



ECHO20004 Cardiac Clinical Unit 4

Term 1 - 2024

Profile information current as at 29/04/2024 12:26 am

All details in this unit profile for ECHO20004 have been officially approved by CQUUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This graduate clinical unit builds on the skills, knowledge and attitudes developed during the Bachelor of Echocardiography and Cardiac Physiology. You will perform diagnostic cardiac ultrasound and other cardiac assessment and analyse the outcomes to specified levels of competency. You will evaluate clinical findings to formulate a differential diagnosis and initiate further investigation within an ethical framework of best practice and patient safety. Behavioural aspects of professional practice are emphasised and you are expected to reflect on your own performance and exhibit the highest level of safe patient care. Critical appraisal of performance will enable you to advance your professional, technical and analytical skills in a work setting under qualified supervision. You will apply knowledge of patient safety, risk management and quality improvement to formulate clinically relevant strategies, promoting a safe work environment and departmental best practice.

Details

Career Level: *Postgraduate*

Unit Level: *Not Applicable*

Credit Points: *18*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.375*

Pre-requisites or Co-requisites

Prerequisite ECHO13007 Cardiac Clinical Unit 3 ECHO13007 Cardiac Clinical Unit 3 must have been successfully completed within the last twelve months. Should this time limit have elapsed the student must successfully complete one (or more) technical skill, professional behaviour and diagnostic knowledge-based assessment (s) (after completion of technical skill / knowledge revision). Details of this will be articulated in a learning contract created by the Head of Course or designate.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 1 - 2024

- Mixed Mode

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 18-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 37.5 hours of study per week, making a total of 450 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Practical Assessment**

Weighting: Pass/Fail

2. **Performance**

Weighting: Pass/Fail

3. **Professional Practice Placement**

Weighting: Pass/Fail

4. **Learning logs / diaries / Journal / log books**

Weighting: Pass/Fail

5. **Case Study**

Weighting: Pass/Fail

6. **Online Quiz(zes)**

Weighting: Pass/Fail

Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from SUTE feedback.

Feedback

Students reported they were not given an opportunity to attend live tutorials.

Recommendation

Zoom tutorials were conducted on Thursday evenings at 8pm AEST. Tutorials were scheduled outside of normal business hours to accommodate students attending clinical placement in a full time capacity. 8pm AEST is likely the most convenient time to accommodate the entire cohort, as students are located across many different time zones (WA, SA, QLD, NSW and VIC). For this reason, tutorials will continue to be scheduled at the same time in future deliveries.

Feedback from SUTE feedback.

Feedback

Students have suggested more time between the Zoom presentation and case study submission would be useful.

Recommendation

The Zoom presentation component of the case study assessment was introduced in the current delivery. The timeline between the Zoom presentation and written submission will be reviewed and an extended time frame will be considered in an attempt to minimise student distress.

Feedback from SUTE feedback.

Feedback

Students found OSCE preparation tutorials helpful.

Recommendation

The OSCE preparation tutorials will continue in future unit deliveries to assist students with the transition into ECHO20005.

Feedback from SUTE feedback.

Feedback

Student feedback states the unit was well laid out and easy to follow.

Recommendation

The unit format will continue in the same method as previous deliveries due to student satisfaction.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Perform echocardiographic assessment in the clinical context under supervision
2. Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance
3. Apply professional behaviour consistent with safe practice
4. Analyse, and critically reflect upon, clinical cases involving cardiac ultrasound and other assessment techniques
5. Attend clinical placement as per external accreditation requirements (Australian Sonographer Accreditation Registry)
6. Formulate clinically relevant strategies for improvement based on clinical scenarios related to quality improvement, risk management and patient safety culture.

