MONASH University

MONASH PRIMARY AND ALLIED HEALTH CARE

MONASH UNIVERSITY CRITICAL CARE ULTRASOUND SHORT COURSES

ULTRASOUND PHYSICS FOR CRITICAL CARE IMAGING

THE MONASH UNIVERSITY CRITICAL CARE ULTRASOUND (MUCCU) SHORT COURSES COMBINE FLEXIBLE ONLINE LEARNING WITH PRACTICAL, HANDS-ON SUPPORT SESSIONS BY EXPERTS AT CLINICAL SITES.

This micro-credential Ultrasound Physics for Critical Care Imaging is the pre-/co-requisite for the suite of MUCCU short courses. Upon successful completion, you will be awarded the micro-credential MUCCU certificate.Successful completion of this physics module is required to complete any MUCCU short course.

WHAT YOU'LL LEARN

- Apply ultrasound physics to differentiate true pathology from imaging artefacts.
- Optimise image quality and recognise trade-offs.
- Apply Doppler principles, Nyquist limit, aliasing, angle correction, and practical haemodynamic applications in critical care.
- Consider safety considerations including ALARA principles understand equipment limitations.

DELIVERY AND ASSESSMENT

- Self-directed online learning including lectures, videos and recommended reading
- Multiple choice questions assessment

COURSE OUTLINE AND REGISTRATION

- **Duration:** 1 month
- **Registration by:** 9 March, 2026
- **Start date:** 16 March, 2026
- **Course fees:** $550 (includes GST)
- **Registration link:** Scan QR code below

Contact Us
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