



RANZCR acknowledges the Traditional Owners of Country throughout Australia. We recognise the continuing connection of Aboriginal and Torres Strait Islander people to the sky, lands, waters and culture and we pay our respect to their Elders past, and present and emerging.

RANZCR acknowledges Māori as tangata whenua and Treaty of Waitangi partners in Aotearoa New Zealand.



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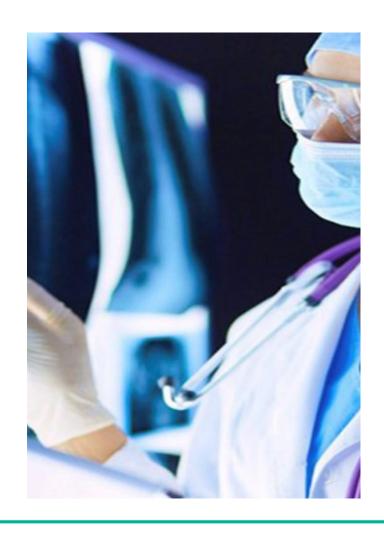
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WEBINARS

Date	Webinars	
July-August	Session 1: (recording av	Overview of the new training program, transition scenarios ailable)
September	Session 2:	Work-Based Assessments
October	Session 3:	e-Portfolio System
November	Session 4:	Examination changes
December	Session 5:	Progression

Webinar schedules, recorded webinars and additional information including Q&As is available on the College website:

www.ranzcr.com/tar/webinars

OVERVIEW

This session will cover:

Learning Outcomes

Evidence-Based Best Practice

Medical Education Principles

Application to Assessment in Enhanced Program

Two different Types of Assessment

Work-based Assessment

Examinations

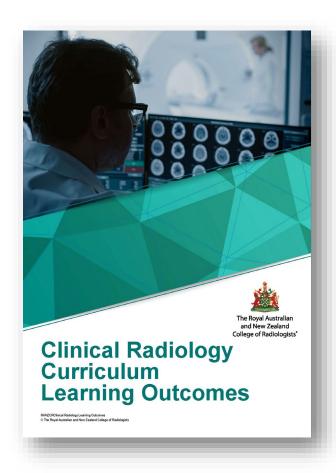
The Clinical Radiology Training Program is Changing

February 2022 for all Australian, New Zealand and Singapore Trainees



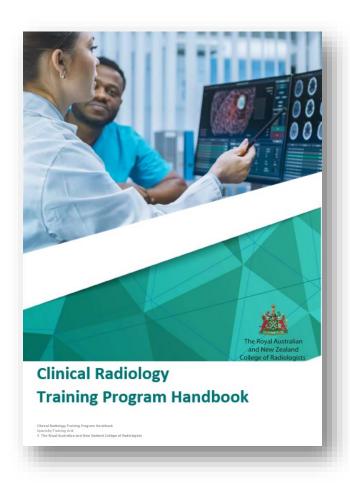
LEARNING OUTCOMES

- The Learning Outcomes document articulates what is expected of a trainee on their FIRST DAY of specialist practice
- The Learning Outcomes guide teaching and learning, and assessment in the program
- Trainees are eligible for Fellowship when they have completed the training requirements and demonstrated competence
- Available ONLINE!



THE TRAINING PROGRAM HANDBOOK

- The draft Training Program Handbook for Clinical Radiology has been developed and the draft form is CURRENTLY ONLINE!
- The handbook will serve as a comprehensive guide for trainees that will encompass every element of the new training program from assessment tools and instructions, to policies and guidelines



OVERVIEW OF THE TRAINING PROGRAM

- * Designed as a 5-year program over 3 phases
- * Trainees progress between phases as competencies are achieved

Phase 1

- Must complete by 24 months training time
- Cannot progress to Phase 2 before 12 months training time

Local Governance Committee to determine trainee progression to Phase 2

Phase 2

- Must complete by 60 months training time
- Cannot progress to Phase 3 before 48 months training time

Local Governance Committee to determine trainee progression to Phase 3

Phase 3

- Consolidation phase
- 4 x 3 month subspecialty rotations

Local Governance Committee to make recommendation to Chief Censor

EVIDENCE-BASED BEST PRACTICE

Medical Education Principles

- Assessment methods 'fit for purpose' and more direct observation
- Assessment tools that are aligned to the curriculum learning outcomes
- Programmatic assessment
- Use of entrustment scales
- Using technology to monitor and review trainee performance



EXTRACT – S6 – Diagnostic Radiology

Image Interpretation

- 6.1.20 Synthesise any relevant patient information from multiple sources (including previous imaging or medical records) to establish a better understanding of their current imaging.
- 6.1.21 Conduct a quality assessment of the images.
- 6.1.22 Perform a thorough and systematic review of the imaging examination and perceive abnormalities.
- 6.1.23 Recognise and correctly interpret artefacts associated with all imaging modalities.
- 6.1.24 Apply knowledge of anatomy (<u>refer to Anatomy</u>) and pathology (<u>refer to Pathology</u>) and identify abnormalities, taking into consideration:
 - The range of normal variants (especially those that mimic disease)
 - Changing appearance with age
 - Physiological states
 - Morphological changes of pathological tissues.
- 6.1.25 Integrate a broader knowledge of clinical presentations, imaging appearances and pathology to form an appropriate diagnosis and/or differential diagnosis.
- 6.1.26 Recognise findings that constitute a medical emergency to expedite and implement local management protocols.
- 6.1.27 Communicate relevant findings to referrers and patients when appropriate, including diagnoses and their implications.
- 6.1.28 Directly communicate with the referrer in cases that have urgent clinical priority, findings of malignancy requiring treatment, or diagnoses that have the potential to harm others.
- 6.1.29 Communicate unexpected or significant findings in a timely and appropriate manner, according to clinical urgency, and confirming receipt of the findings.

