

20th Annual Transcranial Doppler Course



Learn TCD Interpretation with 100 Patient Studies

August 28-30, 2026

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

CME: Over 23 Category I hours from Washington State University

- This program is designed for physicians, advanced practice providers, sonographers, technologists, fellows, residents, 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 the opportunity to learn the fundamentals of using TCD in patient care. Topics 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.
- This course has over 100 TCD patient case studies supervised with various faculty members. Attendees of this course may then 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 include:

- Neuroanatomy
- Basic Physics and Instrumentation
- Hemodynamics
- Waveform Interpretation
- TCD: Non-imaging and Imaging Techniques
- Collateral Flow
- Cerebral Emboli
- Bubble Study for PFO
- 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: 8 hours Category 1 credit

Day 1, August 28

Pre-recorded and live webinar only.

Topics will include:

- Patient cases studies with TCD interpretation of the following topics:
 - The "Normal" TCD Study
 - Collateral Flow
 - Cerebral Emboli
 - Endovascular Carotid Revascularization
 - Sickle Cell Disease

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

CME: 6+ hours Category 1 credit

Day 2, August 29

Pre-recorded and live webinar only.

Topics will include:

- PFO: Anatomy, Pathology, Diagnosis, Treatment
- Vasomotor Reactivity
- Subarachnoid Hemorrhage and Vasospasm
- Traumatic Subarachnoid Hemorrhage
- Point-of-care Ultrasound (POCUS)
- Patient case studies with TCD interpretation of above topics

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

CME: 6+ hours Category 1 credit

Day 3, August 30

Pre-recorded and live webinar only.

Topics will include:

- Increased Intracranial Pressure and Cerebral Circulatory Arrest
- Optic Nerve Sheath Diameter
- 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: 3+ hours Category 1 credit

Prerequisite and Days 1-3 Lectures, August 28-30

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

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

Current as of June 13, 2026. Subject to change.
For the most updated information, please go to [TCD.education](https://www.tcd.edu)