

2019 NMA POCUS WORKSHOP Objectives

At the end of this program the participant will be able to:

1. Identify the basic mechanisms of ultrasound and the piezoelectric effect and ultrasound wave formation.
2. Discuss the benefits of using a phased or high frequency ultrasound probe compared to a low frequency probe.
3. Discuss image optimization techniques and how probe angulation affects beam scatter.
4. Define and reproduce the movements involve in ultrasound probe manipulation.
5. Demonstrate the best ergonomic approach to upper, lower extremity and truncal blocks and for lung, cardiac, and vascular access ultrasound.
6. Review the anatomy of the pertinent scanning regions of the body
7. Discuss role of ultrasound in determining cardiac status
8. Support why POCUS could be beneficial in resuscitating a patient
9. Recognize and describe the differences between a femoral block and an adduction canal block.
10. Defend the use of ultrasound in determining a the presence or absence of a pneumothoraces.