Reporting Assessment on the e-Portfolio

One (1) Reporting Assessment must be completed for each of the studies from the twenty (20) sessions required every six (6) months period. Please complete the form below for one study only, and create another one for a different study.

Findings

- Perception
- Interpretation.

✓ - n/a Detects all relevant findings Detects majority of relevant findings safe for practice Fails to detect relevant findings Detects non-existent findings Diagnosis

Management

- Management
- Communication
- · Report structure.

Management

- n/a -

Recommends appropriate management

Recommends inappropriate management and/or unsafe management, and/or fails to recommend appropriate

Please select the appropriate level based on a global assessment of the trainee's performance in the Reporting Assessment.

Key

- Level 1 Constant Direct Supervision: Conditions reported in conjunction with consultant.
- Level 2 Direct Supervision: Consultant is on site, study and reports reviewed within 4 hours.
- **Level 3 Minimal Direct Supervision**: Direct and timely access to a consultant, study and reports reviewed within 24 hours.
- Level 4 Direct Supervision Not Required: Consultant is available if needed, study and reports are reviewed within 24 hours.

Entrustability Level

EVIDENCE-BASED BEST PRACTICE

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Programmatic assessment

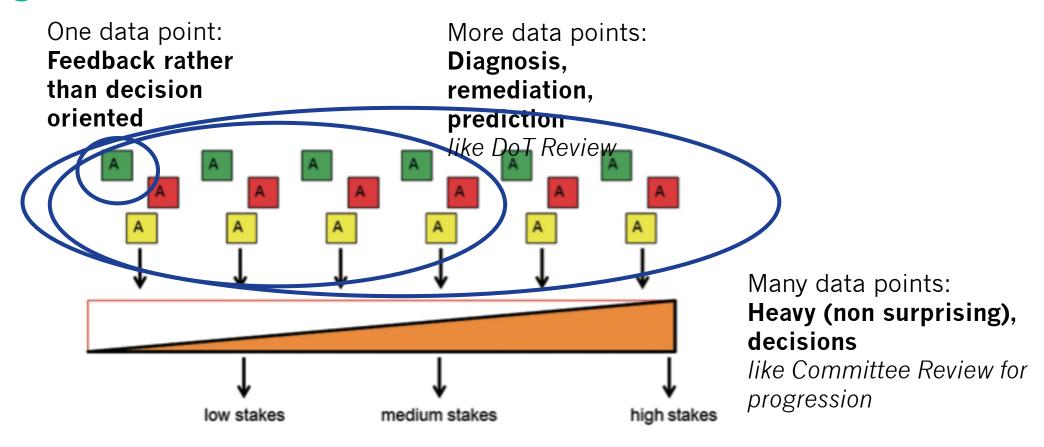
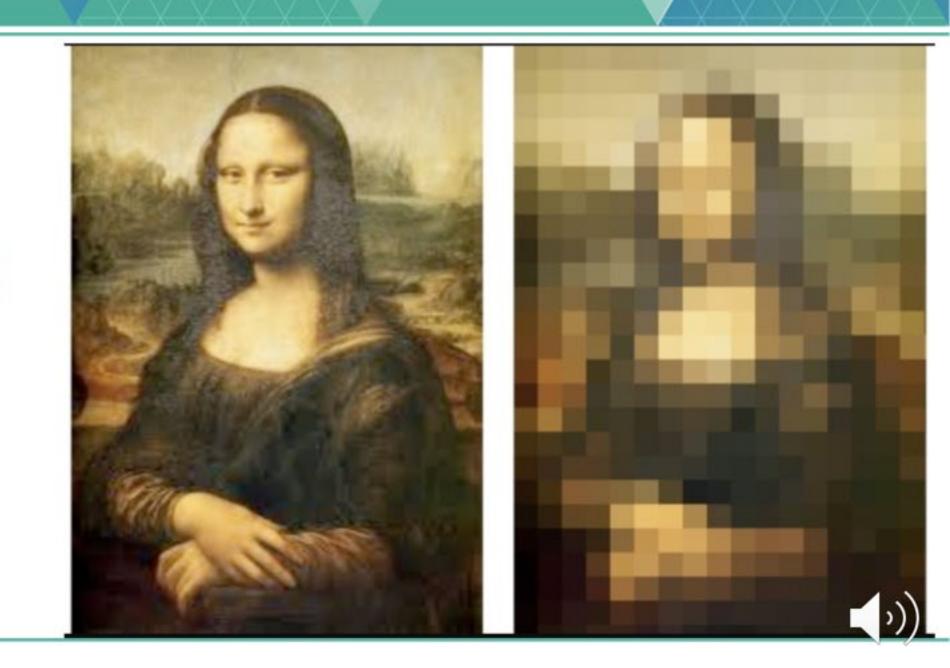


Figure 1. Not every assessment moment needs to be a decision moment on programmatic assessment.

Schuwirth & Ash, 2013

More data!



EVIDENCE-BASED BEST PRACTICE

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Entrustability scale

Rating relies on the supervisor's clinical judgement – progress is most important

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Constant Direct Superv	Substantial Guidance	Some Guidance	Competent
Study is reported in conjunction with consul Procedure or ultrasour performed in conjunction the consultant/sonograp	Study and report are reviewed within 4 hour with her. Consultant/sonographe observes trainee	Study and report are reviewed within 24 hours.	Consultant or sonographer is available if needed. Study and report are reviewed within 24 hours. Trainee performs
	performing the proceduor or ultrasound.	re Trainee performs procedure or ultrasound.	procedure of ultrasound.

