

Course Objectives/Course Outline
Spokane Community College

Course Title: Technical Skills/Reading Hemodynamics
Prefix and Course Number: ECHO 127

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Demonstrate setup of catheter trays and lines for hemodynamic monitoring
- Discuss and perform pressure recording and quality control procedures
- Record and interpret intracardiac pressures

Course Outline:

- I. Basic Hemodynamics principles
- II. Preload
- III. Afterload
- IV. Contractility
- V. Pressure Physiology
- VI. Monitoring Equipment
- VII. Electrical Safety
- VIII. IV Access
- IX. CVP Monitoring
- X. Right Heart Monitoring
- XI. Arterial Pressure Monitoring
- XII. Left Heart Cath Hemodynamics normal
- XIII. Left Heart Cath Hemodynamics normal
- XIV. Cardiac Output and Other Calculations
- XV. Introduction to shunts