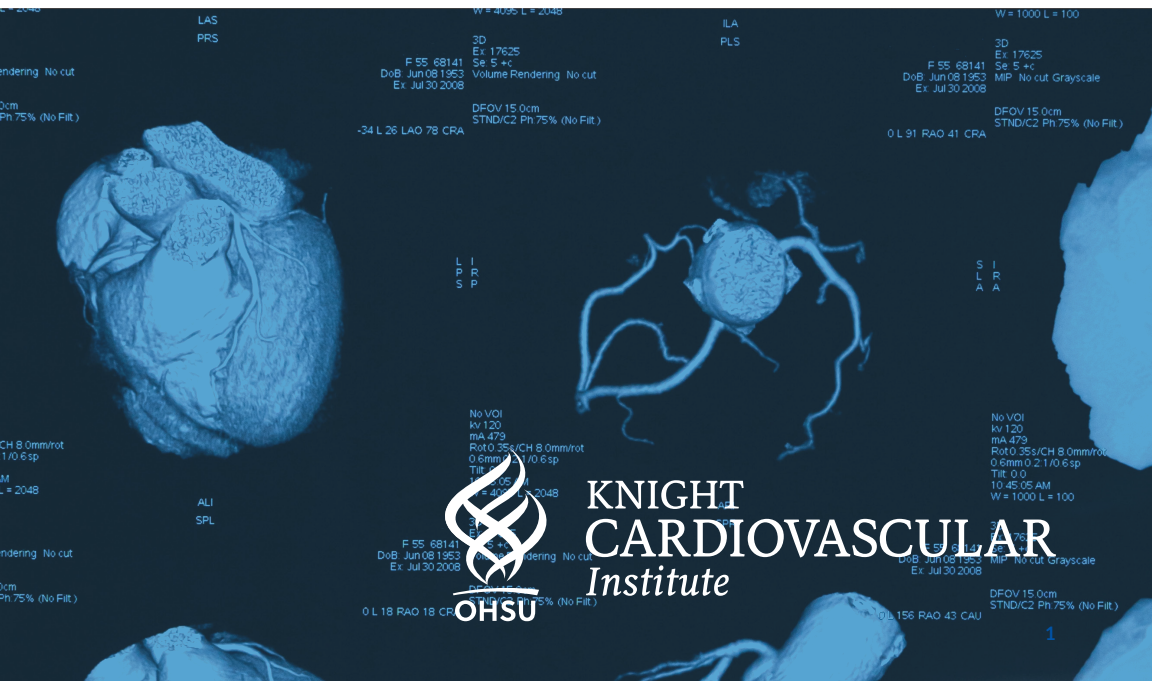


Traveling CME Cardiovascular 2023-24



KNIGHT
CARDIOVASCULAR
Institute

Traveling CME / Cardiovascular 2023-24

DATE	Upon request
LOCATION	Your practice, hospital, or virtual
WHO	Primary care and internal medicine providers, cardiologists, cardiac surgeons, thoracic surgeons and vascular surgeons
CREDIT	OHSU School of Medicine designates this live activity for a maximum of <i>1.0 AMA PRA Category 1 Credit</i> .™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.
ACCREDITATION	Oregon Health & Science University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



For more information or to schedule a traveling or virtual session, please contact OHSU Provider Relations.

Gabriel Flores

Provider Relations Manager, Strategic Outreach
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(Women's health cardiology)

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(Heart transplant, heart assist devices, hypertrophic cardiomyopathy, cardiac imaging)

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Associate professor

(Cardiac surgery, transplant, ventricular assist devices)

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Clinical pharmacist

(Hypertension, cholesterol management, polypharmacy)

Firas Zahr, M.D.

Associate professor

(Interventional cardiology, cardiac catheterization, structural heart disease)

Session selection

Acute Cardiac Conditions

Contemporary Management of Cardiogenic Shock

Learning objectives

- Describe the contemporary management of the diagnosis and treatment of cardiogenic shock.
 - Learn the role of mechanical support in management.
-

Aortic Disease

Inherited Aortic Disease: Diagnosis and Management

Learning objectives

- Learn how to identify patients with suspected inherited aortic disease.
- Understand the role of genetic testing in evaluation and management.
- Discuss management strategies, including medications and criteria for surgical referral.