EVIDENCE-BASED BEST PRACTICE

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e-Portfolio – Trainee view

Competencies of Early Training

This goal is IN PROGRESS

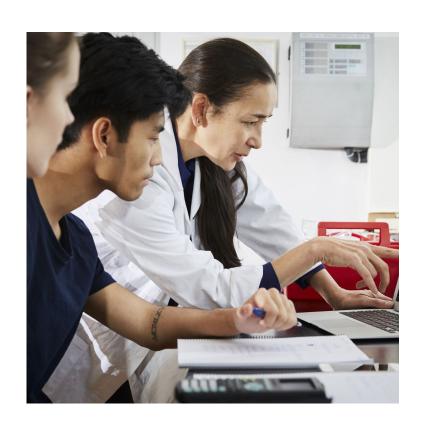
100% progress against this goal. 2/2 targets completed.

Created as part of UAT Clinical Radiology - Competencies of Early Training

Due date: **31 Aug, 2021**

Period: To be completed within the first six months of Phase I

Monitoring and Review



e-Portfolio Reports will collate all necessary information and data

- Clinical Supervisor Feedback
 - Focus on day-to day activity and implementing feedback
 - More 'granular'
- Director of Training Review
 - Every 6 months
 - Review progress for phase of training
 - Assist to remove barriers to completion

ASSESSMENT – TWO TYPES

Formative

Summative

Formative Assessment

Assessment FOR learning

Main purpose is to provide trainees with feedback to improve performance

Work-based assessment

- Authentic assessment with real patients in the clinical setting
- No pass or fail for individual assessments
- Demonstrating progress most important
- Reliability achieved via multiple assessments with multiple assessors

- Summative Assessment

Assessment OF learning

Main purpose is to determine whether the trainee has met the expected competencies

Phase 1 and 2 Examinations

 Standard-setting process, secure administration, consistent, reproducible Portfolio Review for progression to Phase 2, Phase 3 and Eligibility for Fellowship

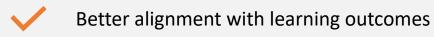
 Many data points required for high stakes decision-making

WORK-BASED ASSESSMENT (WBA)

- Assessment of trainees completing activities with actual patients in the clinical setting
- Assessment for learning
 - Assessments can be repeated as many times as necessary
 - Focus is on identifying gaps and helping trainees to improve
- Feedback from a variety of consultants
- Tools focus on medical expertise as well as other competencies (communication, advocacy etc.)



WORK-BASED ASSESSMENTS



- Quick and easy to complete on mobile friendly **electronic platforms**
- Better reflection of day-to-day practice
- Enable **timely and constructive feedback** between trainees and assessors
- Allow tracking of trainee progression using the **Entrustability Scale**

WORK BASED ASSESSMENTS

Work-Based Assessments include the following:

- Key Conditions Assessment
- Reporting Assessment
- Performed Ultrasound Assessment
- Fluoroscopic Procedures Assessment
- Procedural Radiology Assessment
- Multidisciplinary/Clinical Radiology Meetings Assessment

The onus is on trainees to initiate Work-Based Assessments with Clinical Supervisors.

Competency-based training acknowledges that each trainee may take a variable amount of time to develop and demonstrate certain abilities or all expected competencies to the required standard.



KEY CONDITIONS ASSESSMENT

- An assessment of competence in radiological diagnosis of clinical conditions which may be life threatening if undiagnosed over a period of 12 hours.
- A standardised tool for assessing trainee readiness
- Clear benchmark for measuring trainee progression in Year 1 of training.

This assessment is usually undertaken between four and six months after the commencement of training.

Trainees cannot be assessed at fewer than four months into training.

KEY CONDITIONS ASSESSMENT

The assessment is to be conducted locally, preferably at the training site where the trainee will first start after hours or on call duties. The assessment should therefore reflect the case mix and conditions of the after-hours environment that the trainee will experience.

Clinical Supervisors (CSs) and/or DoTs select a case from each of the key condition categories (listed below), and then additional cases which reflect the training site case-mix and modality usage to create a 'mock list'. A minimum of 16 cases should be presented to the trainee for a valid assessment.

The key conditions categories are as follows:

- Brain
- Head and Neck
- Spine
- Cardiothoracic

- Abdomen and Pelvis
- Musculoskeletal System
- Obstetrics and Gynaecology
- Paediatric

REPORTING ASSESSMENT

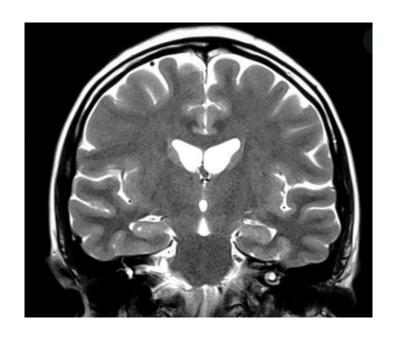
20 sessions per 6-month period (approx. 1 per week)

The Clinical Supervisor reviews the studies reported by a trainee in a "session" (4 hours).

The number of studies assessed in the session will be variable, depending on the seniority of the trainee, the modality and the complexity of studies.

Across the training program, the collated Reporting Assessments should include a wide variety of studies and a variety of assessors.

*CS will have a greater role in assessments, DoT will have oversight over assessment processes



REPORTING ASSESSMENT

Expected level of independence (based on the entrustability level)

	Phase 1	Phase 2	Phase 3
General X-Ray			Level 4
Computed Tomography (CT)	Progress toward required entrustability levels for the various modalities		Level 4
			Level 2 for CTC and CTCA
Magnetic Resonance Imaging			Level 4
(MRI)			Level 2 for fetal,
			cardiac and breast
			MRI
Ultrasound			Level 4
Mammography			Level 4
Nuclear Medicine			Level 2
Bone Mineral Density (BMD)			Level 2

PERFORMED ULTRASOUND ASSESSMENT

Trainees are required to perform and record:

- 50 general ultrasound scans by the end of Phase 1 of training
- 50 additional paediatric ultrasound scans, including 10 neonatal heads by the end of Phase 3 of training
- 50 additional obstetric and gynaecological ultrasound scans by the end of Phase 3 of training

Trainees must undertake the full ultrasound examination and record a diagnosis and findings.