Linked to National and International Standards

1. ASAR Accreditation Standards for Cardiac Sonography - critical practice Unit 8 - Cardiac, Foundation units of competence - 1 - 5.
2. European Association of Cardiovascular Imaging Core Syllabus
3. American Registry for Cardiac Sonography Core Syllabus

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Practical Assessment - 0%	•	•				
2 - Performance - 0%		•	•			
3 - Professional Practice Placement - 0%			•		•	
4 - Learning logs / diaries / Journal / log books - 0%	•			•		
5 - Case Study - 0%				•		
6 - Online Quiz(zes) - 0%						•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge	○	○	○	○		○
2 - Communication	○	○	○	○	○	○
3 - Cognitive, technical and creative skills	○	○		○		○
4 - Research				○		○
5 - Self-management	○	○	○	○	○	○
6 - Ethical and Professional Responsibility	○	○	○	○	○	○
7 - Leadership		○	○	○		
8 - Aboriginal and Torres Strait Islander Cultures						

Textbooks and Resources

Textbooks

ECHO20004

Supplementary

ENHANCING PATIENT CARE: A PRACTICAL GUIDE TO IMPROVING QUALITY AND SAFETY IN HOSPITALS
(2009)

Authors: Alan Wolff and Sally Taylor

MJA Books

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [Vancouver](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Shae Cromb Unit Coordinator
s.m.cromb@cqu.edu.au

Schedule

WEEK 1 - 29 Jan 2024

Module/Topic	Chapter	Events and Submissions/Topic
Content themes will be grouped and presented in a modularised format on the Moodle site.	See eReading list.	<p>This is a work integrated learning unit.</p> <p>Students are required to complete sixteen (16) weeks of clinical placement, to a minimum of 640 hours (16 x 40 hours).</p> <p>Clinical placement may occur outside of standard university academic term dates.</p> <p>Assessment due dates will differ between students, reflective of individual placement arrangements.</p> <p>Please refer to the unit Moodle site for assessment details and relevant due dates.</p>

Term Specific Information

The Unit Coordinator for ECHO20004 is Shae Cromb. The preferred method for contacting Shae is via the Q&A forum located on the Moodle site for content related questions. If the query is of a personal nature, please email s.m.cromb@cqu.edu.au, or phone (08) 9260 4053. Shae's workdays are: Wednesday, Thursday and Friday and she is based in Perth.

This work integrated learning unit necessitates a minimum of 640 hours of clinical placement be completed over a 16 week period. Practicum commencement dates and due dates for assessment items may fall outside of the usual academic calendar for Term 1 2024. Students must attend the allocated clinical placement for the entirety of each working day, including the last day of placement, unless alternative arrangements have been agreed by both the Unit Coordinator and Clinical Supervisor in writing.

The Unit Coordinator must be advised in a timely fashion of any absences necessitating a placement end date extension, in order to complete unit work integrated learning requirements. Where public holidays occur during the clinical placement block, these days can be entered as 8 hours on the clinical attendance form and do not need to be 'made up'. If a student is unwell, please advise the Clinical Supervisor and Unit Coordinator as these hours do need to be 'made up'. A medical certificate will be required by the Unit Coordinator. Placement disruptions due to COVID-19 will be evaluated on a case by case basis.

Once students have completed the minimum number of hours, they are required to continue attending placement until the placement's prescribed finish date unless an alteration to the standard placement block has been approved by the Unit Coordinator, Head of Course and the Clinical Supervisor.

The supplementary textbook for this unit is: Wolff A., Taylor S. 2009 Enhancing Patient Care: A Practical Guide to Improving Quality and Safety in Hospitals.

Students are expected to revise and consider previous course content and the published American Society of Echocardiography (ASE) guidelines to foster theoretical knowledge, practical performance and professional growth during this clinical unit. For more advice pertaining to placement expectations, please refer to the Bachelor of Echocardiography and Cardiac Physiology Student and Clinical Supervisor Handbook on the unit Moodle site.

Fortnightly tutorials will be held during the term. Specific times and Zoom meeting IDs will be posted on the unit Moodle site.

This is a pass/fail non-graded unit which means that each individual assessment must be awarded a pass grade in order to pass the unit. All coursework must be submitted by the due date, as there is no opportunity to apply a 5% penalty due to the pass/fail nature of the assessment tasks. Any students who have extended placement dates may be eligible for assessment extensions. Students undertaking part time practicum will have assessment due dates revised and communicated by the Unit Coordinator, with arrangements reflective of published deadlines. If students are experiencing difficulty meeting unit assessment requirements please contact the Unit Coordinator prior to the specified due date.

