

AGENDA

MORNING ½ day course 9AM to 1PM

How to Operate an Ultrasound Machine

- Correctly prepare all components to acquire an ultrasound image: Ultrasound gel and the correct transducer.
- Turn on the machine and adjust the initial setup
- Recognize the settings on the device

How to Optimize an Ultrasound Image

- Adjust the depth
- Adjust the frequency
- Adjust the focus
- Adjust the gain
- Apply the color Doppler
- Adjust Time Gain Compensation

Learn the Transducer Manoeuvres

Demonstrate the 5 core transducer manoeuvres to obtain and optimize images and understand their utility in clinical practice.

- P: Pressure
- A: Alignment
- R: Rotation
- T: Tilt
- H: Heeling

Recognize the Ultrasonographic Appearance of Structures Relevant to Regional Anesthesia

Identify nerves, fascicles, tendons, blood vessels, bone, muscle, and fascial planes.

Acquire Hand-Eye Coordination Skills

Demonstrate the ability to guide the needle using both *in-plane* or *out-of-plane* in order to reach a specific target.