The sonographer uses the entrustability scale to rate the trainee's performance according to how much supervision the trainee requires to perform the ultrasound.



PERFORMED ULTRASOUND ASSESSMENT

	Phase 1	Phase 2	Phase 3
General Ultrasound including:	Level 4		
Neck			
Abdomen			
Renal			
Doppler			
• Venous			
Musculoskeletal			
Scrotal			
Paediatric Ultrasound, including cranial			Level 3
ultrasound			
Obstetrics and Gynaecology Ultrasound	Progress toward required entrustability levels		Level 4
including:			
Pelvic scans (minimum 10)			
First trimester scans (minimum 10)			
2 nd and 3 rd trimester scans - fetal biometry			
(minimum 10)			

FLUOROSCOPIC PROCEDURES ASSESSMENT

Trainees are required to perform and record:

- 50 general fluoroscopic procedures by the end of Phase 3 of training
- 20 additional paediatric fluoroscopic procedures by the end of Phase 3 of training

In assigning a rating the CS should consider both knowledge and skills-based competencies, as well as intrinsic roles, including:

- Appropriate communication with other health professionals
- Appropriate case selection
- Informed consent
- Identification of relevant anatomical structures

- Image guided intervention
- Safe sedation
- Infection control
- Appropriate post-procedural care including provision of clear documentation and management of post-procedural complications

FLUOROSCOPIC PROCEDURES ASSESSMENT

	Phase 1	Phase 2	Phase 3
General Fluoroscopy			Level 4
	Progress toward required entrustability levels		
Paediatric Fluoroscopy			Level 3

PROCEDURAL RADIOLOGY ASSESSMENT

Trainees are required to perform and record 100 interventional procedures under radiological guidance across the three phases of training.

At least 15 of each of the following core skills is required:

- Injection
- Drainage
- Biopsy
- Vascular access



PROCEDURAL RADIOLOGY ASSESSMENT

To meet progress requirements, the trainee needs to demonstrate satisfactory progress towards demonstrating Level 4 on interventional procedures, across the four core skills, by the end of Phase 3.

	Phase 1	Phase 2	Phase 3
Injection	Progress toward required entrustability levels		Level 4
Drainage			Level 4
Biopsy			Level 4
Vascular access			Level 4

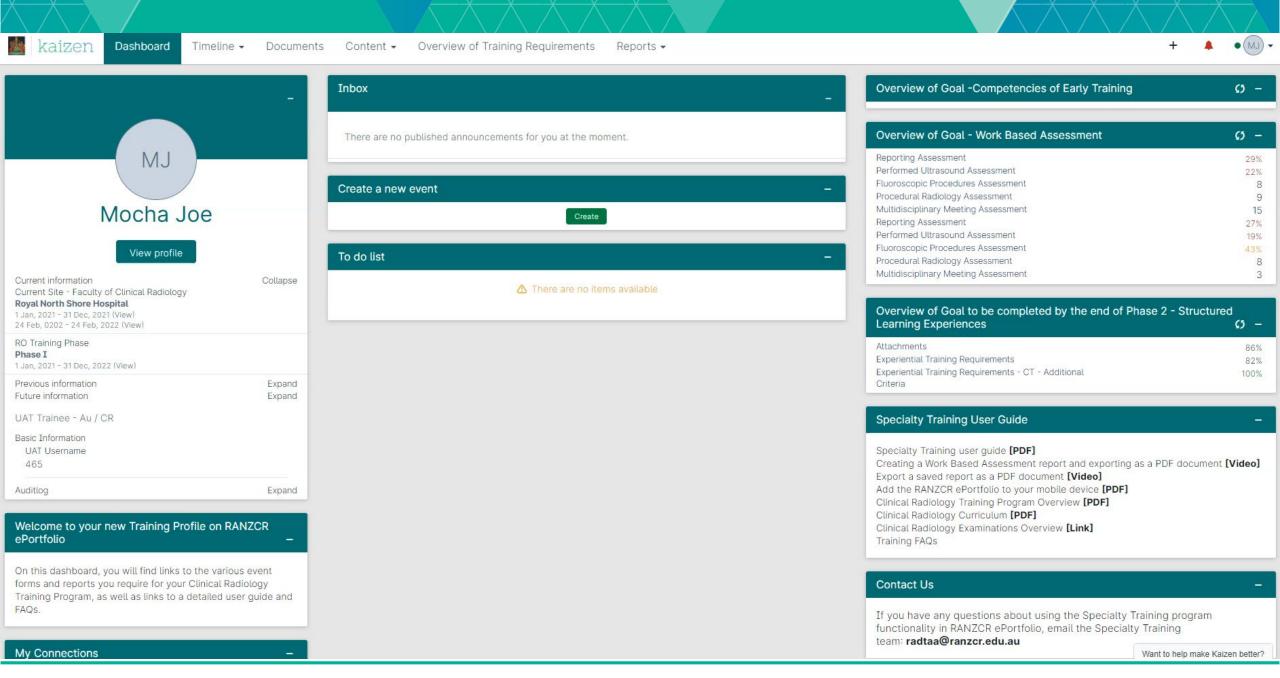
MULTIDISCIPLINARY/CLINCAL MEETINGS ASSESSMENT

Clinical radiology trainees are expected to develop skills required to become valuable members of such meetings.

Trainees are required to attend and participate in 100 meetings over the 3 phases of training, 50 of which must be MDMs with a pathologist present to meet progression requirements.

In clinical radiology meetings and MDMs, trainees are expected to present radiological findings and work collaboratively with other team members correlating clinical, radiological and pathological findings to optimise patient care.

