



# 20th Annual Transcranial Doppler Course

*The Fundamentals of TCD Scanning*

April 11-12, 2026

In-person Hands-on Conference

[Courtyard by Marriott Seattle Southcenter](#)

Address: 400 Andover Park West, Tukwila, Washington, USA, 98188

Over 19 AMA PRA Category 1 CME Credits™ from Washington State University  
Elson S. Floyd School of Medicine

## Learning Objectives

- Identify basic principles of intracranial vascular anatomy, physiology, and pathophysiology
- Describe clinical applications of TCD
- Demonstrate the proper techniques for the performance of TCD and TCD Imaging
- Recognize normal and abnormal intracranial Doppler spectral waveforms

## Prerequisite Fundamental Lectures

Online lectures:

1. Introduction to TCD Scanning  
Emily L. Ho MD, PhD, RPNI
2. Introduction to Cerebrovascular Anatomy: Decoding the Matrix  
Aaron Stayman MD, RPNI  
Emily L. Ho MD, PhD, RPNI
3. Foundations of Success with TCD: Physics and Instrumentation  
Leni Karr CPC, ELI-MP, RVT, NVS

4. Hemodynamics  
Leni Karr CPC, ELI-MP, RVT, NVS
5. Waveform Interpretation  
Krislynn Barnhart, BS, RVT, NVS
6. Non-imaging TCD Technique  
Brenda Rinsky, RVT, RDMS, NVS
7. Imaging TCD (TCDI or TCCD) Technique  
Krislynn Barnhart, BS, RVT, NVS
8. Recognizing Cerebral Emboli Using TCD  
Krislynn Barnhart, BS, RVT, NVS
9. Collateral Flow: Using TCD to Evaluate the Effects of Extracranial Stenosis on Intracranial Hemodynamics  
Emily L. Ho, MD, PhD, RPNI
10. Sickle Cell Disease (with Q&A)  
Michael Bender, MD, PhD
11. STOP Protocol for Sickle Cell Disease (with Q&A)  
Brenda Rinsky, RVT, RDMS, NVS
12. Self-Quiz for Cerebrovascular Anatomy and Physics  
Aaron Stayman MD, RPNI  
Emily L. Ho MD PhD, RPNI  
Leni Karr CPC, ELI-MP, RVT, NVS

## Pre-Course Meet & Greet – Thursday, April 2

Live online at 1700 PDT (GMT-7) using the 24-hour clock / military time.

Come online and meet some of the TCD course faculty and help us build a community of TCD enthusiasts!

Update April 2, 2026: We recorded this event for viewing by those who could not attend. Please check your email for details on how to view the recording.

## Day 1 – Saturday, April 11

Live in-person at Marriott Southcenter.

All times listed are Pacific Daylight Savings Time (GMT-7) using the 24-hour clock / military time.

Time	Topic	Location
0700	<b>Course Check-in and In-person Registration</b> Please come here to pick up the final schedule, CME info, station assignments, course materials, and other fun stuff!	The Boardroom (off the main lobby)
	<b>–Breakfast–</b>	Rainier
0745	<b>Welcome and Introduction</b> Leni Karr CPC, ELI-MP, RVT, NVS Emily L. Ho MD, PhD, RPNI Aaron Stayman MD, RPNI	St. Helens
0800	<b>Hands-on Training: Intro to TCD AKA Finding the “Dents”</b> TCD Course faculty	St. Helens
0845	<b>Ergonomics</b> TCD Course faculty	St. Helens
0915	<b>The Temporal Window: Demo and Hands-on Training</b> TCD Course faculty	St. Helens
1115	<b>Lecture: What Are We Looking At?</b> Aaron Stayman MD, RPNI	Puget Sound
1145	<b>–Lunch break–</b>	Rainier
	<b>Opportunity to visit with vendors until 1215</b>	St. Helens
1245	<b>The Foraminal Window: Demo and Hands-on Training</b> TCD Course faculty	St. Helens

1445	-Break-	Rainier
1500	The Orbital and Submandibular Windows: Demo and Hands-on Training TCD Course faculty	St. Helens
1600	Putting It All Together: The Complete TCD TCD Course faculty	St. Helens
1700	Q&A, Open Practice TCD Course faculty	St. Helens
1730	Adjourn	

## Day 2 – Sunday April 12

All times listed are Pacific Daylight Savings Time (GMT-7) using the 24-hour clock / military time.

Time	Topic	Location
0700	Course Check-in Please check-in for Day 2 attendance	The Boardroom
	<a href="#">Opportunity to visit with vendors until 0730</a>	St. Helens
	-Breakfast-	Rainier
0745	Announcements Leni Karr CPC, ELI-MP, RVT, NVS Emily L. Ho MD, PhD, RPNI Aaron Stayman MD, RPNI	Puget Sound
0800	TCD Bubble Study Demo TCD Course faculty	Puget Sound
0830	Cerebral Emboli: What Was That Bloop? Emily L. Ho MD, PhD, RPNI	Puget Sound

0900	Tips & Tricks: Learning from TCD Experts TCD Course faculty	St. Helens
0930	More Temporal Window: Headframe Demo TCD Course faculty	St. Helens
1000	Headframe Hands-on Training Optional Open Practice, Q&A TCD Course faculty	St. Helens
1130	Lecture: What Is Going On Here? Aaron Stayman MD, RPNI	Puget Sound
1200	<a href="#">Raffle Event</a>	St. Helens
1215	Adjourn	

## Faculty Members

Chandra Atkins, RVT  
Pacific Vascular Inc.

Krislynn Barnhart, RVT, NVS  
Philips Healthcare

Michael Bender, MD, PhD  
Seattle Children's Hospital  
F. Hutchison Cancer Research Center

Renee Borowski, RVT, NVS  
Swedish Medical Center

Meryl Harley, RVT  
Swedish Medical Center

Emily L. Ho, MD, PhD, RPNI  
Swedish Medical Center  
University of Washington

Leni Karr, RVT, NVS , CPC ELI-MP  
Leading Edge Insight, Inc.

B. Tonia Maddock, RVT, RDMS, NVS  
Swedish Medical Center

Brenda Rinsky, RVT, RDMS, NVS  
Independent Contractor

Ahmad Siyar, RVT, NVS  
Swedish Medical Center

Jill Sommerset RVT, FSVU  
HOPE Vascular and Podiatry  
Advanced Vascular Centers  
Washington State University

Vanessa Tran, RVT, NVS  
Harborview Medical Center  
University of Washington

Aaron Stayman, MD, RPNI  
Swedish Medical Center

## Course Planning Committee

Aaron N. Stayman MD, RPNI  
Emily L. Ho MD, PhD, RPNI  
Leni Karr RVT, NVS, CPC, ELI-MP  
Jill Sommerset RVT, FSVU

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Washington State University (WSU) Elson S. Floyd College of Medicine and TCD Education. The WSU Elson S. Floyd College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The WSU Elson S. Floyd College of Medicine designates this live activity for a maximum of 20.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Participants should claim only the credit commensurate with the extent of their participation in the activity.

Current as of April 9, 2026. Subject to change.