



THE UNIVERSITY OF
MELBOURNE

Mobile Learning Unit

Melbourne Medical School

Lung Ultrasound for Nurses and Physiotherapists

Innovative and practical introductory course for nurses and physiotherapists to learn how to perform bedside lung and sternal ultrasound in clinical practice.

Includes comprehensive on-line educational material, a supervised workshop as well as the opportunity for self-guided practice training using high-fidelity ultrasound simulators in The University of Melbourne Ultrasound Simulation Centre.

Bedside point of care ultrasound is changing the rules in medicine and is rapidly becoming used by many clinical specialties.

Ultrasound of the lung enables non-invasive, rapid diagnosis and day to day monitoring of many acute lung conditions such as effusion, consolidation, atelectasis, pulmonary oedema and pneumothorax. Ultrasound is more accurate than chest x-ray and doesn't expose patients or staff to radiation and is now available on most hospital wards.

Ultrasound of the sternum enables early and accurate identification of sternal wound instability and dehiscence, which has significant implications for patient mobilisation and recovery after cardiac surgery.

Outcomes

- Learn how to perform and report ultrasound examination of the lungs and sternum in the erect and supine patient.
- Understand the clinical uses and limitations of ultrasound in assessment of lung pathology and sternotomy, such as pleural effusion, consolidation, atelectasis, pulmonary oedema, pneumothorax and sternal stability after sternotomy.



Convenience

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



Reinforcement

5 Case Studies and 4 self-assessments to practise interpretation



Recognition

Certificate of Completion issued upon course completion

 For more information, visit go.unimelb.edu.au/4996



Course Outline

1. Introduction
2. Basic Modes of Ultrasound
3. Generating Ultrasound Images
4. Lung Ultrasound
5. Sternum Ultrasound
6. Case Studies and Reporting

Assessment

1. Pre-reading: 4 units of self-assessments, 5 case studies and pre-workshop exam (online - 10 hours)
2. A supervised workshop at University of Melbourne Ultrasound Simulation Centre (3 hours)
3. 10 Lung simulator case studies, self-performed at the Simulation Centre (7 hours)
4. Online multiple-choice post-workshop exam
5. Online log book (not mandatory)

A Certificate of Completion is provided upon satisfactory completion of the assessment.

Delivery mode

Course completion requires approximately 10 hours of online learning and 10 hours of practical training.

- Students have the flexibility to study the pre-reading material in their own time and location.
- Program materials can be accessed through the eLearning Education app on mobiles and tablets with iOS, Android or Windows systems or with a web browser.

Course fees

AUD \$440 (inc. of GST)
RMH staff \$330 (inc. of GST)

How to apply

▶ Go to go.unimelb.edu.au/4996

This course will be released in February 2019 and pre-course material will be made available 1 month before the workshop date.

Please complete the Expression of Interest form and we will notify you once the course is released.

Workshop schedule

Thursday, 28th February 2019

9:00am - 12:00pm

Royal Melbourne Hospital.

Thursday, 23rd May 2019

9:00am - 12:00pm

Royal Melbourne Hospital.

Thursday, 12th September 2019

9:00am - 12:00pm

Royal Melbourne Hospital.

Thursday, 21st November 2019

9:00am - 12:00pm

Royal Melbourne Hospital.

Get in touch

▶ medicine.unimelb.edu.au/mlu

✉ mobile-learning@unimelb.edu.au

☎ +61 3 8344 5673



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