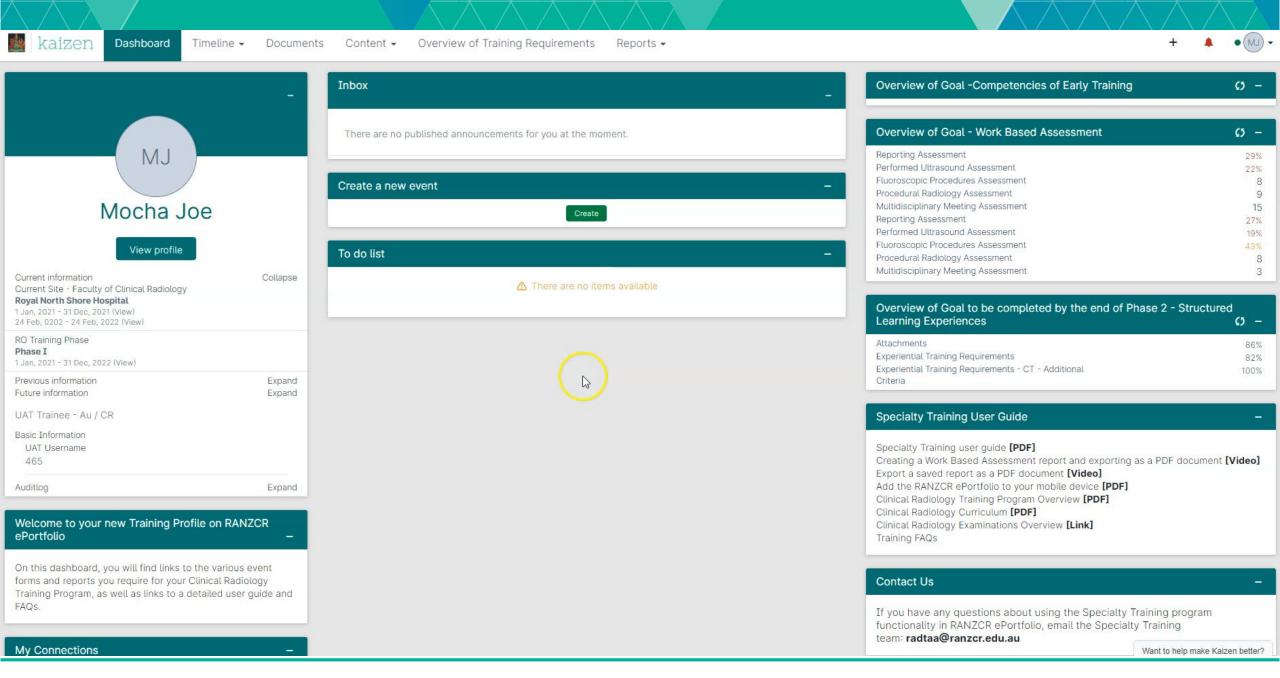
An assessment can only be recorded if the trainee primarily assists in the preparation or presents at meetings.



How DoTs/CS approve a WBA a trainees' device

- When a trainee completes a WBA form, at the bottom is a Fill in on same device slider option.
- Slide No to Yes, then the DoT/Clinical Supervisor sections such as Entrustability can be completed on the trainee's device.
- The Who would you like to fill in the next section of this form must be a RANZCR user with the DoT or Clinical Supervisor user role.
- Once the DoT/Clinical Supervisor fills out the Entrustability score on the trainee's device, they need to approve the assessment on their own e-Portfolio account.
- The next slide demonstrates how to fill in the Entrustability information on the same device as the trainee.

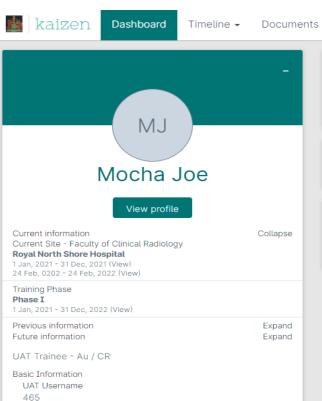




e-Portfolio System Dashboard – Trainee View

Expand

Trainee Dashboard View

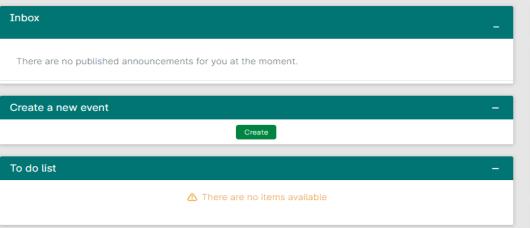




Auditlog

On this dashboard, you will find links to the various event forms and reports you require for your Clinical Radiology Training Program, as well as links to a detailed user guide and FAQs.

My Connections



Overview of Training Requirements

Content -

Overview of Goal -Competencies of Early Training **G5** -Overview of Goal - Work Based Assessment **G5** -Reporting Assessment 29% Performed Ultrasound Assessment 22% Fluoroscopic Procedures Assessment 8 Procedural Radiology Assessment Multidisciplinary Meeting Assessment 15 Reporting Assessment 27% Performed Ultrasound Assessment 19% Fluoroscopic Procedures Assessment Procedural Radiology Assessment 8 Multidisciplinary Meeting Assessment 3 Overview of Goal to be completed by the end of Phase 2 - Structured Learning Experiences **G**5 -Attachments 86% **Experiential Training Requirements** 82% Experiential Training Requirements - CT - Additional 100% Criteria Specialty Training User Guide Specialty Training user guide [PDF] Creating a Work Based Assessment report and exporting as a PDF document [Video] Export a saved report as a PDF document [Video] Add the RANZCR ePortfolio to your mobile device [PDF] Clinical Radiology Training Program Overview [PDF] Clinical Radiology Curriculum [PDF]

Contact Us

Training FAQs

If you have any questions about using the Specialty Training program functionality in RANZCR ePortfolio, email the Specialty Training

team: radtaa@ranzcr.edu.au

Clinical Radiology Examinations Overview [Link]

