20th Annual
Intensive Review of Cardiology
Comprehensive Update and Advances
August 17-21, 2019
InterContinental Hotel and Conference Center
Cleveland, OH

Register Today!
ccfcm.org/CardioReview19
Dear Colleague,

You are expressly invited to attend the 20th Annual Intensive Review of Cardiology: Comprehensive Update and Advances, August 17-21, 2019 at the InterContinental Hotel and Bank of America Conference Center on the Cleveland Clinic main campus in Cleveland, Ohio.

This educational activity continues to be a wonderful forum to critically review current thinking and management of all major cardiovascular disciplines. The focus will be on the delivery of contemporary medicine, including complex patient management and decision-making for practicing cardiologists. Cardiovascular board certification and recertification examination candidates may also find this review useful.

Attendees will be able to earn ABIM Maintenance of Certification points as part of full course registration.

You will find this symposium to be fun, clinically relevant, and stimulating. Get engaged in integrated audience interaction with reviews of cases, images, and relevant data during the lectures.

The comprehensive four-and a half day program will be memorable. On Saturday, Learning from the Experts: A Case Based Program Addressing Challenging Clinical Issues will be featured. The review will highlight clinical evaluation and management of the patient encountered in daily practice. An update of current ACC/AHA guidelines that support treatment and management recommendations, as well as a review of controversies and dilemmas, will answer any questions you may have.

Many other important topics and cases will be included. The Conference Center has exceptional amenities to enhance learning and comfort. As codirectors, we truly hope you will be able to join us in August for this exciting and memorable educational activity that impacts your clinical decision making.

Sincerely,

Samir Kapadia, MD, FACC
Venu Menon, MD, FACC

Who should attend?
Practicing cardiologists and cardiology fellows, physician assistants, nurses, advanced practice nurses, and mid-level practitioners seeking a comprehensive review of contemporary cardiovascular medicine will benefit from this symposium.

Intensive Review of Cardiology will help you:
- Discuss the challenging clinical issues surrounding multimodality imaging, adult congenital heart disease, heart failure, and coronary interventions
- Review the key advances in cardiac electrophysiology, including supraventricular arrhythmias, atrial fibrillation, and complex tachycardia, and describe their implications for clinical care
- Provide a clinical update on technical developments in cardiac pacing, resynchronization, and lead management
- Summarize the best use of cardiac imaging to diagnose and manage various cardiac conditions, including tetralogy of Fallot, aortic stenosis, and mitral valve regurgitation
- Debate the clinical issues regarding coronary artery bypass grafting, percutaneous coronary intervention, or medical therapy to treat patients with stable angina
- Present safety and efficacy data on antiplatelet and antithrombotic agents and describe their implications for clinical care
- Provide a clinical practice update on management strategies for patients with heart failure, including those with either reduced and preserved ejection fraction, refractory hypertension, pulmonary hypertension, and acute decompensated heart failure

Co-directors
Samir Kapadia, MD, FACC
Section Head, Interventional Cardiology
Director, Cardiac Catheterization Laboratories
Director, Interventional Cardiology Fellowship
Department of Cardiovascular Medicine
Heart and Vascular Institute
Cleveland Clinic

Venu Menon, MD, FACC
Director, Coronary Care Unit
Director, Cardiovascular Fellowship
Department of Cardiovascular Medicine
Heart and Vascular Institute
Cleveland Clinic

Lectures presented by Cleveland Clinic Professional Staff
### Saturday, August 17, 2019

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:00 am</td>
<td>Registration and Light Lunch/Exhibits</td>
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<tr>
<td>11:50 am – 4:15 pm</td>
<td>General Session</td>
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<td><strong>Learning from the Experts: A Case Based Program Addressing Challenging Clinical Issues</strong></td>
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<td>Structural Intervention: Cases That Highlight Anatomical Challenges and Novel Solutions</td>
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<td>Challenging Cases from Multimodality Imaging: Utilizing Imaging to Guide Clinical Decisions</td>
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<td>Preventing Sudden Cardiac Death: When the Surface EKG Provided the Clue</td>
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<td>Challenging Cases in Dyslipidemia</td>
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<td>Interesting Cases in CICU: I Have Not Seen That One Before!</td>
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<td>Interventions in Adult Congenital Heart Disease: Clinical Vignettes</td>
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<td>Clinical Pearls in Heart Failure: A Case Based Approach</td>
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<td>Coronary Interventions that Kept Me Awake at Night</td>
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### Sunday, August 18, 2019

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<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Registration/Continental Breakfast/Exhibits</td>
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<tr>
<td>7:50 am</td>
<td>Introduction</td>
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<td>8:00 am – 5:00 pm</td>
<td>General Session</td>
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<td><strong>Supraventricular Arrhythmias</strong></td>
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<td>Expert Approach to Supraventricular Tachycardia</td>
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<td>Ventricular Pre-excitation / WPW: A Systematic Approach</td>
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<td><strong>Atrial Fibrillation</strong></td>
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<td>Updates on Ablation for Atrial Fibrillation</td>
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<td>Medical and Device-based Stroke Prevention in AF: Indications and Options</td>
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<td><strong>Wide Complex Tachycardia</strong></td>
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<td>Systematic Diagnostic Approach to Wide Complex Tachycardias</td>
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<td>PVCs and Ventricular Tachycardia: Assessment and Clinical Management</td>
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<td><strong>Syncope, Sudden Cardiac Death, and Genetic Arrhythmia Syndromes</strong></td>
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<td>Syncope and POTS: Overview and Perspectives</td>
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<td>Genetic Arrhythmia Syndromes and Channelopathies</td>
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<td>Sudden Cardiac Death and Defibrillators: A Practical Approach</td>
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<td><strong>Cardiac Pacing, Resynchronization, and Lead Management</strong></td>
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<td>Pacemakers: From Basics to Advanced Features and Monitoring</td>
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<td>Cardiac Resynchronization and his Bundle Pacing</td>
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<td><strong>State-of-the-Art Update</strong></td>
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<td>The Year in Cardiac Electrophysiology: Top Advances and New Frontiers</td>
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<td>An Expert Update on Lead Management and Device Infection: Extraction and Evolving Concepts</td>
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Monday, August 19, 2019

