



Focused hands-on skills development leading to proficiency in ultrasound guided needle placement.

SCHEDULED DATES 2024

April 13, May 11, June 15, July 20, Aug 17, Sept 7, Oct 19, Nov 23, Dec 21

Classes are 10 A.M. to 2 P.M.

FORMAT

- 4 hours focused on hands on training.
- Scheduled or Private (minimum 4 attendees/maximum 10).
- Dedicated location with a range of ultrasound machines.
- Advanced simulation and real time ultrasound scanning with the latest in needle guidance technology.
- Block and procedure specific simulation workshops on request.

VALKYRIE ACADEMY

**81 War Memorial Drive, Suite C
Berkeley Springs WV 25422**

INTRODUCTORY COST

**\$350 (LIMITED TIME, TAKE
HOME FREE SIMULATOR)**





OBJECTIVES

- State the fundamentals of ultrasound physics and demonstrate appropriate optimization for system controls.
- Demonstrate image orientation, transducer preparation, and scan protocols for scanning with ultrasound.
- Perform image adjustments for optimal success and understand doppler fundamentals.
- Recognize appearance of key anatomy under ultrasound.
- Acquire skills to guide a needle with ultrasound both in-plane and out-of-plane with confidence to an identified target.

AGENDA

Session 1: How to operate an ultrasound machine & optimize the image.

- Understand ultrasound technology and the science behind it.
- Develop comprehensive understanding of device settings for optimal results.
- Achieve skills to fine-tune settings, enhancing ultrasound imagery.
- Master the core transducer manoeuvres and scanning techniques for optimal image acquisition.

Session 2: Essential transducer manoeuvres and object recognition.

- Recognize the ultrasonographic appearance of structures relevant to regional anaesthesia & Ultrasound Artifacts.
- Confidently identify nerves, fascicles, tendons, blood vessels, bone, muscle, and fascial planes.
- Recognize the most common ultrasound artifacts.

Session 3: Needle Techniques

- Master the techniques to guide needles both in-plane and out-of-plane, ensuring precise targeting every time.
- Master probe cover usage and catheter placement.

Session 4: Hands On

- Hands on practise of all simulators.

developed skills using anatomical