Failure of this clinical unit may require the student to meet with the Head of Course to discuss the instigation of an individual learning contract with a view to remedying scanning skills, technical issues and/or behavioural issues. The learning contract will detail learning objectives, available learning resources, strategies and methods which will be used to assess your progress. This will likely involve scanning skills labs for tuition and assessment on a regular basis.

Assessment Tasks

1 Practical Assessment

Assessment Type

Practical Assessment

Task Description

This assessment task requires the student to demonstrate aptitude and overall practical competence in completing an echocardiogram to the level of 'Advanced Beginner', considerate of the Australian Sonographers Accreditation Registry (ASAR) endorsed 'Professional Competency Framework for Sonographers'.

This task will be assessed by the student's Clinical Supervisor, or a delegate sonographer, using the Practical Assessment Marking Tool provided on the unit Moodle site. Students are required to provide a printed copy of the marking tool and Clinical Supervisor Verification to their Clinical Supervisor at the commencement of placement.

Students are encouraged to:

- Read the marking tool carefully, to ensure that they understand the criteria against which their sonographic skill and relevant theoretical knowledge will be evaluated.
- Discuss the best time to complete this assessment with their Clinical Supervisor, to ensure minimal departmental disruption and sufficient time for task completion.
- Seek detailed feedback from the Clinical Supervisor post assessment to enable identification of areas requiring improvement.

The first attempt must be completed in the 12th week of the 16 week placement, and the second attempt (if required) must be conducted before the end of the 16 week clinical placement.

Should a student fail this assessment, only one re-attempt will be permitted. Students that fail the first attempt at this assessment, should discuss their strategy for performance improvement with both their assessor and Unit Coordinator. Both attempts must be completed prior to the completion of the clinical placement block.

In the absence of approved extension(s), students who do not complete scheduled attempts by due date(s) will receive a FAIL for the assessment.

Students are advised to refer to the Assessment Policy and Procedure (Higher Education Coursework) document for additional university guidelines regarding assessments.

Assessment Due Date

The Practical Assessment Marking Tool, Clinical Supervisor Verification, MP4 recording and accompanying deidentified DICOM images are due Monday of Week 13 at 5pm AEST. Resit practical assessment (if required) is to be uploaded onto the Moodle site Monday following completion of clinical placement.

Return Date to Students

Clinical Supervisors will provide direct feedback following practical assessment through both verbal conversation and return of the completed marking tool. Any students who fail the first attempt will be provided additional counsel by the Unit Coordinator prior to reattempt.

Weighting

Pass/Fail

Assessment Criteria

To PASS this assessment:

Students must achieve a score of 2 or higher against ALL listed criteria on the Practical Assessment Marking Tool. Clinical Supervisors should consider assessment strategy in the context of the required competency level that students must demonstrate by the end of the clinical practicum block. For ECHO20004, this is 'Advanced Beginner' level.

The Clinical Supervisor is required to evaluate multiple questions under each criterion grouping on the Practical Marking Tool. Criteria can be grouped into several main categories. These include:

- Pre-examination tasks and instrumentation (including patient identification checks, consent and appropriate professional communication)
- Scanning technique (including two-dimensional, colour and spectral Doppler optimisation, and appropriate exam extension or modification)
- Measurement technique
- Documentation (digital image storage and labelling)
- Post-examination tasks (including worksheet completion and interpretation)
- Additional tasks (incorporating ergonomics, manual handling techniques, infection control, ethical and legal requirements)

A video recording of the practical assessment must also be submitted, to enable the Unit Coordinator to moderate student-patient interaction and scan technique (in addition to the Practical Assessment Marking Tool, Clinical Supervisor

Verification and DICOM images). Advice on how to facilitate recording can be found on the unit Moodle site.

