



CME ELECTIVE UNITS: EMERGENCY IMAGE INTERPRETATION

MEDICAL IMAGING IN EMERGENCY SETTINGS SAVES LIVES

Gain the confidence and expertise needed to interpret medical imaging in an emergency setting.

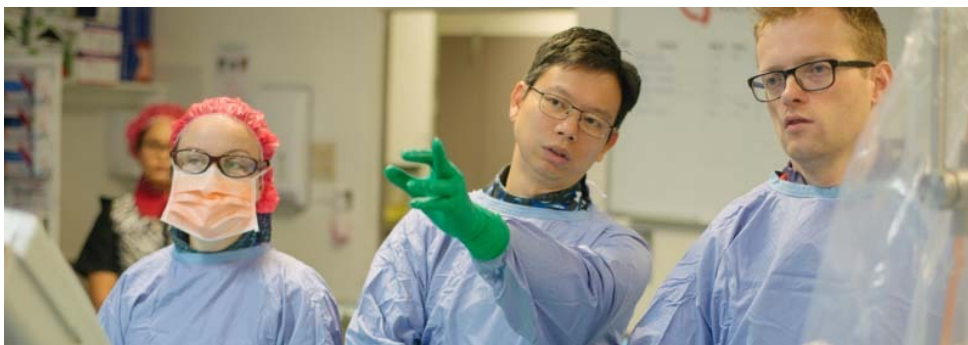
Develop your skills in imaging acquisition and interpretation and become a medical imaging specialist in your emergency department.

If you're a Emergency Physician or Allied Health Practitioner interested in medical imaging in emergency settings, these units are for you.

Our Department of Medical Imaging and Radiation Sciences has developed two flexible online units to allow busy clinicians to complete these units in one year.

In the CME Unit Emergency Image Interpretation you will:

- Interpret radiographic images of common conditions affecting the long bones, girdles, spine, chest and abdomen.
- Address the physical principles underpinning the generation of angiographic CT images and CT perfusion studies.
- Address current issues in contrast media in CT angiography and perfusion studies to inform subsequent analysis of images generated within the emergency setting.
- Interpret sectional imaging anatomy of the head, chest and abdomen including vascular sectional imaging anatomy.



FURTHER STUDY

This course consists of two elective units (RAD5201 and RAD5202) from Monash's Master of Clinical Medicine (Emergency Medicine and Trauma specialisms) course. They can provide credits towards a Monash postgraduate degree, such as the Master of Clinical Medicine. These units can be completed as stand-alone CME units.

Course code

Units RAD5201 and RAD5202

Study mode

Online

Intakes

Durations

Full time: 6 months

Part time: 1 year



"I always wanted to improve my knowledge in emergency radiology in plain x-rays and CT. I found Monash had the best structured teaching courses. Since completing the Emergency Image Interpretation course, I can engage in higher level discussions with my radiology colleagues and share my knowledge with junior medical staff."

Pratheepan Parameswaran Emergency Image Interpretation Graduate



UNIT STRUCTURE

Students will complete one unit each semester.

EMERGENCY IMAGE INTERPRETATION 1 (RAD5201)

This unit:

- Serves as an introduction to image acquisition and interpretation of both plain radiography and CT imaging.
- Specifically develops interpretative skills in the assessment of radiographic images of common conditions affecting the long bones, girdles, cervical spine and chest within the trauma and emergency setting.
- Introduction to the physical principles underpinning the generation of CT images of the head, neck and develop skills in the interpretation of these images.

EMERGENCY IMAGE INTERPRETATION 2 (RAD5202)

This unit:

- Builds on the lessons of RAD5201 unit.
- Focuses on CT imaging and interpretation including advanced imaging strategies such as angiography and perfusion studies within the emergency setting.
- Reinforces existing knowledge of sectional imaging anatomy of the head, chest and abdomen including vascular sectional imaging anatomy.
- Addresses the physical principles underpinning the generation of angiographic CT images and CT perfusion studies of relevance to the emergency and trauma settings.
- Will extend interpretative skills in the assessment of radiographic images in the trauma and emergency setting to include the abdomen and thoraco-lumbar spine.

LEARN MORE

For further information about the Emergency Image Interpretation 1, visit handbook.monash.edu/current/units/RAD5201. For further information about the Emergency Image Interpretation 2, visit handbook.monash.edu/current/units/RAD5202

FUTURE STUDENT ENQUIRIES

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