Education renewal

Program handbook

Advanced Training in Nephrology



About this document

This program handbook outlines the learning, teaching, and assessment (LTA) programs for Advanced Training in Nephrology, Adult Internal Medicine and Paediatrics & Child Health, for trainees and supervisors.

This handbook should be used in conjunction with the Advanced Training in Nephrology, Adult Internal Medicine and Paediatrics & Child Health curriculum standards.

For more information or to provide feedback contact <u>curriculum@racp.edu.au</u>.

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Program overview

Purpose of Advanced Training

The RACP offers Advanced Training in 33 diverse medical specialties as part of Division, Chapter, or Faculty training programs.

The purpose of Advanced Training is to develop a workforce of physicians who:

- have received breadth and depth of focused specialist training, and experience with a wide variety of health problems and contexts
- are prepared for and committed to independent expert practice, lifelong learning, and continuous improvement
- provide safe, quality health care that meets the needs of the communities of Australia and Aotearoa New Zealand.



Learning, teaching, and assessment (LTA) structure

The learning, teaching, and assessment structure defines the framework for delivery and trainee achievement of the curriculum standards in the Advanced Training program.

Advanced Training is structured in three phases. These phases will establish clear checkpoints for trainee progression and completion.

- 1 Specialty foundation • Orient trainees and confirm their readiness to progress in the Advanced Training program
- 2 Specialty Continue trainees' professional development in the specialty, and support progress towards the learning goals
- **3 Transition to Fellowship** • Confirm trainees' achievement of the curriculum standards, completion of Advanced Training, and admission to Fellowship
 - Support trainees' transition to unsupervised practice



Figure 1: Advanced Training Learning, Teaching, and Assessment structure

- An entry decision is made before entry into the program.
- **Progress decisions**, based on competence, are made at the end of the specialty foundation and specialty consolidation phases of training.
- A **completion decision**, based on competence, is made at the end of the training program, resulting in eligibility for admission to Fellowship.

Learning goals

The <u>curriculum standards</u> are summarised as **25** learning goals. Learning and assessment activities are linked to the learning goals to ensure that these activities align with the standards and trainees are able to demonstrate learning across the breadth of the curriculum.

The learning goals articulate what trainees need to be, do, and know, and are assessed throughout training on a five-point scale.

		Progr crit	Completion criteria	
	Learning goals	Specialty foundation	Specialty consolidation	Transition to Fellowship
		By the end of this phase, trainees:	By the end of this phase, trainees:	By the end of training, trainees:
Be	1. Professional behaviours	Level 4 need to work on behaviour in 1 or 2 domains of professional practice	Level 5 consistently behave in line with all 10 domains of professional practice	Level 5 consistently behave in line with all 10 domains of professional practice
	1. Team leadership: Lead a team of health professionals	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
	2. Teaching and supervision: Supervise and teach professional colleagues	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
	3. Quality improvement: Identify and address failures in healthcare delivery	Level 2 able to act with direct supervision	Level 4 able to act with supervision at a distance	Level 5 able to a provide supervision
(s)	4. Clinical assessment and management: Clinically assess and manage the ongoing care of patients	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
Do (work tasks)	5. Management of transitions in care: Manage the transition of patient care between health professionals, providers, and contexts	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
Do	6. Acute kidney injury : Assess and manage patients with acute kidney injury	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
	7. Longitudinal care: Manage and coordinate the longitudinal care of patients with chronic illness, disability and/or long-term health issues	Level 2 able to act with direct supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
	8. Communication with patients: Discuss diagnoses and management plans with patients	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision
	9. Prescribing: Prescribe therapies tailored to patients' needs and conditions	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision

	perfo	Procedures: Plan, prepare for, orm, and provide aftercare for ortant practical procedures	Level 2 able to act with direct supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision	
		Clinic management: Manage utpatient clinic	Level 2 able to act with direct supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision	
	12. End of life care: Manage the care of patients at the end of their lives Image: Manage the end of their lives 13. Transplantation: Assess and manage kidney transplants Image: Manage end of their lives Image: Display transplants Image: Manage end of their lives Image: Display transplants Image: Display transplants Image: Display transplants Image: Display transplants Image: Display transplay tra		Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision	
			Level 2 able to act with direct supervision	Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	
			Level 3 able to act with indirect supervision	Level 4 able to act with supervision at a distance	Level 5 able to provide supervision	
			Level 2	Level 4	Level 5 able to provide supervision	
	HatDialysis: Prescribe and manage dialysis for paediatric and neonatal patients with kidney failure		able to act with direct supervision	able to act with supervision at a distance		

