

19th Annual Transcranial Doppler Course



Learn TCD Interpretation with 100 Patient Studies

September 5-7, 2025

Live online, hosted from Seattle, USA (Time Zone PDT, GMT-7)

CME: Over 24 hours Category 1 credits

This program is designed for physicians, advanced practice providers, sonographers, technologists, and other health care professionals seeking to acquire the skill sets and knowledge base required to apply, perform, and interpret Transcranial Doppler (TCD) and Transcranial Doppler Imaging (TCDI) studies. Didactic lectures will provide learners with the opportunity to learn the fundamentals of using TCD in patient care and will cover the various settings in which TCD is performed, including the diagnostic laboratory, emergency room, neurocritical care unit, operating rooms and endovascular procedure rooms. In addition, this course will provide 100 TCD patient case studies supervised with various faculty members. Attendees of this course will be eligible to apply for the American Society of Neuroimaging [RPNI examination for TCD](#).

Learning Objectives

- Identify basic principles of intracranial vascular anatomy, physiology, and pathophysiology
- Describe clinical applications of TCD
- Recognize normal and abnormal intracranial Doppler spectral waveforms
- Apply TCD and TCDI interpretation to 100 real patient case studies in a variety of clinical settings

Prerequisite Fundamental Lectures

Pre-recorded, online only. Available for viewing prior to start of course.

Topics will include:

- Neuroanatomy
- Basic Physics and Instrumentation
- TCD: Non-imaging and Imaging Techniques
- Subclavian Steal
- Extrinsic Compression of Vertebral Arteries with Head Rotation
- Building a Neurovascular Lab

Access to these pre-recorded lectures will be included with purchasing the other options. TCD course attendees are expected to be familiar with or have viewed these lectures prior to starting the course.

CME: 5+ hours Category 1 credit

Day 1, September 5

Pre-recorded and live webinar only.

Topics will include:

- Hemodynamics and Waveform Interpretation
- Collateral Flow
- Cerebral Emboli
- Endovascular Carotid Revascularization
- Intracranial Stenosis and Occlusion
- Patient case studies with TCD interpretation of above topics

Price: \$400 for MD / \$275 for Fellow/Resident or Allied Health

CME: 8 hours Category 1 credit

Day 2, September 6

Pre-recorded and live webinar only.

Topics will include:

- TCD Bubble Study for Patent Foramen Ovale (PFO)
- PFO: Anatomy, Pathology, Diagnosis, Treatment
- Vasomotor Reactivity
- Subarachnoid Hemorrhage and Vasospasm
- Traumatic Subarachnoid Hemorrhage
- Patient case studies with TCD interpretation of above topics

Price: \$400 for MD / \$275 for Fellow/Resident or Allied Health

CME: 8 hours Category 1 credit

Day 3, September 7

Pre-recorded and live webinar only.

Topics will include:

- Increased Intracranial Pressure and Cerebral Circulatory Arrest
- Sickle Cell Disease
- Patient case studies with TCD interpretation of above topics and other miscellaneous topics

Price: \$200 for MD / \$140 for Fellow/Resident or Allied Health

CME: 4 hours Category 1 credit

Prerequisite and Days 1-3 Lectures, September 5-7

Special Combo Price for all of the above: *Save \$125!!*

\$875 for MD / \$565 for Fellow/Resident or Allied Health

Current as of July 10, 2025. Subject to change.

For more information, please go to [TCD.education](https://www.tcd.ie/education)