Want to help make Kaizen better?

e-Portfolio System Dashboard – Director of Training View



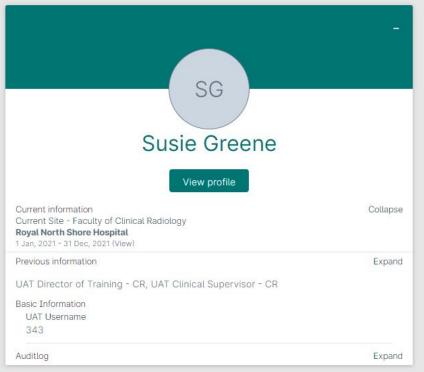
Dashboard

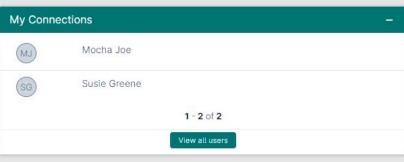
Timeline -

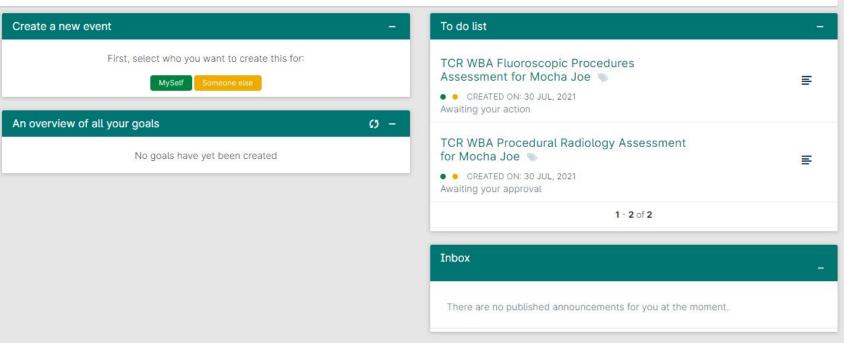
Documents Reports → User management →



Clinical Radiology Director of Training Dashboard -







Want to help make Kaizen better?

Work-Based Assessments (WBA)

- How trainees fill out a form
- How trainees elect a DoT/Clinical Supervisor to approve assessments
- How to approve a WBA on the trainee's device
- Sonographer approval



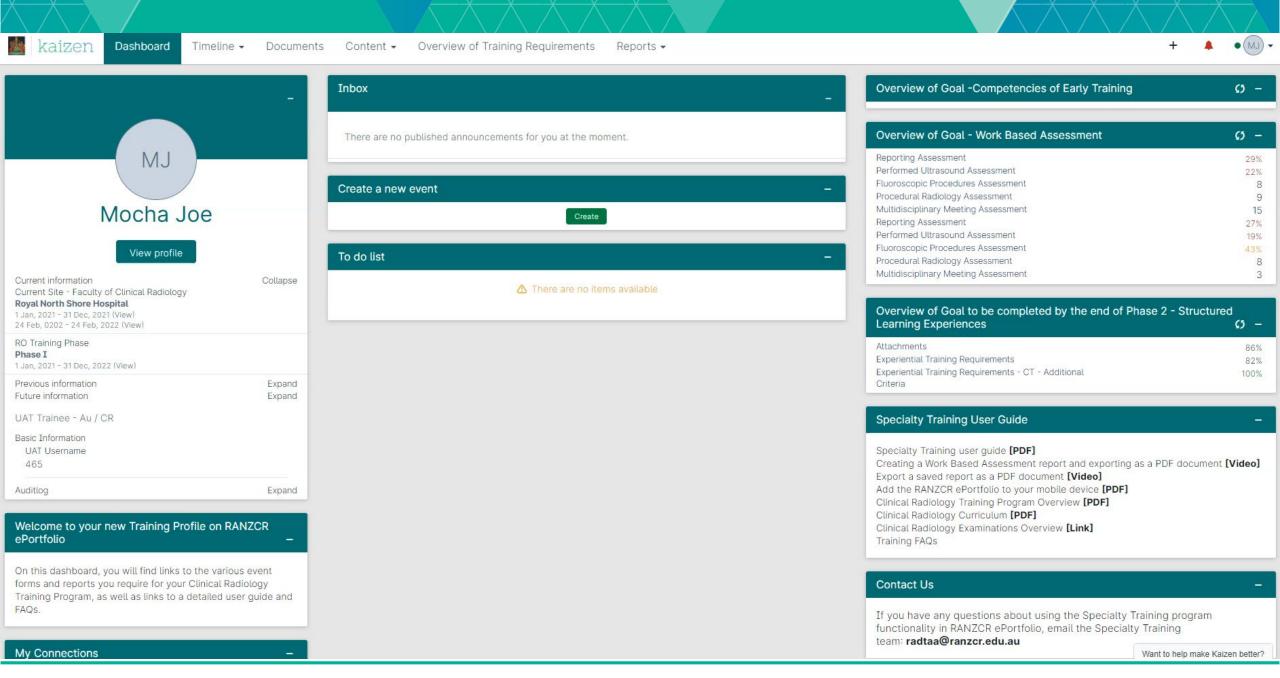
How Trainees Fill Out a Form

- Trainees fill out forms by selecting the Create button on their dashboard.
- This opens a list of all assessment events available.
- When an assessment is selected, the form loads with the required fields.
- Each form has fields with drop down pre-filled options, as well as free text fields.
- At the bottom of the page trainees select an assessor to review the assessment.
- The assessor must have the role of DoT or Clinical Supervisor to review the assessment.

The next slide demonstrates how a trainee creates an assessment event.



