

Building Blocks Regional Anesthesia and IV Access Workshop

May 17th, 2024

Hands-on practice using NYSORA Simulators

08:00-09:00 **How to operate an ultrasound machine & optimize the image**

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
- ▶ 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

09:00-10:00 **Essential transducer manoeuvres**

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

10:00-11:00 **Recognize the ultrasonographic appearance of structures relevant to regional anesthesia & Ultrasound Artifacts**

- ▶ Be able to discern ultrasonographic sonoanatomy for regional anesthesia & IV access
- ▶ Confidently identify nerves, fascicles, tendons, blood vessels, bone, muscle, and fascial planes
- ▶ Recognize the five most common artifacts in the practice of regional anesthesia

11:00-12:00 **Acquire hand-eye coordination skills**

- ▶ 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