Valve-Sparing Aortic Root Surgery

Learning objectives

- Learn about the diagnosis and medical management of thoracic aortic conditions.
- Learn about surgical options for aortic root replacement, including aortic valve-sparing procedures.

Approaches to Complex Thoracic Aortic Conditions

Learning objectives

- Identify complex aortic problems.
- Understand surgical treatment for these aortic problems.
- Review long-term follow-up needs and the role of medical therapies in reducing aortic events.

Management of Aortic Aneurysms

Learning objectives

- Review diagnosis and management of thoracic and abdominal aortic aneurysms.
- Review imaging modalities for AAA, TAA, and TAAA.
- Discuss endovascular and open surgical management of complex aortic aneurysms.
- Discuss screening and surveillance of aneurysms of the thoracic and abdominal aorta.

Contemporary Management of Abdominal Aortic Aneurysms

Learning objectives

- Understand current screening recommendations for AAA.
- Understand current open and endovascular treatment options for AAA.

Arrhythmia/ Electrophysiology

Pacemakers and ICDs: Everything a PCP Needs to Know

Learning objectives

- Review indications and contraindications for pacemakers and implantable cardioverter-defibrillators (ICDs).
- Review how pacemakers and ICDs work.
- Review common problems and perioperative management for pacers and ICDs.

Stroke, Bleeding and Anticoagulation: Choices in Atrial Fibrillation

Learning objectives

- Describe the various scoring systems for stroke and bleeding risk in atrial fibrillation.
- Evaluate the various anticoagulants and antiplatelet agents.
- Review management strategies for atrial fibrillation.

Syncope: What Constitutes an Appropriate Evaluation?

Learning objectives

- Describe the common causes of syncope.
- Evaluate the proper workup of syncope.
- Manage patients with syncope.

Atrial Fibrillation: What is Appropriate Therapy in the Modern Era?

Learning objectives

- Appropriate application of anticoagulation in patients with atrial fibrillation.
 - Rate and rhythm control medications in the management of atrial fibrillation.
 - The role of radiofrequency and cryoballoon ablation strategies in the management of atrial fibrillation.
 - The role of left atrial appendage occlusion in the management of atrial fibrillation.
-

Cardiomyopathy

Cardiac Sarcoidosis

Learning objectives

- Understand how to diagnosis cardiac sarcoidosis.
- Describe the long-term impact of sarcoidosis on the heart.
- Review treatment strategies.

Cardiac Amyloidosis

Learning objectives

- Recognize the features suggestive of cardiac amyloidosis.
- Understand approaches to diagnosis and management.

Genetic Cardiomyopathies

Learning objectives

- Understand the spectrum of genetic cardiomyopathies.
- Learn when to refer for genetic testing.

Hypertrophic Cardiomyopathy: Appropriate Screening and Management

Learning objectives

- Review the genetic basis of HCM and the importance of family screening.
 - Discuss the pathology and clinical manifestations of HCM.
 - Discuss treatment strategies for HCM.
-

Congenital Heart Disease

Patients with Adult Congenital Heart Disease: When to Worry and When to Refer

Learning objectives

- Understand the range of conditions associated with congenital heart disease in the adult.
 - Recognize situations requiring referral care for ACHD.
-

General Cardiology

Cardio-Oncology: The Cardiotoxic Effects of Chemotherapeutic Agents

Learning objectives

- Explain the various mechanisms and incidence of chemotherapy-associated cardiotoxicity.
- Describe protocols for the monitoring and prediction of these side effects, as well as strategies for implementation of cardioprotection.

Cardiovascular Screening Prior to Competitive Athletics in Teens and Young Adults

Learning objectives

- Describe the available means for screening and pathology.
- Discuss the incidental and structural cardiac abnormalities that can result in sudden cardiac death.
- Discuss implication of screening and means to prevent sudden cardiac death.

Coronary Artery Calcium: What is the Score?

Learning objectives

- Appreciate the scope and magnitude of coronary heart disease.
- Understand the rationale for screening.
- Learn how new tests can refine risk stratification.