AIM: Adult internal medicine PCH: Paediatrics & child health

		Progr crit	Completion criteria	
	Learning goals	Specialty foundation	Specialty consolidation	Transition to Fellowship
	Learning goals	By the end of this phase, trainees:	By the end of this phase, trainees:	By the end of training, trainees:
Know (knowledge guides)	1. Clinical sciences	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)
	2. Acute kidney injury	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)
	3. Chronic kidney disease	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)
	4. Transplantation	Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)

	5. Hypertension		Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)	
	6. Glomerular, tubular, and interstitial nephritis		Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)	
	7. Dialysis		Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)	
	8. Inherited, congenital and rarer diseases		Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	
	9. Urological issues and onco- nephrology		Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 4 frequently show they can apply knowledge in this knowledge guide to patient care (shows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)	
	10. Adult interventional nephrology	AIM only	Level 2 know the topics and concepts in this knowledge guide that underpin patient care (knows)	Level 3 know how to apply the knowledge in this knowledge guide to patient care (knows how)	Level 5 consistently apply sound knowledge in this knowledge guide to patient care (does)	

AIM: Adult internal medicine

Training program requirements summary

Entry and registration requirements

What do I need to do?	When do I need to do it?
1 registration form	At the start of each phase of training

Prospective trainees can demonstrate:

Entry attributes	Prospective trainees can demonstrate:
	 A commitment and capability to pursue a career as a physician in nephrology.
	 The ability and willingness to achieve the common learning goals for Advanced Training:
	» team leadership
	» supervision and teaching
	 » the professional behaviours, as outlined in the Competencies.
Entry criteria	 Completed RACP Basic Training, including the Written and Clinical Examinations.
	 An Advanced Training position in an RACP-accredited training setting or network.
	 General medical registration with the Medical Board of Australia if applying in Australia, or a medical registration with a general scope of practice with the Medical Council of New Zealand and a practising certificate if applying in Aotearoa New Zealand.

Eearning program requirements

Wha	t do I need to do?	When do I need to do it?
Clinic	cal experience	
equiv expe	plete at least 36 months full-time valent (FTE) of relevant professional rience in approved rotations in at least erent training settings.	 In any sequence over the course of training.
Expe	riential training	
•	36 months full-time equivalent (FTE) of relevant professional experience in approved nephrology rotations in at least 2 different training settings. A maximum of 6 months in dialysis without other significant medical components.	 In any sequence over the course of training.
Loca	tion of training	
•	Complete training in at least 2 different accredited training settings. Complete at least 24 months of training in accredited training settings in Australia and/or Aotearoa New Zealand.	 In any sequence over the course of training.
PCH	 Complete training in at least 2 different accredited training settings. Complete at least 6 months of training in accredited training settings in Australia and/or Aotearoa New Zealand. 	 In any sequence over the course of training.

Learning courses	
3 required learning courses:	
 RACP Induction to Advanced Training resource* 	Within the first 6 months of Advanced Training.
 RACP Health Policy, Systems, and Advocacy resource* 	 Recommended completion before the Transition to Fellowship phase.
 RACP <u>Supervisor Professional</u> <u>Development Program</u> 	Before the end of Advanced Training.
Recommended learning courses	
 1 Australian and New Zealand Society of Nephrology (ANZSN) course 1 Transplantation Society of Australia and New Zealand (TSANZ) postgraduate course NOTE: alternate courses can be completed, i.e. paediatric specific or international courses of a similar nature. 	Once over the course of training.
	*Resource to be developed.

Teaching program requirements

What do I need to do?	When do I need to do it?
Name 2 individuals for the role of Education Supervisor	• Each accredited or approved training rotation.
 1 supervisor per rotation, who is a Fellow of the RACP and a practising nephrologist 1 supervisor per rotation, who is a Fellow of the RACP (or equivalent if at an overseas training setting) Recommended: wherever possible, trainees should maintain the same Education Supervisors throughout a phase of training. 	
Nominate 1 RACP training committee to act as a Progress Review Panel.	• One over the course of training.
Name 1 individual for the role of Research Project Supervisor (may or may not be the Education Supervisor).	One over the course of training.

