

Building Blocks Regional Anesthesia and IV Access Workshop

March 23th, 2024

08:30-09:30 How to operate an ultrasound machine

Here's what this session will give you:

- ▶ Proficiency in operating ultrasound machines
- ▶ Expertise in preparing essential components for optimal imaging, such as selecting the right transducer and applying ultrasound gel correctly
- ▶ Confidence in setting up the machine from start-up to full operation
- ▶ Comprehensive understanding of device settings for optimal results

09:30-10:30 How to optimize an ultrasound image

- ▶ Achieve mastery in optimizing ultrasound images for clarity and precision
- ▶ Develop skills to fine-tune settings, enhancing ultrasound imagery for regional anesthesia and IV access

10:30-10:45 Coffee Break

10:45-12:45 Essential transducer manoeuvres

- ▶ Master the five core transducer maneuvers for optimal image acquisition
- ▶ Gain a deeper understanding of their practical applications in clinical settings

12:45-13:30 Lunch Break

13:30-14:30 Recognize the ultrasonographic appearance of structures relevant to regional anesthesia

- ▶ Be able to discern ultrasonographic sonoanatomy for regional anesthesia & IV access
- ▶ Confidently identify nerves, fascicles, tendons, blood vessels, bone, muscle, and fascial planes

14:30-15:30 Recognize ultrasound artifacts

- ▶ Recognize the five most common artifact in the practice of regional anesthesia

15:30-17:00 Acquire hand-eye coordination skills in simulation models

- ▶ Sharpen your hand-eye coordination on NYSORA simulators
- ▶ Master the techniques to guide needles both in-plane and out-of-plane, ensuring precise targeting every time

17:00-17:30 Checklists and monitoring in regional anesthesia

- ▶ Enhance patient safety and shield yourself from malpractice
- ▶ Master the rapid application of checklists for monitoring in regional anesthesia
- ▶ Understand the critical reasons for using nerve stimulation and learn the techniques for utilizing injection pressure monitors effectively