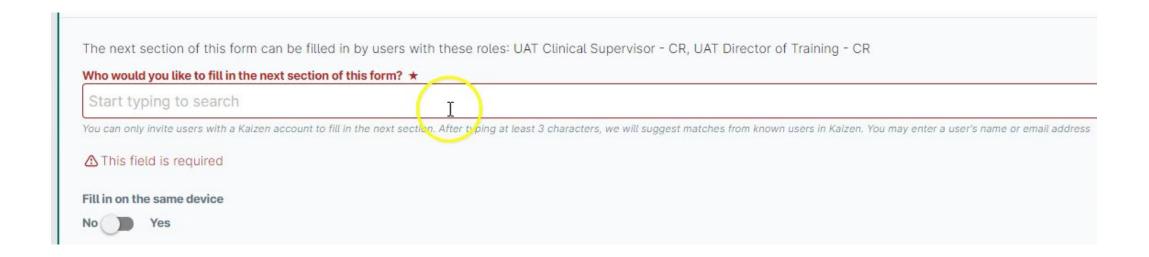




How trainees elect a DoT/Clinical Supervisor to approve WBAs

The form will ask the trainee to elect a Clinical Supervisor or a DoT to approve the next section.

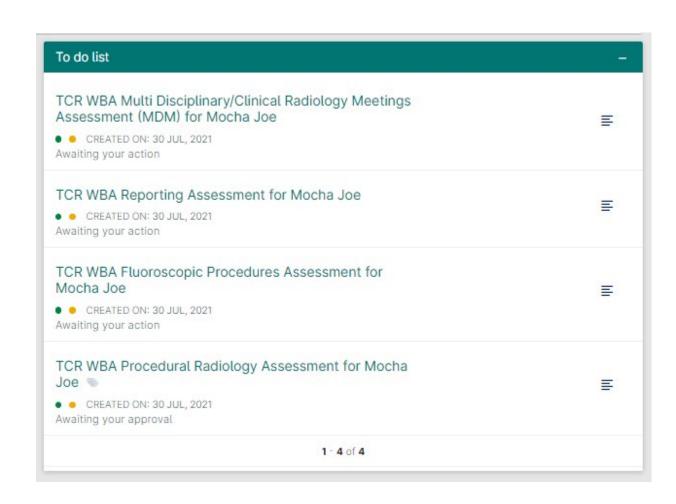
The WBA can only be assigned to a user with an e-Portfolio account, any names typed in the search box with no e-Portfolio account, or if the name does not have the required role, "No results were found" will be shown.



Director of Training To-Do List

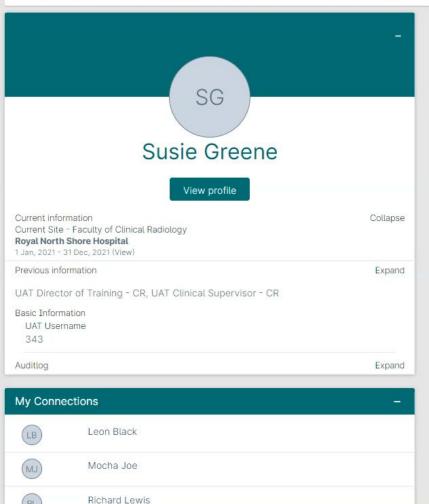
- Trainee's Assessments that require DoT approval are listed.
- Green Light approval steps. This shows which stage the event is in.
- In this example, the Amber Light circle beneath the assessment indicates the assessment is awaiting DoT approval.
- Selecting the list option on the right-hand side will show the assessment form in a pop-up rather than opening a new page.

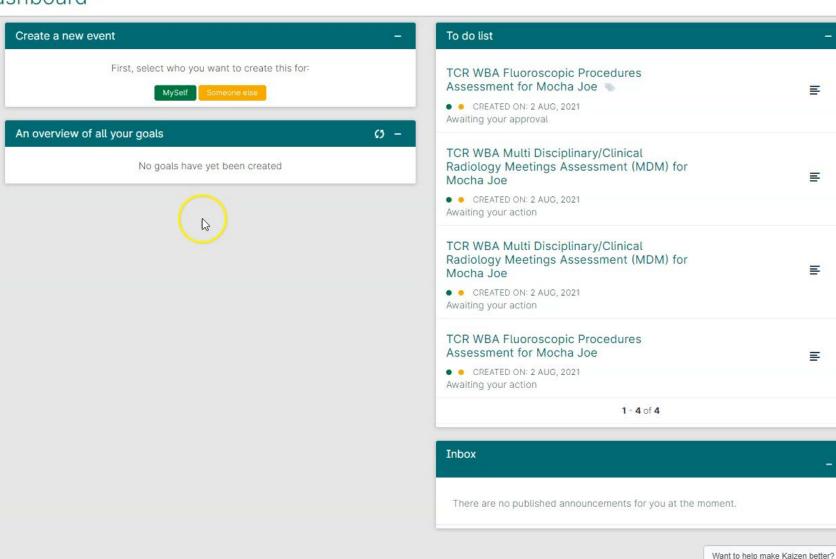
The next slides demonstrate how DoTs interact with the To Do List, to view an assessment and provide approval.



