Peripheral Vascular Ultrasound
Faculty: Shawn Shanmuganathan BS, RDMS, RVT

Course Schedule

Lecture 8am-12 noon │ Lunch 12-1pm │ Scan Lab 1pm-5pm

Day 1 Lecture

- Principals
- Arterial Anatomy, Physiology, and Pathology
- 2D, Color Flow, and Doppler Spectral Analysis of the Arterial System

Scan Lab

Day 2 Lecture

- Physiologic Testing Concepts
- Segmental Pressures, Pulse Volume, and CW Doppler

Scan Lab

Peripheral Vascular Ultrasound
Faculty: Shawn Shanmuganathan BS, RDMS, RVT

Skills Checklist

The participant demonstrates an understanding of the following controls and utilizes them to produce an optimum image:

- ☐ Doppler
- ☐ Master Gain
- ☐ Scale, PRF, Nyquist Limit
- ☐ Color Bar
- ☐ Invert Color
- ☐ Filters
- ☐ Baseline
- ☐ Color Sector Steering
- ☐ Color Maps
- ☐ Angle Correction
- ☐ Sample Volume
- ☐ Gate Size
- ☐ Measure Peak Systolic Velocity
- ☐ Measure End Diastolic Velocity

The participant identifies the following vessels utilizing gray scale, color, and spectral Doppler imaging:

- ☐ Lower Extremity
- ☐ Common Femoral
- ☐ Superficial Femoral
- ☐ Popliteal
- ☐ Anterior Tibial
- ☐ Posterior Tibial
- ☐ Peroneal
- ☐ Upper Extremity
- ☐ Axillary
- ☐ Brachial
- ☐ Radial
- ☐ Ulnar