All clinical information (including DICOM images, video and report) must be de-identified to protect patient privacy and confidentiality. If all attempts to de-identify the echocardiography images have failed, the student must request permission from the patient to provide their images to CQUniversity for educational purposes. The patient must provide written consent by completing the consent form provided on the unit Moodle site.

The Practical Assessment Marking Tool, MP4 recording and DICOM images will be moderated by the Unit Coordinator before the final PASS/FAIL grade is ratified.

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are responsible for meeting published or advised submission dates. Any delays in assessment submissions during term, in the absence of an approved extension or extenuating circumstances, will be brought to the attention of the Deputy Dean of Learning and Teaching.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students must submit the Practical Assessment Marking Tool, Clinical Supervisor Verification and provisional or final echocardiography report online via Moodle. De-identified DICOM images and the MP4 video recording must be uploaded to a Google drive folder and shared with the Unit Coordinator.

Learning Outcomes Assessed

- Perform echocardiographic assessment in the clinical context under supervision
- Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance

2 GLOBAL ASSESSMENT OF PROFESSIONAL ATTRIBUTES (GAPA)

Assessment Type

Performance

Task Description

Clinical placement occurs in the professional workplace. Students are provided access to that workplace on the condition they demonstrate behaviours and attributes of a healthcare professional and present a positive image to staff and clients. Clinical sites mention professional behaviour, particularly team work and empathy, as paramount in their decision to employ a sonographer. This assessment considers the ability of the student to communicate professionally with a diverse cultural audience of patients, staff and the general public, demonstrate professional respect for all, and function as a reliable, well organised member of the health team.

This task will be assessed by the student's Clinical Supervisor (or delegate), using the marking tool provided on the unit Moodle site. Students are required to provide a printed copy of this marking sheet to their Clinical Supervisor at the commencement of placement. The Clinical Supervisor (or delegate) will be working in the echocardiography lab with the student, directly observing day-to-day performance. These observations and collective feedback will relate to the student's demonstration of knowledge, skills and behaviours over a span of time, not limited to a particular scan type or patient case. The observations and feedback are then used to complete the Global Assessment of Professional Attributes (GAPA) form.

There are three main sections to the GAPA form:

Section 1: Applied Knowledge

Section 2: Psychomotor skills and Standard of Work

Section 3: Professionalism

In each section there are multiple observable behaviours that the student is required to demonstrate throughout the placement. The assessor will score the performance of the student based on how frequently, and to what extent, each of the listed behaviours are demonstrated. The assessor is also encouraged to provide comments to expand on the scoring feedback.

This assessment is performed TWICE during the placement - at the midpoint (week 8) and at the completion (week 16).

The mid placement GAPA is formative. At the mid placement GAPA, the student should be given sufficient feedback to

improve their behavioural performance as required. Any significant issues should be brought to the attention of the Unit Coordinator following the mid placement GAPA (or earlier if required).

The end-of-placement GAPA assessment is summative. For any behaviour that the student scores well on at the mid-placement assessment, it is expected they will continue to meet that level of performance or surpass it for the rest of the placement.

Clinical supervisors are urged to contact the Unit Coordinator immediately for guidance if:

- **Student behaviour is identified as 'inappropriate and beyond acceptable risk' to clinical site staff, patients and/or reputation.**
- **Student skill progression is deemed insufficient despite documented constructive feedback, support, and intervention.**

The Unit Coordinator may request performance of a GAPA assessment at any time during a student placement. If the outcome of this GAPA is unsatisfactory, and/or the site feedback indicates that they can no longer host the student due to risks incurred or lack of skill progression, clinical placement will be terminated immediately and this singular GAPA result may result in a FAIL grade for ECHO20004.

Assessment Due Date

The first GAPA assessment is due at 5pm AEST on Monday Week 9 of clinical placement. The second GAPA assessment is due at 5pm AEST on Monday following completion of clinical placement.

Return Date to Students

Feedback will be provided to students within two weeks of submission. Students identified as being at risk of failing on the mid term GAPA will receive prioritised feedback.

Weighting

Pass/Fail

Assessment Criteria

To PASS this assessment:

Students must satisfactorily demonstrate ALL criteria descriptors by the end of placement, in accordance with the competency level of an 'Advanced Beginner'.