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□ Assessment program requirements

What do I need to do?	When do I need to do it?			
	Per phase of training (i.e., each year)			
1 learning plan	• At the start of each phase of training and reviewed every 3 months.			
12 learning captures across the range of learning goals	• Minimum 1 per month.			
12 observation captures across the range of learning goals	• Minimum 1 per month.			
4 progress reports	 Minimum of 1 every 3 months. Note: final progress report for each phase includes end-of-phase review. 			
2 case reports	• Over the course of Advanced Training.			
	Once over the course of training (if passed)			
1 research project proposal	• Within the first 6 months of the specialty foundation phase.			
1 research project	• Submitted for marking before the start of the Transition to Fellowship phase.			

The RACP has set these as the minimum assessment requirements, though more work-based assessments are encouraged.

See <u>Appendix 1</u> for details on each of the learning and assessment tools.

The following list outlines appropriate observation captures assessors for nephrology trainees:

- consultant
- dialysis nurse
- dietician
- education supervisor
- pharmacist
- psychologist
- renal nurse practitioner
- social worker.

Program requirements by phase of Advanced Training

Specialty foundation phase



Purpose

• Orient trainees and confirm their readiness to progress in their Advanced Training specialty.



Duration

• 12 months full-time equivalent (FTE).



Entry attributes and criteria

Entry attributes

Prospective trainees can demonstrate:

- the commitment and capability to pursue a career as a physician in nephrology
- the ability and willingness to achieve the common learning goals for Advanced Training:
 - team leadership
 - supervision and teaching
 - the professional behaviours, as outlined in the Competencies.

Entry criteria

- Completed RACP Basic Training, including the Written and Clinical Examinations.
- An Advanced Training position in an RACP-accredited training setting or network.
- General medical registration with the Medical Board of Australia if applying in Australia, or a medical registration with a general scope of practice with the Medical Council of New Zealand and a practising certificate if applying in Aotearoa New Zealand.



Learning program

- 12 months FTE relevant professional experience in approved training rotations.
- Required learning courses:
 - RACP Induction to Advanced Training resource*
 - Health Policy, Systems, and Advocacy resource*^
- Recommended learning courses:
 - RACP Research Projects resource
 - RACP <u>eLearning resources</u>
 - RACP <u>curated collections</u>.

*Resource to be developed ^Required over the course of Advanced Training



Teaching program

- 2 named individuals for the role of Education Supervisor:
 - 1 supervisor per rotation, who is a Fellow of the RACP and a practising nephrologist
 - 1 supervisor per rotation, who is a Fellow of the RACP (or equivalent if at an overseas training setting).
- 1 nominated **RACP training committee** to act as a Progress Review Panel.
- **1** named individual for the role of **Research Project Supervisor** (may or may not be the Education Supervisor).
- Supplementary resources for **supervisors**:
 - Supervisor Professional Development <u>Program</u>
 - RACP Research Supervision <u>resource</u>
 - RACP Training Support resource
 - RACP Creating a Safe Workplace resource.
- Supplementary resources for training settings and networks:
 - Training provider standards for clinical training programs
 - Training network principles
 - RACP Trainee Selection and Recruitment guide.

Assessment program

- 12 learning captures (minimum of ~1 per month) across the range of learning goals.
- **12** observation captures (minimum of ~1 per month) across a range of learning goals.
- **1** learning plan, reviewed 3-monthly.
- 4 progress reports (minimum 1 per 3 months).
- **1** research project proposal (within the first 6 months of the Specialty Foundation Phase).
- 2 case reports over the course of training.