Diagnosing and Managing CAD in Women

Learning objectives

- Understand the difference in presentation of CAD in women when compared to men.
- Understand the limitations of current diagnostic tools for assessment of CAD in women.
- Review the unique aspects of management of CAD in women.

Outpatient Antiplatelet Therapy for CAD: How Much, How Long?

Learning objectives

- Understand the role of antiplatelet therapy in post-acute coronary syndrome, multiple risk factors, PAD, TIA/CVA.
- Learn how to select an agent.
- Understand what impacts dosing of aspirin and new agents.

Risk Stratification for CAD: How to Order the Most Appropriate Test

Learning objectives

- Who should be screened? Learn how to identify your high-risk patients.
 - What type of stress test should be ordered? Review the different stress testing modalities and how they can help you risk stratify your patients.
 - What to do with the results? How to interpret results in context of your patient and decide on next steps .
-

Heart Failure

ECMO: An In-depth Introduction

Learning objectives

- Describe the different modes of ECMO support.
- Discuss global trends in ECMO utilization.
- List the components that make up an ECMO circuit.
- List the indications and contraindications for VV ECMO support.

VA ECMO and Cardiac Failure

Learning objectives

- Describe the rationale of VA ECMO use in cardiac failure.
- Determine adequacy of support in VA ECMO.
- Describe LV unloading on VA ECMO.
- Describe the process of weaning VA ECMO support.

VV ECMO and Respiratory Failure

Learning objectives

- Describe the rationale of VV ECMO use in respiratory failure.
- Determine adequacy of support in VV ECMO.
- Describe ventilator management goals on VV ECMO.
- Describe the process of weaning VV ECMO support.

Guideline-Based Treatment of Heart Failure

Learning objectives

- Recognize signs and symptoms of heart failure.
- Note the difference between staging heart failure and NYHA classification.
- Review appropriate therapies for stages A-D heart failure.

Heart Failure: Spectrum of Disease and Therapy

Learning objectives

- Identify the stages of heart failure and treatment guidelines by stage, including options for treatment of end-stage heart failure including palliative care, inotropes, ventricular assist devices and transplantation.
- Understand options for treatment of hypertrophic cardiomyopathy.
- Recognize restrictive cardiomyopathy, including cardiac amyloid, and learn options for treatment.

HFpEF – Heart Failure with Preserved Ejection Fraction

Learning objectives

- Recognize signs and symptoms of heart failure and preserved LVEF.
- Understand diastolic function and its relationship with hemodynamics and dyspnea.
- Review treatment options for patients with HFpEF.
- Review comorbidities and their role in HFpEF.

LVAD and Transplant

Learning objectives

- Understand historical perspectives and appropriate candidate selection for VAD and transplant.
- List appropriate therapies for stages A-D heart failure.
- Learn how to approach advanced care planning in patients with advanced heart failure.

