



# Professional Enrichment Course

University of Pittsburgh School of Medicine

Office of Medical Education

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

<b>Brief Description:</b>	<p>This three evening course (5-7 pm) 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 upper extremity and lower extremity ultrasound anatomy, and practice with a cadaver arm in order to develop needle guidance/ultrasound skills. If time allows we will also cover ultrasound-guided vascular access.</p>
<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 after visualizing the nerves in a cadaver arm to simulate peripheral nerve block placement.</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>Organizer:</b>	Steven Orebaugh, MD <a href="mailto:orebaughsl@anes.upmc.edu">orebaughsl@anes.upmc.edu</a>
<b>Contact:</b>	Steven Orebaugh, MD <a href="mailto:orebaughsl@anes.upmc.edu">orebaughsl@anes.upmc.edu</a>
<b>Department:</b>	AnesthesiologyJ
<b>Location:</b>	Anatomy Lab area, Medical School (Scaife Hall)
<b>Reporting Info/First Day Location</b>	5 p.m. on Tuesday January 28
<b>Maximum # of students</b>	18
<b>Minimum # of students</b>	6

<b>MS1 (Class of 2028)</b>			
<b>Week</b>	<b>Start Date (Mon)</b>	<b>End Date (Fri)</b>	<b>Available?</b>
5	TUE 9/3/2024	9/6/2024	
12	TUE 10/22/2024	10/25/2024	
26	1/27/2025	1/31/2025	Preferred
30	2/24/2025	2/28/2025	
59	9/16/2025	9/20/2025	
<b>MS2 (Class of 2027)</b>			
<b>Week</b>	<b>Start Date (Mon)</b>	<b>End Date (Fri)</b>	<b>Available?</b>
59	9/16/24	9/20/24	
70	12/2/2024	12/6/2024	

	<b>MON</b>	<b>TUE</b>	<b>WED</b>	<b>THU</b>	<b>FRI</b>
<b>AM</b>					
<b>PM</b>		Jan 28 5-7 pm	Jan 29 5-7 pm	Jan 30 5-7 pm	

<p><b>Schedule splitting:</b></p> <p><b>Would it be possible for students to take SOME of the weekly schedule (e.g., just mornings or just a few half-days), or would you prefer that a student take the schedule in its entirety?</b></p> <p><b>[bold your choice]</b></p>	<p>Full required</p>
<p><b>If so above, please designate which parts of your schedule this would impact</b></p>	

[INSERT FULL SYLLABUS HERE]