Progression criteria

To progress to the Specialty consolidation phase, trainees can demonstrate:

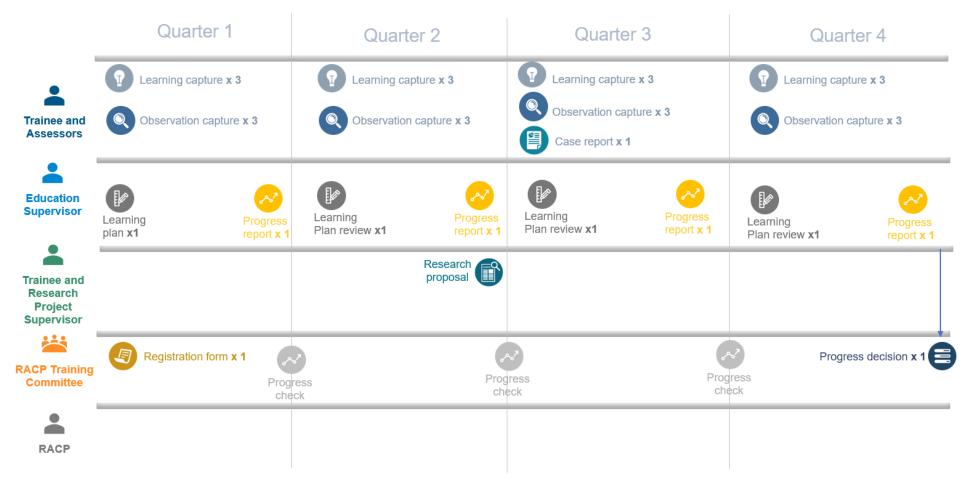
- the ability to plan and manage their learning, and to complete their learning and assessment requirements in a timely manner
- achievement of the learning goals to the levels outlined in the progression criteria.

It is **recommended** that trainees complete the following learning courses (if not completed previously):

- RACP Communication skills resource
- RACP Australian Aboriginal, Torres Strait Islander and Māori Cultural Competence <u>resource</u>
- RACP Ethics and Professional Behaviour resource
- RACP Leadership, Management, and Teamwork resource.

If a trainee cannot demonstrate they have satisfied the above criteria, they need to continue in their current phase and complete a learning plan to focus on areas in which they need to improve.

Specialty foundation phase



Specialty consolidation phase



Purpose

• Continue trainees' professional development in the specialty and support progress towards the learning goals.



Duration

• 12 months¹ full-time equivalent (FTE).



Entry criteria

Prospective trainees can demonstrate:

- certification of the Specialty foundation phase by the training committee overseeing the Specialty consolidation phase
- an Advanced Training position in an RACP-accredited training setting or network.



Learning program

- 12 months' FTE professional experience in approved training rotations.
- Required learning course:
 - Health Policy, Systems and Advocacy resource*^
- Recommended learning course:
 - RACP Communicating Risks and Benefits <u>resource</u>.

*Resource to be developed ^Required over the course of Advanced Training



Teaching program

• As per Specialty foundation phase.



Assessment program

- 12 learning captures (minimum of ~1 per month) across the range of learning goals.
- 12 observation captures (minimum of ~1 per month) across a range of learning goals.
- 1 learning plan, reviewed 3-monthly.
- 1 research project.
- 4 progress reports (minimum 1 per 3 months).

¹ 12 months FTE is a typical minimum assuming a three-year Advanced Training program. The length of this phase may vary for four- and five-year training programs.



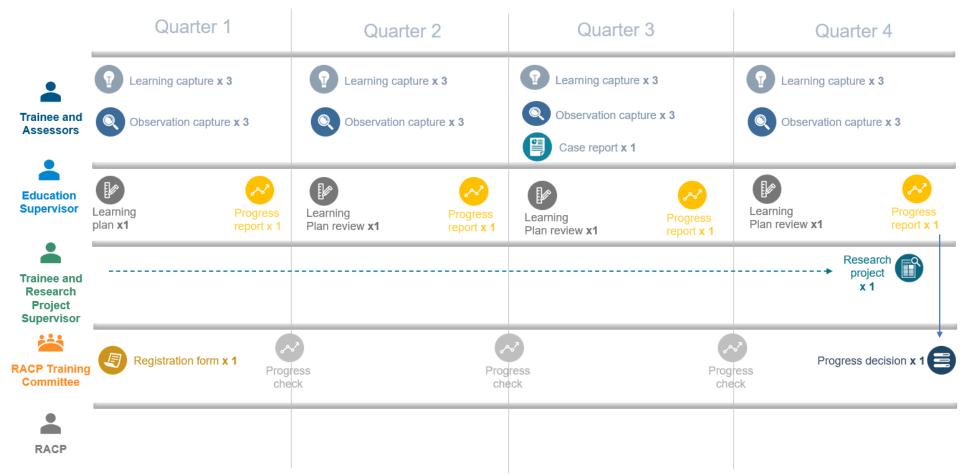
Progression criteria

To progress to the Transition to Fellowship phase, trainees can demonstrate:

- submission of the Research project
- the ability to plan and manage their learning, and to complete their learning and assessment requirements in a timely manner.
- achievement of the learning goals to the levels outlined in the progression criteria.