Long-term Management of Patients with VADs

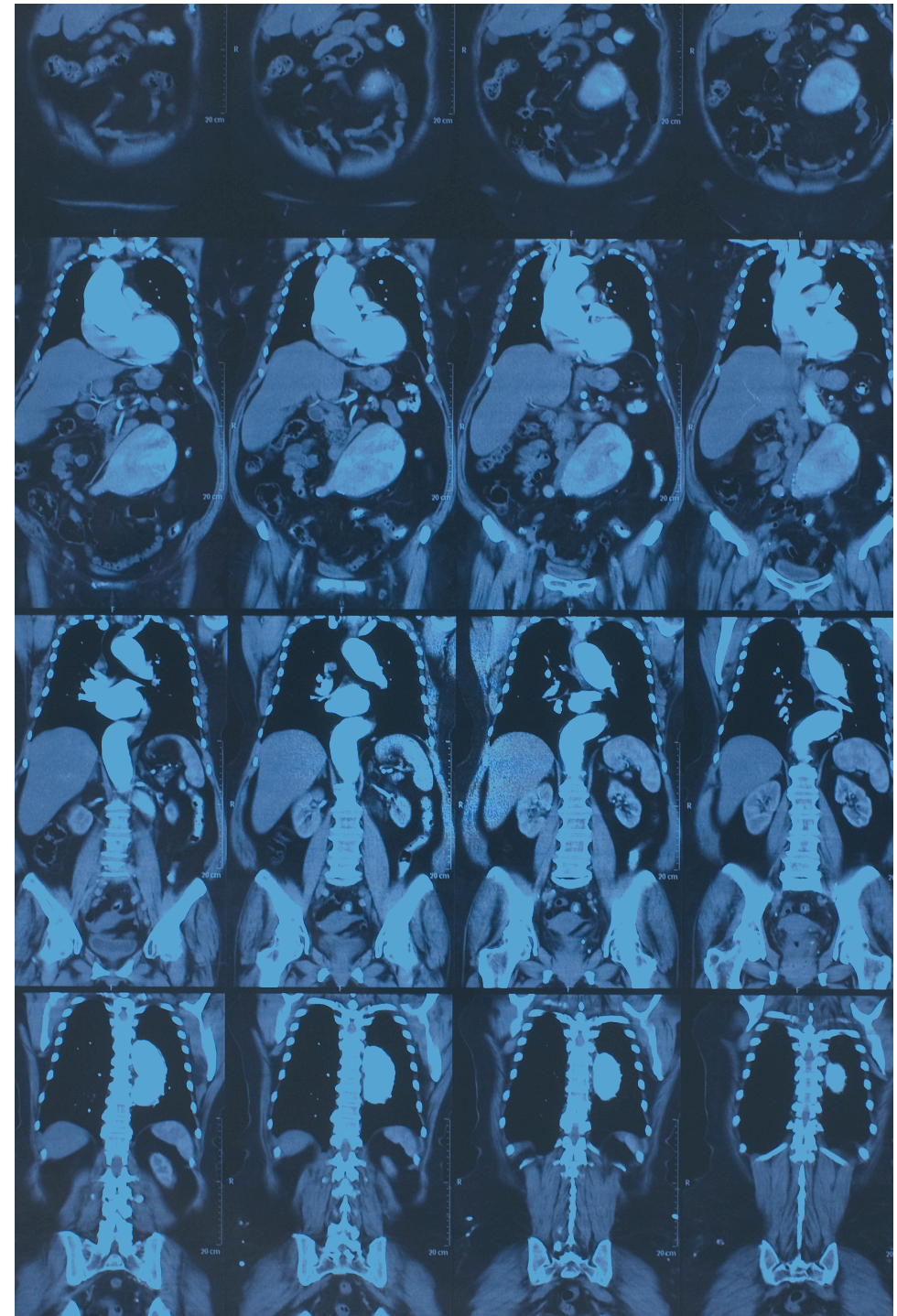
Learning objectives

- Review basic principles of patient selection for destination VAD therapy.
- Identify common complications in patients with VADs.
- Learn how to optimize long-term management in this population.

When is Heart Failure Advanced?

Learning objectives

- Recognize sentinel events in the progression of heart failure.
- Note the difference between staging heart failure and NYHA classification.
- List appropriate therapies for stage.
- Understand the role of advanced therapies in treating advanced heart failure.
- Recognize the importance of palliative care in the care of some patients with heart failure.



Maternal Cardiac Disease

Pregnancy Complications and Their Long Term Cardiovascular Impact

Learning objectives

- Explain the impact of preeclampsia and other pregnancy complications on cardiovascular health.
- Discuss strategies for prevention, screening and treatment of women at risk.

Pregnancy in Women with Heart Disease

Learning objectives

- Understand the pathophysiology of pregnancy and how it impacts the heart.
 - Recognize high-risk pregnancy lesions.
 - Understand pregnancy management of women with heart disease.
-

Other Vascular Disease

Management of Carotid Artery Disease

Learning objectives

- Review diagnosis and management of asymptomatic and symptomatic carotid artery disease.
- Discuss evidence for intervention of asymptomatic versus symptomatic carotid artery disease.
- Discuss endovascular and open surgical management of carotid bifurcation disease to prevent future stroke and pros and cons of each approach.
- Review imaging modalities for carotid artery disease and stroke.
- Discuss optimal medical management of carotid artery disease.

Diabetic Foot Wounds

Learning objectives

- Understand the mortality and morbidity for diabetic foot ulcer/infection.
- Recognize costs (quality of life and financial) associated with diabetic foot ulcer/infection.
- Understand the team approach (toe and flow model).
- Understand how to examine an infected foot.
- Understand rationale of osteomyelitis antibiotic use and timing.
- Discuss prevention tools for diabetic foot ulcers.

