Supervised practice program for medical radiation practitioners

Supervision assessment report template:
Nuclear medicine
Report 1 template (do not submit this template)

The quarterly reports submitted during the supervised practice program will contribute to the assessment of the practitioner’s application for general registration with the Medical Radiation Practice Board of Australia.

You must discuss the assessment with the supervised practitioner prior to submitting. If required, this template of the 12 week report can be printed for use in discussions with the supervised practitioner and other supervisors.

Do not submit this template.

It is important that the principal supervisor refers to the Board’s Supervised practice registration standard and the Supervised practice program guide before completing assessment reports.

These documents can be found at www.medicalradiationpracticeboard.gov.au

The practitioner’s capability in each domain must be assessed. If the practitioner is assessed as making limited or no progress, further details must be provided. Comments are not required if the practitioner is meeting expectations as described below.

To submit each report you must login via www.medicalradiationpractice.gov.au and complete the report online within 14 days of the due date.

Queries regarding the assessment of supervised practitioners should be sent to mrpsupervisedpractice@ahpra.gov.au

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Name of supervised practitioner

Name of principal supervisor

Supervised practitioner registration number

Principal supervisor registration number

Date of report (DD/MM/YYYY):

Total weeks completed in program:

No of weeks worked during first period (usually 12 weeks):

Leave taken during first period (weeks):

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Domains for assessment

Professional capability is a reflection of how a practitioner applies their professional judgement, decision-making skills and experiential knowledge to apply their scientific knowledge, practical skills and ability in any given situation. It is recognised that a practitioner’s capability will expand and improve as they gain professional experience over the duration of their program of supervised practice.

Meeting expectations

For a supervised practitioner to be assessed as meeting expectations by the end of period one they:

- usually require direction and extended timeframes to undertake a practice or treatment
- have demonstrated clinical understanding and knowledge of the domain, but is not able to consistently apply this knowledge and often requires assistance, and
- have transitioned from the supervisor initially taking direct and principal responsibility for individual patient/clients; to shared responsibility between the supervisor and supervised practitioner.

Limited progress

The supervised practitioner is not demonstrating the expected level of capability in some elements of the domain. Minor changes to the supervision implementation plan are likely to allow the supervised practitioner to make sufficient progress over the next supervision period.

No progress

The supervised practitioner is not demonstrating the expected level of capability in most or all elements of the domain. Major changes to the supervision implementation plan are required to allow the supervised practitioner to make sufficient progress over the next supervision period.
## Domains for assessment

### 1. Professional and ethical conduct

1. Practises in an ethical and professional manner, consistent with relevant legislation and regulatory requirements.
2. Provides each patient/client with an appropriate level of dignity and care.
3. Assumes responsibility, and accepts accountability, for professional decisions.
4. Advocates on behalf of the patient/client, when appropriate within the context of the practitioner’s particular division of registration.

<table>
<thead>
<tr>
<th>Meeting expectations</th>
<th>Limited progress (Provide details below)</th>
<th>No progress (Provide details below)</th>
</tr>
</thead>
</table>

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period.

### 2. Communication and collaboration

1. Communicates clearly, sensitively and effectively with patient/client and their family or carers.
2. Collaborates with other health practitioners.

<table>
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<tr>
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Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

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### 3. Evidence-based practice and professional learning

1. Applies critical and reflective thinking to resolve clinical challenges.
2. Identifies ongoing professional learning needs and opportunities.

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<th>No progress (Provide details below)</th>
</tr>
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</table>

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period.
4. Radiation safety and risk management

4.1 Implements safe radiation practice appropriate to their division of registration.
4.2 Protects and enhances patient/client safety.
4.3 Confirms and operates equipment and instrumentation safely and appropriate to their division of registration.
4.4 Maintains safety of self and others in the work environment appropriate to their division of registration.
4.5 Safely manages radiation and radioactivity in the environment.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period

5. Practice in medical radiation sciences

5.1 Applies their understanding of anatomy, physiology and pathology appropriate to their division of registration.
5.2 Applies principles of medical radiation physics and instrumentation.
5.3 Uses patient information management systems appropriately.
5.4 Confirms the procedure according to clinical indicators.
5.5 Assesses the patient/client's capacity to receive care.
5.6 Delivers patient/client care appropriate to their division of registration.
5.7 Manages and manipulates 3D datasets for diagnostic image production.
5.8 Applies knowledge of pharmaceuticals relevant to their division of registration.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period

Definitions for completing 5B - Practice in nuclear medicine

Capable

It is expected that some elements of this domain may be undertaken during one period of the program. In these elements, for a supervised practitioner to be assessed as capable for safe, independent practice they:

- always demonstrate capability to the standard required for independent practice
- take full responsibility for their practice, including individual patients within the supervisor's general oversight, and
- demonstrate an understanding of medical radiation practice concepts in new or unusual circumstances and/or in contexts that are unfamiliar to them.
Meeting expectations
It is expected that some elements of this domain will be undertaken throughout the duration of the program. In these elements, for a supervised practitioner to be assessed as meeting expectations by the end of period one they:
• usually require direction and extended timeframes to undertake a practice or treatment
• have demonstrated clinical understanding and knowledge of the domain, but is not able to consistently apply this knowledge and often requires assistance, and
• have transitioned from the supervisor initially taking direct and principal responsibility for individual patient/clients; to shared responsibility between the supervisor and supervised practitioner.

