

One Day

BASIC POCUS



Hands-on Ultrasound Training for Emergency, Critical Care & General Practice Physicians

Course Description

- This intensive one-day training introduces clinicians to Point-of-Care Ultrasound (POCUS) for rapid diagnosis and clinical decision-making in emergency and critical care settings.
- Through a combination of interactive lectures and hands-on scanning sessions, participants gain practical skills to perform common ultrasound procedures safely and confidently.
- All sessions include live scanning using ultrasound machines, phantoms, and real volunteers under expert supervision.

Course Topics:

1. Physics and Knobology

- Understand ultrasound principles: frequency, wavelength, resolution, and penetration.
- Learn about various transducer types, probe orientation, and manipulation.
- Recognize common artifacts and their clinical importance.

2. FAST Examination

- Introduction to the FAST Exam and its clinical indications.
- Learn the main anatomical sites: subcostal, hepatorenal, splenorenal, and suprapubic areas.
- Master scanning tips, Trendelenburg positioning, and interpretation of positive and negative findings.

3. Vascular Access

- Indications and technique for ultrasound-guided vascular access.
- Learn needle visualization, tip tracking, and safety pearls.
- Review arterial and venous anatomy.

4. Basic ECHO

- Understand cardiac probe positions and acoustic windows.
- Learn parasternal long/short axis and apical 4-chamber views.
- Master visual "eyeballing" for cardiac function and effusion assessment.

5. IVC & Aorta Evaluation

- Assess IVC collapsibility and estimate volume status.
- Use color Doppler to confirm venous and aortic flow.
- Identify aneurysms, thrombus, and key aortic landmarks.

- Join our One-Day POCUS Course designed for beginners and emergency physicians to enhance their ultrasound skills through practical training and expert guidance in a supportive learning environment.

**Hands-on
Ultrasound
Training**



+201080663181



www.sonoschool.org



Info@sonoschool.org



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