

Bachelor of Medical Radiation Science

Student Luxel Policy

Overview

All personnel working with or in the near proximity of ionising radiation in the areas of medical imaging, radiation therapy or nuclear medicine are required by law to wear a personal radiation monitor or Luxel.

Undergraduate students working with ionising radiation on campus or at clinical placement will be issued with a Luxel consisting of a monitor badge and a plastic holder.

Students are required to change over their Luxels approximately every three months for radiation dose assessment.

Luxels are issued on a loan basis at no cost to students, however repeated loss or damage to Luxels may need to be replaced at the student's expense.

Quarterly Luxel Exchange

Each quarterly badge is identified by a different colour to indicate the wear period:

Blue	Q1	1 January – 31 March
Green	Q2	1 April – 30 June
Yellow	Q3	1 July – 30 September
Red	Q4	1 October – 31 December

Students are notified by email when a Luxel exchange is scheduled and are required to return the current Luxel and collect their new Luxel by the specified due date. The due dates are at times adjusted from the quarterly monitoring period to account for interstate placements and/or placement duration.

Luxels returned after the due date impact the wearer's radiation exposure records.

Luxels for Medical Radiation Science students are exchanged at the Reception Desk C8-53, located on Level 8 of the Centenary Building, City Campus East.

Student Responsibilities

Once students receive a Luxel it becomes their responsibility to ensure its proper use and care. According to the [South Australian Radiation Protection and Control Regulations 2022](#) (p.11), students are deemed 'radiation workers' and must:

- Wear their Luxel in accordance with any instructions given to them
- Wear their Luxel at all times when undertaking radiation work (including at clinical placements and on-campus activities)
- Not permit any other person to wear their Luxel or wear a Luxel belonging to someone else

University staff and clinical supervisors can deny students entry to a radiation work area if a student is not wearing their Luxel.

Instructions for wearers

- Upon issue, students must verify that they have collected their own Luxel and that the name on their badge is printed correctly
- Luxels are to be worn between the shoulders and waist, with the wearer's name facing outward
- When wearing lead protective aprons, keep the Luxel attached to your clothing (under apron)
- In pregnancy, students are advised to inform the Program Director who will arrange issuing of monthly Luxels in addition to quarterly monitoring. The risk of ionising radiation causing detriment to the foetus is higher than the risk to the student/worker
- Students must surrender their Luxel to C8 Reception when:
 - Taking a leave of absence
 - Withdrawing from the program
 - They have completed the degree

Luxel care

- Always know the whereabouts of your Luxel

- Luxels are sensitive to high heat, direct sunlight, proximity to electrical equipment (e.g. microwave) and also to moisture or water damage
- Avoid leaving them in places where they could be tampered with or accidentally/intentionally exposed to radiation
- When travelling interstate/overseas, declare Luxel to airport security personnel as a radiation sensitive device and hold it while passing through security gate
- Luxels should not be placed in carry-on luggage or checked luggage due to X-ray screening procedures at airports
- Keep your Luxel at home for personal travel
- Keep your Luxel at home when attending personal medical procedures that involve ionising radiation (e.g. dental or other X-rays, scans etc.)
- Students with medical devices (e.g. insulin pumps) can attend clinical placements as devices are unlikely to be within the direct radiation beam. Students can contact the Program Director or RSO if unsure

Radiation Dose Readings

Quarterly radiation dose records are maintained by Adelaide University in accordance with the [South Australian Radiation Protection and Control Regulations 2022](#).

Quarterly and cumulative radiation doses are reviewed by the Radiation Safety Officer (RSO).

Any readings exceeding the allowed threshold of radiation dose exposure are communicated to students and the RSO opens an investigation to understand possible reasons for the high dose reading.

Findings from the investigation and any actions are reported to the Program Director and the University-wide RSO on a regular basis.

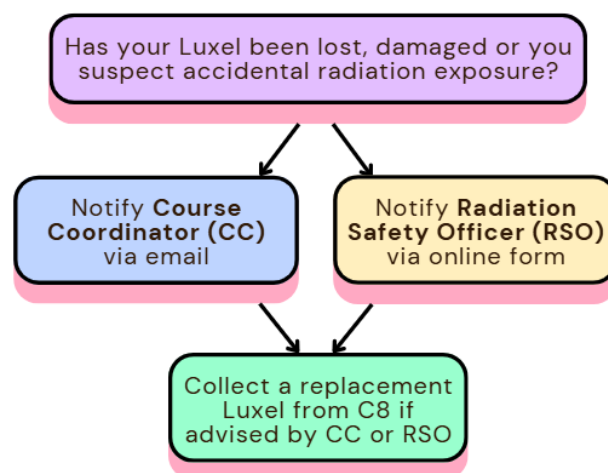
Students can request a copy of their radiation dose history at any time by contacting the RSO.

Upon completion of their final year, students are issued a complete record of their personal radiation dose history.

As per best practice, quarterly radiation dose records are submitted to the [Australian National Radiation Dose Register](#), a database managed by the Australian Radiation Protection and Nuclear Safety Agency.

Luxel Incident Reporting

In the case of any Luxel incidents such as loss, damage or accidental radiation exposure students should contact both their Course Coordinator (via email) and the RSO (via this [online form](#)) as per procedure below.



Contacts

Local RSO – michala.short@adelaide.edu.au

Program Director – cristina.blefari@adelaide.edu.au

More information

Luxel incidents – log using this [online form](#)

General Luxel queries (e.g. exchange due dates, student change of name/surname, leave of absence etc.)

In person at C8 Reception desk email school_ahhp@adelaide.edu.au

General radiation safety information

Refer to the Student guidelines for working with ionising radiation