Management of Varicose Veins and Spider Veins

Learning objectives

- Understand the initial workup for patient with varicose veins or spider veins.
- Understand the ultrasound imaging tests to evaluate veins.
- Review classification of venous disease.
- Understand the medical management of varicose veins.
- Review procedural and surgical options for varicose and spider veins.

Management of Superficial and Deep Venous Thrombosis

Learning objectives

- Define superficial vein thrombosis (SVT) and deep vein thrombosis (DVT).
- Identify the signs and symptoms of venous thrombosis.
- Understand the imaging modalities used to evaluate venous thrombosis.
- Review anticoagulation therapy and medical management of venous thrombosis.
- Review surgical options and its limitations for venous disease.
- Review the short and long term complications of venous thrombosis.

Wound Care for the Primary Care Provider

Learning objectives

- Review phases of wound healing.
- Review principles of wound management and healing.
- Identify major risk factors to nonhealing.
- Discuss chronic wound development and treatment.
- Understand the initial work-up for patient with wounds.
- Review indications for referral to wound care clinic.

Surgical and Endovascular Management of Lower Extremity Peripheral Arterial Disease (PAD)

Learning objectives

- Understand the presentation and diagnosis of PAD.
- Understand medical management and risk reduction in PAD.
- Understand options, advantages and disadvantages of open and endovascular treatment.

Upper Extremity Vascular Disease

Learning objectives

- Understand the different etiologies of upper extremity vascular disease.
- Understand the diagnostic workup of upper extremity vascular disease.
- Understand treatment options for upper extremity vascular disease.

Lower Extremity Venous Disease

Learning objectives

- Understand diagnosis and treatment of venous thrombosis.
- Understand the diagnosis and treatment of lower extremity venous insufficiency.
- Understand treatment options for varicose veins.

Contemporary Management of Cerebrovascular Disease

Learning objectives

- Understand the presentation and diagnosis of cerebrovascular disease.
- Understand indications and options for medical and surgical management.
- Understand current comparative literature on treatment options, including carotid stenting and endarterectomy.

Thoracic Outlet Syndrome

Learning objectives

- Understand the presentation, diagnosis and treatment of arterial TOS.
- Understand the presentation, diagnosis and treatment of venous TOS.
- Understand the presentation, diagnosis and treatment of neurogenic TOS.

Mesenteric Vascular Disease

Learning objectives

- Understand differences in presentation and diagnosis of acute and chronic mesenteric ischemia.
- Understand surgical and endovascular treatment options for acute mesenteric ischemia.
- Understand surgical and endovascular treatment options for chronic mesenteric ischemia.

Benefits of an Outpatient Wound Care Center

Learning objectives

- To outline the demographics of wounds and wound care.
- To provide evidence as to the benefits of a specialized wound care center.
- To enhance the understanding of hyperbaric oxygen therapy.

Modern Treatment of Venous Stasis Ulcers

Learning objectives

- To understand the pathophysiology of venous ulcers.
- To determine the optimal algorithm for modern venous ulcer care.
- To translate clinical research into evidence based guidelines.

Connective Tissue Aortopathy and Peripheral Vasculopathy

Learning objectives

- Understand the diagnosis of common syndrome involving genetically triggered aortopathy.
- Describe clinical and radiological surveillance and indications for treatment.

Preventive Cardiology

Lp(a) and Other Non-traditional CAD Risk Factors

Learning objectives

- Understand the dual role (pro-atherogenic, pro-thrombotic) Lp(a) plays in plaque formation.
- Understand regulation of Lp(a) levels in health and disease and the challenges to accurately measure.
- Know when to measure and how to place in context of traditional and non-traditional CAD risk factors when advising therapy.

Hypertriglyceridemia: Work up and Treatment

Learning objectives

- Understand the basic physiology of triglyceride production and processing in lipid particles, as well as primary and secondary medical contributors to blood levels.
- Understand the role of apolipoprotein B and non-HDL to ASCVD risk in patients with hypertriglyceridemia.
- Formulate a lifestyle and medical treatment approach to patients with hypertriglyceridemia to reduce ASCVD and chylomicronemia risk.