Susie Greene

Clinical Radiology Director of Training Dashboard -

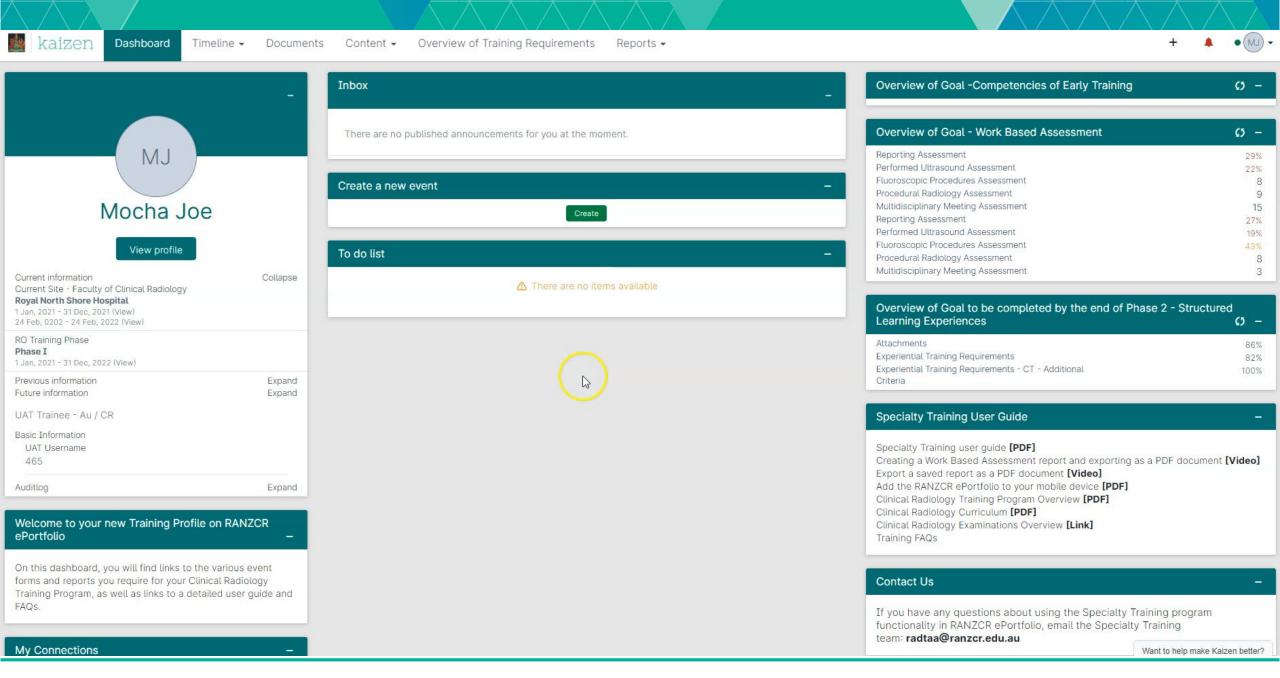




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DIRECTOR OF TRAINING REVIEW

DoT Review (Development in Progress)

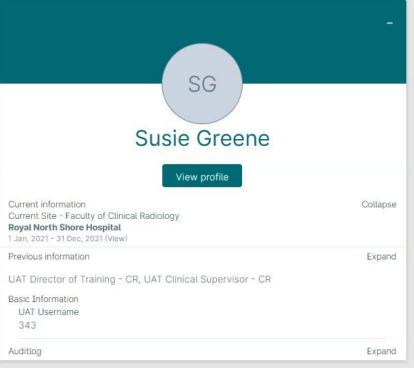
- To initiate the DoT Review assessment, DoTs must select Create on the trainee's dashboard.
- Then choose the DoT Review assessment.
- The DoT Review assessment is to be completed every 6 months per trainee.
- For each assessment, the DoT can generate a report which will show both tabular data for that
 assessment as well as graphs showcasing the trainee's Entrustability scores completed in the 6month period.
- To view a particular assessment event, click "Preview" on that assessment's row in the table.
- This will show the fields filled in by the trainee, the fields filled in by the DoT upon approval, and the trainee's response to the DoT's comments during approval.

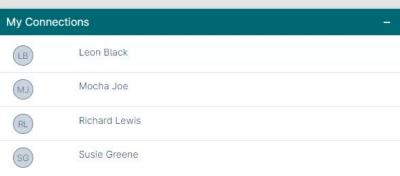
The next slide demonstrates creation of the DoT Review and the report generated for an assessment.

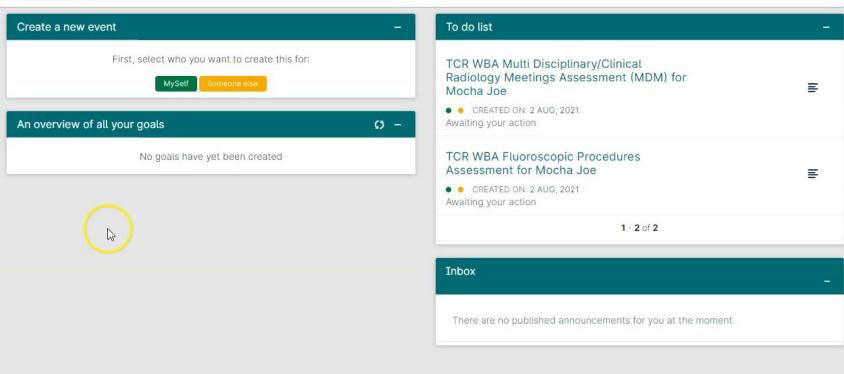


Want to help make Kaizen better?

Clinical Radiology Director of Training Dashboard -







WHAT NEEDS TO BE DONE

- Trainees to complete assessments and learning experiences in timely manner as per current training requirements.
- Trainees to keep all information and records up-to-date in TIMS, to ensure data being transferred to the e-Portfolio is as accurate as possible.
- Trainees to meet with DoT to determine and document all completed ETRs and training experiences.
- To read information regarding the transition provided through College communication channels and keep abreast of change.



SUMMARY

- The enhanced training program starts from February 2022
- Evidence-based best practice is the foundation of the revised program
- A combination of formative assessment and summative assessment will be used to determine trainee progress and competence
- Phase 1 and Phase 2 Examinations eligibility is a hybrid



WEBINARS

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www.ranzcr.com/tar/webinars

FOR MORE INFORMATION

Visit the TAR webpage at www.ranzcr.com/college/tar

Webinar schedule available:

www.ranzcr.com/college/tar/webinars

Email us at:

CRtraining@ranzcr.edu.au

