheets for the examiners due to technical issues and cannot score via the online scoring system then the Training Supervisor will scan and submit via email the Hybrid IHCE paperwork to the CMFM Training Program Coordinator.

Satisfactory Completion of the Hybrid IHCE

Satisfactory completion of the CMFM Hybrid IHCE will be recorded in the trainee's file when the following the online Cognito forms have been completed and signed:

- Copies of the three IHCE Summative Assessment forms and the Doppler and ALARA form for each Examiner (eight(8) in total)
- Completed IHCE Summary Sheet indicating MAPS has been achieved for each scan
- Completed patient consent forms for each of the three cases
- Completed and signed Important Notes for Examiners and Declarations

The Hybrid IHCE summative assessment can be repeated as many times as necessary but not within four weeks of an unsuccessful attempt. Following an unsuccessful summative attempt at the Hybrid IHCE, trainees should focus on any area(s) to be improved, prior to any further attempts