

Clinical Skill Development Intensive: Cardiovascular Skills

Objectives: By completing this program, participants will be able to:

- Identify and explain the functional anatomy of the heart;
- Identify and explain normal cardiac electrical signals;
- Identify the most common cardiac rhythm disorders;
- Identify the most common valvular disorders;
- Identify the most common blood pressure dysregulations and effective treatments;
- Identify and apply best practices for assessing the function of the heart through auscultation, electrocardiogram, and echocardiogram
- Identify the limitations in in-office treatment, understanding appropriate referrals.

Agenda:

- Review normal anatomy of the heart through use of imaging and models (15 min.)
- Review normal heart electrical patterns and detection of abnormalities (15 min.)
- Review common cardiac pathologies and methods for detecting the pathology (25 min.)
 - ✚ Cardiac disorders: myocardial infarction, cardiomyopathy, R-CHF, endocarditis, pericarditis, rheumatic heart disease
 - ✚ Rhythm disorders: atrial fibrillation, atrial flutter, cardiac arrest, heart block, PVC/PAC, sinus bradycardia, supraventricular tachycardia, ventricular fibrillation, ventricular tachycardia
 - ✚ Valvular disorders: regurgitation, stenosis, prolapse
 - ✚ BP dysregulation: HTN, HTN crisis, hypotension
 - ✚ Circulatory system disorders
 - ✚ Occlusive valvular disorders
 - ✚ Trauma
- SOAP Case Presentation: Chief Concern, Subjective, Objective, Assessment, Plan (25min.)
 - ✚ Eliciting the Chief Concern from the patient
 - ✚ Subjective: The patient's story (OPQRST)
 - ✚ Objective: Focused physical examination of the patient
 - ✚ Objective: Imaging studies (What and When)
 - ✚ Assessment: Creating the Differential Diagnosis
 - ✚ Plan: Identifying and applying the most appropriate treatment
- Developing auscultation skills for the heart (20 min.)
 - ✚ APTM placement of the stethoscope
 - ✚ Murmurs, Clicks, Rubs, Gallops
 - ✚ Cardiac Hypertrophy
- Developing ECG skills (30 min.)
 - ✚ Basic skill in reading an ECG
 - ✚ Placing leads for a 12-lead ECG
- Developing BP monitoring skills (15 min)
 - ✚ Difficult patients
- Developing Hypertension Treatment Skills (15 min.)
 - ✚ Non-pharmacologic
 - ✚ Common classes of pharmacologic anti-hypertensives