Supervised practice program for medical radiation practitioners

Supervision assessment report template:
Nuclear medicine
Report 4 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 final 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

<table>
<thead>
<tr>
<th>Name of supervised practitioner</th>
<th>Supervised practitioner registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of principal supervisor</td>
<td>Principal supervisor registration number</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of report (DD/MM/YYYY):</td>
<td></td>
</tr>
<tr>
<td>Total weeks completed in program:</td>
<td>Number of weeks worked during final period (usually 12 weeks):</td>
</tr>
<tr>
<td>Leave taken during final period (weeks):</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

**Capable**

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 patient/clients within the supervisor's general oversight, and
- consistently demonstrate an understanding of medical radiation practice concepts in new or unusual circumstances and/or in contexts that are unfamiliar to them.

**Domains for assessment**

1. Professional and ethical conduct

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

   - [ ] Capable
   - [ ] Not yet capable

   (Provide details below)

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

---

Nuclear medicine Report 4 template (do not submit this template)
Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

---

2. Communication and collaboration

- 2.1 Communicates clearly, sensitively and effectively with patient/client and their family or carers.
- 2.2 Collaborates with other health practitioners.

☐ Capable  ☐ Not yet capable

(Provide details below)

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

---

3. Evidence-based practice and professional learning

- 3.1 Applies critical and reflective thinking to resolve clinical challenges.
- 3.2 Identifies ongoing professional learning needs and opportunities.

☐ Capable  ☐ Not yet capable

(Provide details below)

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

---

Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

---

Nuclear medicine Report 4 template (do not submit this template)
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.

☐ Capable       ☐ Not yet capable  (Provide details below)

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


Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe


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.

☐ Capable       ☐ Not yet capable  (Provide details below)

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


Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe


5B. Practice in nuclear medicine

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.

☐ Capable       ☐ Not yet capable  (Provide details below)

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


Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

---

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.

   - [ ] Capable
   - [ ] Not yet capable
      (Provide details below)

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

---

Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

---

5B.3. Implement routine nuclear medicine imaging
   a. Demonstrate understanding of standard nuclear medicine planar projections and their application to each body area.
   b. Demonstrate understanding of appropriate dosage of both isotope and CT for each patient/client
   c. Perform SPECT/CT and PET/CT studies, including positioning the patient/client for the best diagnostic outcome
   d. Evaluate nuclear medicine images and apply nuclear medicine quality criteria to these images.

   - [ ] Capable
   - [ ] Not yet capable
      (Provide details below)

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

---

Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

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

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

<table>
<thead>
<tr>
<th>Capable</th>
<th>Not yet capable</th>
</tr>
</thead>
</table>

(Provide details below)

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

Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

---

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

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

<table>
<thead>
<tr>
<th>Capable</th>
<th>Not yet capable</th>
</tr>
</thead>
</table>

(Provide details below)

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

Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

---
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          [ ] Not yet capable

(Provide details below)

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


Is an additional period of supervised practice recommended for the practitioner to demonstrate they are capable of safe independent practice? Provide details of practice areas to be addressed and expected timeframe


Overall assessment

Is the supervised practitioner considered capable of safe, independent practice in all areas of medical radiation practice within their division of registration?

[ ] Yes          [ ] No

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

[ ] Yes          [ ] No

If practitioner is not yet capable, is an additional period of supervised practice recommended?

[ ] Yes          [ ] No

Please provide details of the areas of practice and additional time required


Please provide details of the reasons an extension is not recommended


How many weeks extension do you recommend?

[ ] Weeks

Have you discussed this supervision assessment report with the supervised practitioner and do they agree to the recommended extension in the supervised practice program?

[ ] Yes          [ ] No
Have you discussed this supervision assessment report with the supervised practitioner and are they aware an extension is not recommended?

☐ Yes  ☐ No