The assessor is also encouraged to provide comments to expand on the scoring feedback.

If at least 50% of the criteria in the mid-placement GAPA are not met, a student will be regarded as a 'Student at Risk' of failing the clinical unit overall.

- The Unit Coordinator will contact the student to advise of the risk of failing ECHO20004 and provide formative feedback via email. The student is required to respond to this email to show they understand the implications of this information.
- The student is encouraged to schedule a meeting with the Unit Coordinator to review behavioural deficits and strategies for improvement in this circumstance.
- The student must reflect on their performance and the feedback provided, and develop an action plan to address any areas of performance that are not yet at the target level for this placement, and use the remaining weeks to achieve those targets.
- Review of the student's progress will be completed a short time after the mid placement GAPA, or at any time as requested by your Clinical Supervisor or Unit Coordinator.

If behavioural attributes within any section of the GAPA are deemed a 'patient safety risk', student placement may be cancelled immediately, prior to completion of the allocated clinical placement block.

Unsatisfactory scores obtained at the second GAPA attempt, will result in a FAIL grade for the assessment task overall.

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are responsible for meeting published or advised submission dates. Any delays in assessment submissions during term, in the absence of an approved extension or extenuating circumstances, will be brought to the attention of the Deputy Dean of Learning and Teaching.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students are to submit the completed GAPA marking tools via Moodle.

Learning Outcomes Assessed

- Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance
- Apply professional behaviour consistent with safe practice

3 CLINICAL ATTENDANCE FORMS

Assessment Type

Professional Practice Placement

Task Description

It is expected that students attend 100% of the time during the 16 week clinical placement to achieve the minimum 640 hours (16 X 40 hours) of direct echocardiography observance/participation or related activities approved by an ASAR registered Clinical Supervisor or appropriately qualified medical practitioner.

All hours worked must be entered into the Clinical Attendance Forms. These forms must be signed by the Clinical Supervisor, or a sonographer delegated this task by the Clinical Supervisor and submitted monthly. The Clinical Attendance Forms are available in the assessment block in the unit Moodle site. Please print these forms and read carefully to understand the criteria against which clinical attendance will be evaluated.

Students must not organise holidays, recreational leave or personal appointments during clinical placement periods in the absence of prior written approval from both the Clinical Supervisor and Unit Coordinator.

Students are to notify the clinical placement site prior to their scheduled start time if they will be late arriving to the clinical placement site for any individual day throughout the clinical placement.

Students who are absent from clinical placement due to illness or injury must phone their Clinical Supervisor and email their Unit Coordinator PRIOR to the scheduled start time for that day. Any clinical placement hours missed due to illness or injury must be made up.

For all absences due to illness, students must provide the Clinical Supervisor and Unit Coordinator with a medical certificate or statutory declaration. Any injury that occurs while on placement must be reported immediately to the Clinical Supervisor and Unit Coordinator. Medical clearance may be required before returning to placement.

Public holidays recognised by CQUniversity are outlined on the academic calendar. When a public holiday falls during a clinical placement block, public holiday dates can be entered as 8 hours for each day into the Attendance Logbook and hours are not required to be made up. If a designated University student vacation period coincides with the clinical placement period, students are expected to attend during this time. Students must be aware that the attendance of clinical placement takes precedence over any personal work commitments as related to absenteeism.

Outside of Clinical Placement hours

Outside of placement hours can only be accrued through employment or during site attendance arrangements endorsed by the Head of Course and documented by the Work Integrated Learning team (to ensure appropriate insurance coverage). Outside of hours placement may only be used in the event of illness or injury and may not be utilised for personal leave requests.

Outside of placement hours documented between ECHO13007 completion and no earlier than 3 months prior to ECHO20004 commencement can be used to supplement up to 25% of unit clinical placement attendance requirements in the event of illness or injury, following Unit Coordinator approval.

Supplementary placement hours must be documented on an 'Outside Clinical Placement Attendance Form' (available on the unit Moodle site) and verified by an ASAR accredited sonographer or appropriately qualified medical practitioner.

