



# Professional Enrichment Course

University of Pittsburgh School of Medicine

Office of Medical Education

## Introduction to Regional Anesthesia: Learning Ultrasound Guided Nerve Blocks

<b>Enrollment Period:</b>	Spring 2024
<b>Course Dates:</b>	5-7pm, January 30, 31, February 1, dinner to be provided
<b>Student Max:</b>	20
<b>Class Year:</b>	MS1
<b>Course Director:</b>	Steven Orebaugh, MD <a href="mailto:orebaughsl@anes.upmc.edu">orebaughsl@anes.upmc.edu</a>
<b>Course Contact:</b>	Steven Orebaugh, MD <a href="mailto:orebaughsl@anes.upmc.edu">orebaughsl@anes.upmc.edu</a>
<b>Location:</b>	WISER
<b>Registration:</b>	Via Amp Up – You will receive an email with enrollment info
<b>Course Description:</b>	This three or four evening course will introduce students to ultrasound-guided peripheral nerve blocks and other aspects of regional anesthesia, with particular focus on upper extremity and brachial plexus blocks. Course sessions will include a short (20 min) didactic session, covering gross anatomy, ultrasound anatomy, use of ultrasound for nerve blocks, and safety during peripheral nerve blockade. Didactic sessions are followed by skill-building exercises that include ultrasound scanning with simulated patients to emphasize the upper extremity ultrasound anatomy and practice with a gel block and/or meat phantoms to develop needle guidance skills. If time allows we will also cover ultrasound-guided vascular access.
<b>Objectives:</b>	<ol style="list-style-type: none"><li>1. Learn anatomy of structures associated with brachial plexus nerve blocks.</li><li>2. Learn sonographic anatomy of these structures.</li><li>3. Practice needle guidance techniques in a phantom/partial task trainer.</li><li>4. Learn techniques involved in correct placement of brachial plexus blockade.</li><li>5. Understand the benefits of regional anesthesia in surgical pain control (esp. in orthopedics, general surgery, thoracic surgery, and obstetrics).</li><li>6. Learn how ultrasound can minimize the risks associated with peripheral nerve blocks.</li></ol>
<b>Pre-Requisites:</b>	None
<b>Requirements:</b>	Attend all sessions and participate actively in skills session