The Landscape of Lipid Guidelines

Learning objectives

- Provide a historical context for national cholesterol treatment guideline development.
- Review the key features of the new guidelines.
- Highlight the controversies surrounding the new guidelines.

Managing Complex Lipid Patterns: A Case-Based Approach

Learning objectives

- Review national guidelines for evaluation and management of hypercholesterolemia.
- Explore results of recent clinical trials of lipid-modifying therapy.
- Appreciate the importance of the appropriate integration of novel biomarkers.

Central Obesity and Metabolic Syndrome

Learning objectives

- Understand the role of central obesity (CO) in the expressions of insulin and dyslipidemia.
- Define metabolic syndrome and its risk for CVD.
- Know lifestyle and medical management of CO and dyslipidemia.

Medical/Surgical management of Obesity

Learning objectives

- Understand the regulation of body weight in the expression of obesity.
- Know the common medications and medical conditions that lead to weight gain.
- Know the role of medical/surgical management of the obese patient.

Secondary Dyslipidemias

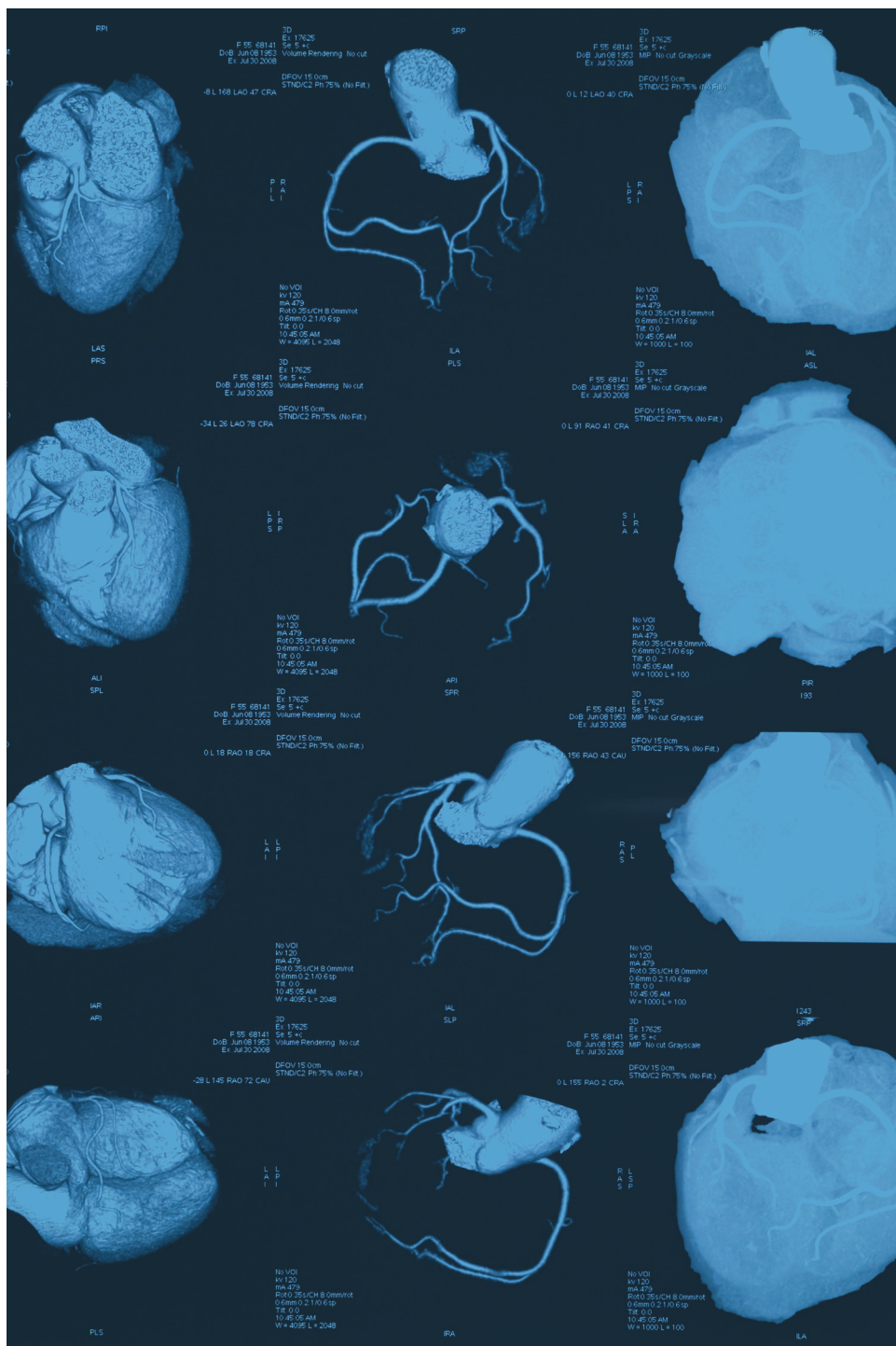
Learning objectives

- Discuss the common causes of acquired dyslipidemia and the approaches to management through control of the primary causes or via use of lipid-lowering drugs.

Common Forms of Inherited Dyslipidemias

Learning objectives

- Discuss the most common forms of inherited lipid disorders and the practical approach to diagnosis and management.



Practical Use of Lipid Modulators

Learning objectives

- Review all FDA-approved medications for lipid control and their current value, based on guidelines and clinical trial data.

Management of the Statin-Intolerant Patient

Learning objectives

- Discuss definition and prevalence of statin intolerance and review statin-free management strategies.

Pediatric Dyslipidemias

Learning objectives

- Discuss the common presentation of lipid problems in children, simple diagnostic approaches, practical management strategies and implications for family interventions.

Diabetes and Cardiovascular Disease

Learning objectives

- Identify the impact of glycemic control on cardiovascular risk.
- Identify the components of diabetic dyslipidemia and their contribution to acute pancreatitis and cardiovascular risk.
- Identify the role of small vessel and diastolic dysfunction in cardiac outcomes in patients with diabetes.
- Learn how to reduce cardiovascular risk by tailoring treatment plans in patients with diabetes and metabolic syndrome.