At the end of the scheduled placement, if a student has not met the 100% attendance requirement AND does not have

documented justifiable grounds for the absence, they will score a 'FAIL' for this assessment item. If there are documented justifiable grounds for absenteeism, the student will be provided additional scheduled time to make up the time they have missed. (This scheduled make-up time may not immediately follow the scheduled placement, and/or may not be at the same placement site, depending on clinical availability).

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are responsible for meeting published or advised submission dates. Any delays in assessment submissions during term, in the absence of an approved extension or extenuating circumstances, will be brought to the attention of the Deputy Dean of Learning and Teaching.

Assessment Due Date

Clinical Attendance Forms are due monthly beginning Monday Week 5 of clinical placement at 5pm AEST.

Return Date to Students

Individual student feedback will be provided only if assessment criteria deficits are identified.

Weighting

Pass/Fail

Assessment Criteria

To PASS this assessment, the student must ensure:

- The minimum number of clinical placement hours have been completed
- The documentation has been verified as accurate by the nominated ASAR registered Clinical Supervisor
- All documentation is complete and submitted by the relevant due date

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students are to submit their completed Clinical Attendance Forms and Outside Clinical Placement Hours form via Moodle.

Learning Outcomes Assessed

- Apply professional behaviour consistent with safe practice
- Attend clinical placement as per external accreditation requirements (Australian Sonographer Accreditation Registry)

4 CLINICAL CASE LOGBOOK

Assessment Type

Learning logs / diaries / Journal / log books

Task Description

The Clinical Case Logbook is a document designed to track clinical experience. This logbook documents all echocardiography cases that a student is exposed to during clinical placement. The Clinical Case Logbook will also incorporate details of case exposure obtained during any hours of attendance submitted from 'outside of clinical placement'.

Maintenance of a Clinical Case Log Book helps to ensure that:

- a) an acceptable volume of clinical work is achieved
- b) exposure to a reasonable case variety is achieved
- c) key practical skills are developing

The Clinical Case Logbook incorporates the following data:

1. Cover page(s) which present two tables summing the weekly cumulative case volume under descriptive headings. Summative tally is based on the actual scan findings, NOT the referral indications
2. The date of each examination
3. Allocation of a unique identifier for each patient to ensure anonymity

4. Referral indications
5. Type of echocardiogram performed (i.e. Adult, Paediatric, Stress/Dobutamine, TOE)
6. Student level of scan participation (observed, partially, or fully completed examination)
7. Case Findings

The Clinical Case Logbook entries must be signed by the Clinical Supervisor or appropriately qualified medical practitioner prior to each submission.

Assessment Due Date

Clinical Case Logbook submissions (excel spreadsheet and cover page/s) are due monthly beginning Monday Week 5 of clinical placement at 5pm AEST.

Return Date to Students

Individual student feedback will be provided only if assessment criteria deficits are identified.

Weighting

Pass/Fail

Assessment Criteria

To PASS in this assessment, students must:

- Accurately record all studies in the Clinical Case Logbook
- Ensure all documentation is complete (excel spreadsheet and cover page)
- Ensure the Clinical Case Logbook cover page is signed by the clinical supervisor or delegate
- Submit the requested documentation via Moodle by the published due dates

The Clinical Case Logbook serves as a record of the depth and breadth of experience you attained during the placement. It demonstrates the degree of progression of your skill development within and across examination types. It is recommended that students should analyse this record at regular intervals to assist in the formulation of learning goals that will support achievement of the unit outcomes

During this clinical placement it is anticipated that students will partially or fully complete a minimum of 320 echocardiograms (or 4 scans per day). Students are advised to ensure they are gaining experience under each of the different categories. Students should regularly assess case log progress. If unable to achieve the minimum number of scans, the student should contact the Unit Coordinator. Student competency and proficiency, and corresponding case load and variety, should scaffold and increase over the placement experience. It is reasonable to expect that by the end of this clinical placement block students will be completing daily case loads between 6-8 scans per day (however, case loads depend upon departmental expectations, clinical pathologies encountered, and individual student autonomy, proficiency and competency).