Limited progress
The supervised practitioner is not demonstrating the expected level of capability in some elements of the domain. Minor changes to the supervision implementation plan are likely to allow the supervised practitioner to make sufficient progress over the next supervision period.

No progress
The supervised practitioner is not demonstrating the expected level of capability in most or all elements of the domain. Major changes to the supervision implementation plan are required to allow the supervised practitioner to make sufficient progress over the next supervision period.

Not performed
Not performed during the period should only be specified if the supervised practitioner was not required to demonstrate capability in the domain during the assessment period.

5B.1. Implement the preparation and assess purity of radiopharmaceuticals
a. Perform the elution and quality control of a radioisotope generator
b. Assay the eluate and prepare radiopharmaceuticals ensuring critical procedure features are observed, such as correct volume
c. Perform quality control on radiopharmaceuticals and assess for patient/client use.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period

5B.2. Explain the biodistribution and applications of radiopharmaceuticals including therapies
a. Demonstrate understanding of biodistribution, including determining whether it is normal, altered or unexpected.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period
5B.3. Implement routine nuclear medicine imaging

- Demonstrate understanding of standard nuclear medicine planar projections and their application to each body area.
- Demonstrate understanding of appropriate dosage of both isotope and CT for each patient/client
- Perform SPECT/CT and PET/CT studies, including positioning the patient/client for the best diagnostic outcome
- Evaluate nuclear medicine images and apply nuclear medicine quality criteria to these images.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?


Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period


5B.4. Implement computed tomography (CT) imaging for nuclear medicine imaging

- Demonstrate understanding of the use, design and operation of CT systems
- Demonstrate understanding of imaging parameters, scan protocols and relative dose levels based on the range of patient presentations
- Perform and evaluate anatomical/attenuation correction CT scan
- Apply knowledge of post processing techniques, including multi-planar reformats and volume imaging.

☐ Meeting expectations  ☐ Limited progress (Provide details below)  ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?


Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period


5B.5. Implement the delivery of nuclear medicine radioisotope examinations and therapies

- Calculate the dose and decay of radioisotopes used in examinations and therapies
- Demonstrate understanding of the difference between therapeutic and diagnostic doses, as it affects the patient/client, health practitioner and the general public
- Demonstrate understanding of the principles underpinning nuclear medicine therapies
- Apply patient/client preparation, care and aftercare, and delivery systems for nuclear medicine radioisotope therapies.
- Use appropriate dose delivery systems and safe, aseptic techniques.

☐ Meeting expectations ☐ Limited progress (Provide details below) ☐ No progress (Provide details below)

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period

5B.6. Describe how to undertake in vivo and in vitro laboratory procedures

- Describe safe aseptic blood labelling procedures
- Describe in vivo laboratory procedures
- Demonstrate knowledge of methods to determine if results of laboratory procedures are normal, altered or unexpected.

☐ Capable ☐ Meeting expectations ☐ Limited progress (Provide details below) ☐ No progress (Provide details below) ☐ Not performed

Detail the reasons for assessment: What specific practice areas within the domain need to be addressed?

Detail the changes needed to the supervision plan for the practitioner to make sufficient progress over the next supervision period

Overall assessment

Do you have a concern about this supervised practitioner's progress?

☐ Yes ☐ No (Provide details below)

If the practitioner is not suitable to continue in the program, please provide a detailed explanation of your assessment. You will be contacted by AHPRA to discuss the assessment.
Is the supervised practitioner suitable to progress to next period of supervision as described in their Supervision implementation plan?

☐ Yes  ☐ No (Provide details below)

If the practitioner is not suitable to progress to the next period of supervision, detail changes recommended to the previously agreed supervision implementation plan and reasons for the changes.


Have you discussed this supervision report with the supervised practitioner and do they agree with the recommendation?

☐ Yes  ☐ No

Have you discussed this supervision report with the supervised practitioner, and do they agree with the assessment and to continue with the existing agreed supervision implementation plan?

☐ Yes  ☐ No

Have you discussed this supervision report with the supervised practitioner and agreed to recommend an amendment to the existing supervision implementation plan?

☐ Yes  ☐ No