



Vascular Sonographer Exam Outline

This Exam Outline was developed to help you prepare for the knowledge exam.

This Exam Outline is not meant to cover all aspects of the knowledge exam, but to guide your preparation for questions that may occur in the knowledge exam.

Review:

- Common findings and complications based on anatomical location
- Imaging techniques, frequencies, and settings for specific anatomical locations
- Waveform and image interpretation, normal and abnormal
- Doppler angles
- Arterial and venous anatomy
- Vein classification systems
- Spectral analysis waveforms
- Surface landmarks
- Ultrasound scan planes
- Pressure gradients, normal and abnormal indications
- Transducer positions
- Define:
 - Duplex venous exam
 - Ankle brachial index range
 - Boundary layer separation
 - Carotid bulb atherosclerosis
 - Spectral waveform division
 - Turbulent flow
 - Flow reversal post-augmentation
 - Spontaneous venous flow
 - Vein collapse and compression
 - Vein incompressibility
 - Renal-aortic ratio
 - Extracranial carotid artery exam and ICA classifications
 - Raynaud's syndrome
 - Phasic flow
 - Acute and chronic thrombus