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.

Course Outline

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

Tutorial 1: Introduction to Ultrasound for Physiotherapists
Tutorial 2: Generating Ultrasound Images
Tutorial 3: Basic Modes of Ultrasound
Tutorial 4: Operation of Ultrasound Machine
Tutorial 5: Ultrasound Imaging of the Sternum
Tutorial 6: Ultrasound Imaging of Skeletal Muscle - Thigh
Tutorial 7: Ultrasound Imaging of Skeletal Muscle - Lumbar
Tutorial 8: Lung Ultrasound Diagnosis
Tutorial 9: Lung Ultrasound Procedures and Case Studies

These 9 interactive tutorials including 16 online cases are designed to practise interpretation.

Delivery Mode

This course is delivered 100% online. 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. Further information on this will be portrayed once enrolled.

Assessment

The assessment involves submission of all unit self-assessments and case studies.
A Certificate of Completion will be issued upon successful completion of the required assessments.

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.

Registration

Register via APA website to receive the following rates:
APA Member - $385.00
Non-Member - $550.00

Course Director

A/P Doa El-Ansary

BAppSc (Phty), Int. Cert. OMT, PhD, APAM

Dr Doa El-Ansary is an Associate Professor and Course Director of Physiotherapy in the School of Health Sciences at Swinburne University. She is also an honorary senior research fellow within the Department of Surgery, School of Medicine, at the University of Melbourne. With expertise in both cardiorespiratory and musculoskeletal physiotherapy, she has worked in private practice, public and private hospitals settings in addition to holding honorary and teaching posts at the Australian Institute of Sport; the University of Sydney; the University of Canberra and Heart Support Australia.

Course Leaders

Professor Alistair Royse

MBBS MD FCSANZ FRACSz

Course Co-director, Ultrasound Education Group, Department of Surgery, The University of Melbourne, Cardiothoracic surgeon at The Royal Melbourne Hospital and Western Hospital, Deputy Director, Department of Surgery, The University of Melbourne.

Alistair Royse has cardiothoracic and general surgery fellowships. He completed a Doctorate of Medicine on arterial coronary artery bypass surgery in 2000. His research interests include arterial and composite arterial coronary grafting, use of echocardiography including surface ultrasound and transthoracic echocardiography, and long-term outcomes of coronary grafting strategies.

Professor Colin Royse

MBBS MD FANZCA

Program Co-director, Ultrasound Education Group, Department of Surgery, The University of Melbourne; Consultant Anaesthetist, Department of Anaesthesia and Pain Management, The Royal Melbourne Hospital.

Colin Royse is a specialist cardiothoracic anaesthetist with research interests in transesophageal and transthoracic echocardiography, pain management in cardiac surgery, cognition, and quality of recovery after anaesthesia and surgery. He has completed a Doctorate of Medicine on applications of transesophageal echocardiography in cardiac anaesthesia and surgery. He is involved in both clinical and basic science research.