Dietary Interventions and Cardiovascular Disease

Learning objectives

- Understand health benefits and risks of popular diet trends.
- Review the nuts and bolts of healthy eating.

Noninvasive Imaging for CAD Assessment: The OHSU Experience

Learning objectives

- Evaluate the various options for noninvasive assessment of CAD.
- Outline clinical pathways currently in use at OHSU.
- Review recent research pertaining to the use of noninvasive imaging for ischemia.

PCSK9 Inhibitors: When and How

Learning objectives

- Describe the data supporting the use of PCSK9 inhibitors.
- Understand the optimal use of these drugs in current practice.
- Discuss challenges in the use of PCSK9 inhibitors in the current healthcare environment.

Nutrition for Cardiovascular Disease: Facts, Fiction and Practical Strategies

Learning objectives

- Discuss common nutrition-related misconceptions.
 - Examine current fad diets and their cardiovascular implications.
 - Provide evidence-based nutrition recommendations to patients for cardiovascular risk reduction.
-

Valvular Heart Disease

Current Approaches to Complex Valve Issues

Learning objectives

- Understand the screening, evaluation, risk stratification and selection of high-risk heart valve patients.
- Gain an understanding of the minimally invasive and transcatheter procedures for the treatment of valvular heart disease, including TAVR, mitral-clip and tricuspid valve therapies.

Minimally Invasive Surgery for Mitral Valve Disease: What Are the Options?

Learning objectives

- Understand diagnose and management options for mitral valve disorders.
- List the options for minimally invasive mitral valve repair, including minimally invasive surgical and interventional approaches.

New Percutaneous Treatment Options for Valvular Heart Disease

Learning objectives

- Recognize patients with significant valvular disease.
- Review the risks and benefits of surgical and transcatheter therapies.
- Learn to appropriately triage patients to medical therapy and surgical or transcatheter treatments.

Antiplatelet and Anti-Thrombotic Therapy Post-Cardiac Devices

Learning objectives

- Identify emerging indications for new cardiac devices.
 - Learn indications, protocols and duration of anti-platelet and anti-thrombotic therapy.
-

Other topics are possible depending on speaker.



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OHSU accepts most major health plans.
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