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are responsible for meeting published or advised submission dates. Any delays in assessment submissions during term, in the absence of an approved extension or extenuating circumstances, will be brought to the attention of the Deputy Dean of Learning and Teaching.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students are to submit their completed Clinical Case Logbook (excel spreadsheet and cover page/s) via Moodle.

Learning Outcomes Assessed

- Perform echocardiographic assessment in the clinical context under supervision
- Analyse, and critically reflect upon, clinical cases involving cardiac ultrasound and other assessment techniques

5 CASE STUDY

Assessment Type

Case Study

Task Description

Students must submit two case studies during this clinical placement, from each of the below categories:

1. **Abnormal ventricular function (comprehensive systolic and/or diastolic evaluation)**
2. **Valve regurgitation (at least moderate in severity)**

The purpose of the case study is to:

- Provide the Unit Coordinator with an opportunity to evaluate student technical performance
- Facilitate the continuing development of student clinical reasoning to ensure exposure to a variety of cases
- Encourage reflection and self improvement of technical and research skills and assessment strategies

There are two components to this assessment task:

Component 1: Written case report

Component 2: Echocardiographic study (Zoom presentation and DICOM image submission)

The case study must include the following:

- Patient history and clinical indications
- Discussion of assessment strategy
- Case interpretation and supporting rationale
- Appropriate referencing
- Academic language and scientific terminology
- Appropriate scanning and measuring technique
- Accurate and relevant documentation

The majority of the images of the case study must be completed by the submitting student and any images obtained by the Clinical Supervisor must be clearly identified.

The anonymised provisional or final echocardiographic report must be included as an appendix to the case study.

Image submission:

The written case report must be accompanied by the submission of de-identified digital images in DICOM format. The student will be required to present the images to the Unit Coordinator via a scheduled Zoom meeting 2 weeks prior to the case study due date. The deidentified DICOM images must also be uploaded to Google drive, and a link shared with the Unit Coordinator.

All clinical information must be de-identified to protect patient privacy and confidentiality. Maintenance of patient confidentiality must be adhered throughout both practical and written components of the case study.

If all attempts to de-identify the echocardiography images have failed, the student must request permission from the patient to provide their images to CQUniversity for educational purposes. The patient must provide written consent by completing the form provided on the unit Moodle site. This patient consent form must be submitted with the case study.

Word count:

Strictly 1500 - 2000 words. Word count does not include headings or references, but does include diagram captions and labelling. Excess words will not be marked.

Referencing:

Vancouver. Minimum 8 peer reviewed journal articles/relevant text books must be cited. Literature titles must be current and relevant. Support material for the Vancouver Referencing System is available on the Moodle site.

Note: This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken the Deputy Dean of Learning and Teaching HMAS.

Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework)' document for additional university guidelines regarding assessments.

Assessment Due Date

First submission due Monday of Week 8 of clinical placement at 5pm AEST. Second submission due Monday of Week 12 of clinical placement at 5pm AEST. Deidentified DICOM images must be presented to the Unit Coordinator via Zoom at the scheduled time.

Return Date to Students

Feedback will be provided to students within two weeks of submission.

Weighting

Pass/Fail

Assessment Criteria

To PASS this assessment:

Students must successfully demonstrate ALL criteria descriptors as specified on the marking rubric.

For each case study submission, BOTH components must be passed to pass the case study overall.

Students are developing aptitude and overall practical competencies consistent with that of an 'Advanced Beginner' in ECHO20004. A detailed marking rubric is available on the unit Moodle site.

Case studies submitted without accompanying DICOM images will not be marked.

Case studies that do not achieve a pass grade will be returned to the student with appropriate feedback. Students are permitted one re-submission opportunity only (imaging component and/or written component as required). Any re-submission attempt is required within two (2) weeks of receiving feedback.

