



LAC+USC Cardiovascular Medicine Fellowship Program

Didactic Topics

Narrow Complex Tachycardias
Anatomy of the Conduction System
ECG 101
Wide Complex Tachycardias
ECG
Hemodynamics 1
Hemodynamics 2
Echo Standard Views and Normal Anatomy
Hemodynamics 3
Cardiac Emergencies 1 (ACS/post-MI complications)
Cardiac Emergencies 2 (PE, Tamponade)
Cardiac Emergencies 3 (Shock/MCS)
Hemodynamics 4
Atrial Fibrillation; 2019 ACC Focused Update
Cardiac Emergencies 4 (Dissection, HTN Emergency)
Coronary Angiography
ECG : ACS (Approach to CP, leads, STE/STD, etc)
Approach to Comprehensive ECG analysis
ECG/Board Review
Cardiac Emergencies: OOH Arrest, TTM
Anatomy of the Heart
M&M/CQI
EKG
Bradycardia and Conduction Delay 2018 ACC guidelines
ECG/Board Review
Pre-op Risk Stratification
ECG and Arrhythmia Mechanism
AF Ablation
ECG/Board Review
Hypertrophic Cardiomyopathy
Overview of Anti-arrhythmic Drug Therapy
Analysis of ICD Electrograms
Sudden Cardiac Death/Genetic channelopathies/syndromes
Cardiac Resynchronization Therapy
Heart Failure; 2017 ACC Focused Update
Acute Decompensated Heart Failure
Echocardiography Physics & Instrumentation
LVAD & OHT; Emphasis on Patient Selection
Ventricular Assist Devices
M&M/CQI
Updates on Heart Transplant
ECG/Board Review
Hemodynamics of Mechanical Circulatory Support
Echocardiography Diastology
Echo hemodynamics of constriction/restriction
Echocardiography Structural Heart Disease (AS/AI)
Echocardiography Hemodynamics
Echocardiography Structural Heart Disease (MS/MR)
Echocardiography Structural Heart Disease (TV/PV)
Echocardiography Prosthetic Valves
Valvular Heart Disease; 2017 ACC Focused Update
Echo Strain
Advanced Imaging; Appropriate Use CT
Advanced Imaging; Appropriate Use cMRI
Cardiovascular Physiology (Basic Science Lecture Series)
Cardiovascular Pharmacology (Basic Science Lecture Series)
Atherogenesis and Coronary Pathophysiology
Anti-platelet Therapy; 2016 ACC Focused Update
Secondary prevention ACC guidelines/Stable Ischemic Heart Disease; 2014 ACC Guidelines,
COURAGE, ISCHEMIA
Lower Extremity PAD; 2016 ACC Guidelines
Aortopathies (ACC guidelines for surgery/Thoracic Aortic disease ACC guidelines) Microvascular
Disease
Embryology of the Heart (Basic Science Lecture Series)
ASD; Embryology, Types, Patient Presentation, Surgical Treatment, Natural History
Secundum ASD; Cardiac Catheterization, Suitability for Closure, Percutaneous Closure, Follow Up
VSD Lecture
Special Board Review: Adult Congenital Heart Disease
Adult Congenital Heart Disease; 2018 ACC Guidelines
Digital/Tech in Cardiology