If a trainee cannot demonstrate they have satisfied the above criteria, they need to continue in their current phase and complete a learning plan to focus on areas in which they need to improve.

Specialty consolidation phase



Transition to Fellowship phase



- Confirm trainees' achievement of the curriculum standards, completion of Advanced Training, and admission to Fellowship.
- Support trainees' transition to unsupervised practice.



Duration

• 12 months full-time equivalent (FTE).



Entry criteria

Prospective trainees can demonstrate:

- certification of the Specialty consolidation phase by the training committee overseeing the Transition to Fellowship phase
- submission of 1 research project
- an Advanced Training position in an RACP-accredited training setting or network.



Learning program

• 12 months' FTE **professional experience** in approved training rotations.



Teaching program

• As per Specialty foundation phase.



Assessment program

- 12 learning captures (minimum of ~1 per month) across the range of learning goals.
- **12** observation captures (minimum of ~1 per month) across a range of learning goals.
- 1 learning plan, reviewed 3-monthly.
- 4 progress reports (minimum 1 per 3 months).



Completion criteria

To complete the Advanced Training program, trainees can demonstrate:

- the ability to evaluate and manage their learning, and to complete all requirements of training in a timely manner
- achievement of the learning goals to the levels outlined in the progression criteria
- completion of a satisfactory research project
- completion of the Supervisor Professional Development Program
 - completion of the following learning courses (if not completed previously):
 - RACP Communication skills resource
 - RACP Australian Aboriginal, Torres Strait Islander and Māori Cultural Competence resource
 - RACP Ethics and Professional Behaviour <u>resource</u>
 - RACP Leadership, Management, and Teamwork resource.

If a trainee cannot demonstrate they have satisfied the above criteria, they need to continue in their current phase and complete a learning plan to focus on areas in which they need to improve.

Transition to Fellowship phase

	Quarter 1	Quarter 1 Quarter 2		Quarter 3		Quarter 4		
•	Learning capture x 3		Learning capture x 3		Learning capture x 3		Learning capture x 3	
Trainee and Assessors	Observation capture	х 3	Observation cap	pture x 3	Observation ca	apture x 3	Observation ca	apture x 3
Education Supervisor	Learning plan x1	Progress report x 1	Learning Plan review x1	Progress report x 1	Learning Plan review x1	Progress report x 1	Learning Plan review x1	Progress report x 1
Trainee and Research Project Supervisor								
RACP Training Committee	Registration form x *	1 Progra chec		Prog		Progr	ress Recomm	on decision x 1 + nendation for llowship
RACP								

Appendix 1: Learning and assessment tools

A suite of tools will be used to support learning and assess the curriculum standards.

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Image: Sector of the sector		-
 A trainee-driven tool to facilitate the gathering of evidence of work-based learning linked to learning goals. Observation capture Supervised observation of trainees' work-based performance, linked to learning goals. Research project Enable trainees to develop experience in research methods in a work-based context, the ability to interpret research literature and quality improvement skills, and achieve the Professional Behaviours learning goal (the Research domain). Case report 		A work-based tool to facilitate the planning and review of learning goals
 Supervised observation of trainees' work-based performance, linked to learning goals. Research project Enable trainees to develop experience in research methods in a work-based context, the ability to interpret research literature and quality improvement skills, and achieve the Professional Behaviours learning goal (the Research domain). Case report 	2	A trainee-driven tool to facilitate the gathering of evidence of work-based
 Enable trainees to develop experience in research methods in a work-based context, the ability to interpret research literature and quality improvement skills, and achieve the Professional Behaviours learning goal (the Research domain). Case report 		Supervised observation of trainees' work-based performance, linked to
		Enable trainees to develop experience in research methods in a work-based context, the ability to interpret research literature and quality improvement skills,
		-



Progress report

Assess progress against all learning goals for the quarter and the phase, and progress against the criteria to progress to the next phase.