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are responsible for meeting published or advised submission dates. Any delays in assessment submissions during term, in the absence of an approved extension or extenuating circumstances, will be brought to the attention of the Deputy Dean of Learning and Teaching.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Submission to be uploaded to Moodle as a word document (doc., docx., not write protected) so it is processed by Turnitin. De-identified DICOM images must be presented via Zoom and uploaded to a Google drive folder and shared with the Unit Coordinator.

Learning Outcomes Assessed

- Analyse, and critically reflect upon, clinical cases involving cardiac ultrasound and other assessment techniques

6 ONLINE QUIZZES

Assessment Type

Online Quiz(zes)

Task Description

This assessment task will require students to complete two (2) separate online quizzes. The quizzes will assess understanding and application of quality assurance and occupational safety and health content.

Quiz 1:

- Identifying workplace hazards
- Sonographer safety and injury prevention
- Infection control
- Communication in health care
- Fitness to practice
- Patient identification, interaction and information management
- Equipment maintenance
- Safety legislation

Quiz 2:

- Diagnostic imaging accreditation
- Clinical governance
- Quality improvement
- Risk management

- Safety culture

Questions may be drawn from lectures or additional resources provided in the eReading list.

The quizzes can be accessed through the assessment tab on Moodle at the assigned time.

- Each quiz will be marked out of 30 marks.
- Students have 40 minutes to complete each quiz.
- Open book conditions.
- Once started, the quizzes cannot be paused or restarted.

The duration of each quiz is tailored to promote recall of fact, rather than research of answers unknown. It is recommended that students have a calculator available when sitting the online quizzes.

Please note:

It is the student's individual responsibility to commence each online quiz allowing adequate time for completion.

The quizzes will automatically close and submit completed student answers once the allocated time has elapsed. Questions will be drawn from a resource bank, to allow tests to be different for each student.

Students are reminded that IT support from the university Information and Technology Division (TASAC) is only available during AEST business hours.

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken the Deputy Dean of Learning and Teaching HMAS.

CQUniversity Assessment Policy and Procedure guidelines apply to assessments for work integrated learning units. Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework)' document for additional university guidelines regarding assessments.

Number of Quizzes

2

Frequency of Quizzes

Assessment Due Date

Quiz 1 will open at 8:00am (AEST) on Wednesday 27th March 2024 and will close at 8:00pm (AEST) Sunday 31st March 2024. Quiz 2 will open at 8:00am (AEST) Wednesday 1st May 2024 and close at 8:00pm (AEST) Sunday 5th May 2024.

Return Date to Students

Individual student results will be made available within two (2) weeks of quiz attempt. Informal consultations can be scheduled with the Unit Coordinator to review individual quiz attempts.

Weighting

Pass/Fail

Assessment Criteria

Students will be required to answer a variety of online questions.

Question responses will be assessed according to the:

- Capability to demonstrate understanding of occupational safety and health content.
- Use of appropriate quality assurance terminology and concepts.
- Student's ability to interpret clinical scenarios and appropriately apply quality assurance knowledge.
- Student's ability to succinctly respond with accurate and clinically relevant answers.

The number of marks allocated for each question will be indicated within the quiz. Question marks are allocated based on the accuracy, depth and breath of required responses.

To PASS this assessment task, both quizzes must be attempted and a minimum mark of 50% must be achieved for the 'combined' overall mark from Quiz 1 and Quiz 2.

Students will be provided with one opportunity to attempt a 'supplementary online quiz', if they do not

achieve an overall PASS grade for the first attempt of this assessment task. A minimum mark of 50% must be achieved in the supplementary online quiz to pass this assessment overall. Quiz resit opportunities will be scheduled during week 12 on the Academic calendar commencing Monday 27th of May 2024. Students will be advised of details via Moodle and email correspondence.

Please note that the quizzes must be completed before the due dates listed. The specific dates that the quizzes open and close are outlined in the due description. In the absence of an approved extension, there will be no opportunity to complete the task after this date.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The Online Quizzes will be accessible through the assessment tab on Moodle at the assigned times.

Learning Outcomes Assessed

- Formulate clinically relevant strategies for improvement based on clinical scenarios related to quality improvement, risk management and patient safety culture.

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem