



THE UNIVERSITY OF  
MELBOURNE

# Ultrasound for Physiotherapists

Ultrasound imaging elevates contemporary physiotherapy practice by informing emergency differential diagnosis, enhancing clinical decision making and ultimately accelerating management and intervention strategies for improving patient outcomes.

Growing evidence supports ultrasound as a non-invasive, valid and reliable point-of-care outcome measure that can be used to diagnose lung pathology, monitor fracture healing and act as a biofeedback tool for the rehabilitation of muscle following injury and trauma.

This program has been designed, authored and developed by a team of interdisciplinary professionals within physiotherapy and medicine. It consists of modules that cover point-of-care ultrasound imaging of bone, muscle and lung.

## Learning Outcomes

- Demonstrate appropriate operation of the ultrasound machine, including settings required to obtain optimised ultrasound images
- Identify lumbar and thigh muscles using ultrasound
- Explain the ultrasound appearance of lung pathology and its limitations
- Explain the ultrasound appearance of sternal pathology
- Outline the parameters for assessment and management of sternal complications
- Perform a lung ultrasound examination in the erect and supine patient



## Convenience

Fully online. Study on iOS, Android and Windows devices.



## Reinforcement

9 interactive tutorials and 16 online cases to practise interpretation.



## Recognition

Certificate of Completion issued upon finalising all required components.



## Course Outline

There are **9 self-paced tutorials** and **16 case studies**, accessible across multiple platforms, covering:

- Introduction to Ultrasound for Physiotherapists
- Generating Ultrasound Images
- Basic Modes of Ultrasound
- Operation of the Ultrasound Machine
- Ultrasound Imaging of Skeletal Muscle — Thigh
- Ultrasound Imaging of Skeletal Muscle — Lumbar
- Ultrasound Imaging of the Sternum
- Lung Ultrasound Diagnosis
- Lung Ultrasound Procedures and Case Studies

### Delivery Mode

Students have the flexibility to study in their own time and location. Program materials can be accessed through the eLearning Education app on phones or tablet devices with iOS, Android or Windows systems. Program materials can also be accessed online using a web browser.

### Assessment

- Submission of all unit self-assessments and case studies.
- Certificate of Completion will be issued at the end of the course.

### Course Duration

It is estimated this course takes 12 hours to complete. It is recommended that you complete the course within one month to optimise your learning experience.

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### Fees

A\$500

A\$300 student discount (students will be required to provide proof of student status)

Contact us about group discounts

### Contact Us

Mobile Learning Unit

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### How to Apply

Head to the [UoM MDHS website](#) to apply