



THE UNIVERSITY OF  
MELBOURNE

# Focused Ultrasound Simulator Education eLearning Packages

Clinical training and education are vital elements for any hospital's growth, however getting quality programs implemented is often a slow process. Focused Ultrasound Simulator Education (FUSE) has been developed to be easily integrated into any hospital structure.

These ultrasound courses are accredited, affordable, and provide a systemised solution for any education training director who wants to run their own specialised ultrasound education for hospital staff.

The courses are a combination of CAE simulators and FUSE eLearning. They have been designed to ensure clinicians gain:



## Knowledge

via interactive eLearning



## Examination

via online assessment portal



## Recognition

Completion certificate



## Practice

via self-directed practice on simulators



## Clinical logbook option

to record all clinical cases performed

## Key benefits

- Quickly and easily establish your own ultrasound training programs
- Pre-prepared written content
- Tap into an established, well-recognised, successful training program and make it your own
- Access to a powerful and easy-to-navigate eLearning delivery platform
- Measure engagement through learner progress analytics

## Simplified logistics

- Easy to manage student enrolment system with prepaid voucher facilities
- Train up your own instructors through our own *Train the Trainer* Package
- Guidance on how to set up a self-directed booking system

## Host hospital provides:

- 3 hour simulator workshop with instructor(s)
- CAE simulator and pathology
- Advertising, registration process

## eLearning Package:

- Simulator pathology cases
- Online tutorials, assessment and exams
- Completion certificate
- Clinical logbook option
- Email, phone and online support

# Simulator Courses

## Focused Ultrasound Simulator Education (FUSE) eLearning Packages

The FUSE courses provide the eLearning, while the host hospital provides a 3 hour workshop and 1 month access to high fidelity ultrasound simulator. The following courses are available:

### FCU Transthoracic Echocardiography Simulator Course (FCU TTE)

📄 10 Sim Cases    ✅ 8 Tutorials    📁 20 Online Case Studies    **Course Fee:** \$300

Learn practical skills in transthoracic echocardiography. Reinforced learning on both normal and pathological cases.

### FCU Transoesophageal Echocardiography Simulator Course (FCU TOE)

📄 6 Sim Cases    ✅ 8 Tutorials    📁 20 Online Case Studies    **Course Fee:** \$300

Build a comprehensive knowledge base by learning practical skills in transoesophageal echocardiography to complement clinical evaluation. The course is also suitable for those seeking training in cardiac anaesthesia and intensive care.

### FCU Peri-Arrest Simulator Course

📄 16 Sim Cases    ✅ 5 Tutorials    📁 20 Online Case Studies    **Course Fee:** \$300

Learn systematic ultrasound examination skills and diagnosis of conditions that cause peri-arrest and cardiac arrest, including ultrasound of the heart, lung and abdomen.

*Pre requisite:* Prior basic training in focused cardiac ultrasound (transthoracic echocardiography), e.g. FCU TTE or iHeartScan™.

### FUSE Lung Ultrasound Simulator Course

📄 10 Sim Cases    ✅ 5 Tutorials    📁 10 Online Case Studies    **Course Fee:** \$300

Learn to perform and interpret point-of-care surface ultrasound diagnosis of common significant lung pathology including normal, pneumothorax, pleural effusion, consolidation, atelectasis, pulmonary oedema, empyema, pulmonary embolus, and learn how to perform and practice ultrasound-guided drainage of pleural effusion on a thoracocentesis simulator.

### FUSE Vascular Access Simulator Course

📄 4 Sim Cases    ✅ 5 Tutorials    **Course Fee:** \$300

Learn venous or arterial cannulation to increase success and reduce the risk of complications by guidance with ultrasound. The course covers ultrasound-guided cannulation of central and peripheral veins (internal jugular, subclavian, femoral, PICC) and arteries (femoral, brachial and radial).

## FCU TTE and FCU TOE Advanced available soon

