

Course Objectives/Course Outline

Spokane Community College

Course Title: Technical Skills/Vascular Procedures I

Prefix and Course Number: ECHO 121

Course Description:

This course is a continuation of the concepts essential for the performance and interpretation of vascular exams of the upper and lower extremities, abdomen, visceral organs, and cerebral vasculature. Basic imaging techniques and hemodynamic analysis, as well as instrumentation commonly used in the vascular laboratory, are included in this laboratory course.

Learning/Performance Expectations (e.g., outcomes, performance objectives, competencies, etc.)

By the end of this course, a student should:

1. Perform vascular technology examinations with increased proficiency, including cerebrovascular duplex, peripheral arterial duplex, peripheral venous duplex, and abdominal vascular duplex examinations.
2. Identify quantitative and qualitative assessment parameters of each vascular technology examination with increasing complexity.
3. Describe normal and abnormal findings of each basic vascular technology examination.
4. Generate written reports of all examinations performed.

Course Outline:

- I. Cerebrovascular Duplex Examination
 - a. Normal findings
 - b. Abnormal findings
- II. Peripheral Arterial Duplex Examination
 - a. Normal findings
 - b. Abnormal findings
- III. Peripheral Venous Duplex Examination
 - a. Normal findings
 - b. Abnormal findings
- IV. Abdominal Vascular Duplex Examinations
 - a. Aorto-iliac Duplex
 - b. Mesenteric Duplex
 - c. Renal Duplex