6:30 am – 7:00 am Registration/Continental Breakfast/Exhibits

General Session

Interventional Cardiology

• Learning with the Experts: Practical ECG Review
• Antiplatelet and Antithrombotic Agents – What Do You Need to Know in 2020
• CABG or PCI or Medical Therapy in Stable Angina
• STEMI Management: State-of-the-Art
• Evidence-based Management of Unstable Angina and NSTEMI
• Long term Outcomes and Management of Patients with DES
• Multimodality Imaging for CAD – CTA, CT-FFR, Ca Score and More
• Acute Management of Patients Presenting with Cardiac Arrest
• TAVR – The Journey to Low Risk
• Perspective on Percutaneous Mitral and Tricuspid Interventions

• Lower Extremity PAD – Current Status and Controversies in 2019
• Chronic Total Occlusion Interventions – When, Why, How
• Utility of PFO Closure and LAA Occlusion in Stroke Prevention
• Coronary Imaging and Functional Assessment in Catheterization Lab
• Expanding Indications for TAVR
• Bifurcation Stenting: Challenges and Solutions
• Supported PCI – When is it Indicated and How do I do it?
• Cardiogenic Shock: Can We Improve Current Outcomes?
• Interesting Angiograms

Tuesday, August 20, 2019

7:00 am – 8:00 am Registration/Continental Breakfast/Exhibits

8:00 am – 6:00 pm General Session

Imaging

• Follow up of Patients with Tetralogy of Fallot
• Aortic Stenosis – Diagnosis and Management: From Asymptomatic to Low Gradient AS
• Degenerative Mitral Regurgitation – Diagnosis and Management
• Functional Mitral Regurgitation: Lessons Learned from the Mitra Clip
• When and How Should Tricuspid Regurgitation be Assessed
• Prosthetic Valve Dysfunction
• Management of Infective Endocarditis: When do I use Drugs and When do I need Steel?
• Timing of Intervention in Congenital Heart Disease
• Aortic Aneurysms – Diagnosis and Management Guidelines

• Spotting the Zebras: Rare but Classic Echo Findings
• Aortic Regurgitation: Quantification and Timing of Surgery
• Restriction and Constriction – Expert Approach
• HOCM – Indications for Surgery and Risk Stratification for Sudden Cardiac Death
• Sports Cardiology: Is it Normal Physiology or Maladaptation?
• Use of Echo to Assess Hemodynamics
• Utility of PET and Flow Quantification in CAD
• Role of Cardiac MRI in Current Clinical Practice
• Interesting Echocardiograms

Wednesday, August 21, 2019

7:00 am – 8:00 am Registration/Continental Breakfast/Exhibits

8:00 am – 4:45 pm General Session

Heart Failure and Clinical Cardiology

• Heart Failure with Reduced Ejection Fraction Update
• Heart Failure with Preserved Ejection Fraction, What We Know in 2019
• What Defines Advanced Heart Failure and When Should I Refer My Patient to a Specialty Center?
• End Stage Heart Failure- Left Ventricular Assist Device or Heart Transplant?
• Pulmonary Hypertension Update
• Cardiac Amyloidosis Update: From Bench to Bedside
• Acute Decompensated Heart Failure, Goals of Care, and Lessons Learned
• Hemodynamic Monitoring Update
• Role of the Microbiome in Atherosclerosis: Targeting a Novel Pathway

• Role of the PERT Team in Clinical Practice
• Diagnosis and Management of Heparin Induced Thrombocytopenia
• Fibromuscular Dysplasia – Insights into Diagnosis and Management
• Treating Recurrent Pericarditis: Have We Found the Magic Potion?
• Management of Refractory Hypertension
• Cardio Oncology: How Can We Improve Patient Outcomes?
• Stress Induced Cardiomyopathy: Solutions for a Broken Heart
• Role of Lp(a) in CAD: Is This a Novel Target?
• Role of High Sensitivity Troponin in Clinical Decision Making

A five-minute question and answer period is included in each speakers allotted time.

*Topics subject to change.
General Information

Location
InterContinental Hotel and Bank of America Conference Center
9801 Carnegie Avenue
Cleveland, OH 44106
Phone: 216.707.4100 or 877.707.8999

Hotel Accommodations
A limited block of rooms has been reserved at the InterContinental Hotel until 5:00 pm ET, July 26, 2019. To make your reservation, contact the Hotel Reservations Department at 216.707.4100 or 855-765-8709 and identify yourself as being with the Intensive Review of Cardiology Symposium (reservation code XCT) for the special rate of $191 single/double plus tax.

Parking
Parking is available in the East 100th Street Visitor’s Parking Garage at prevailing rates. Parking is available at the hotel for an additional charge.

Information
For further information about this activity, Faculty Disclosure, and Americans with Disabilities Act, visit the Cleveland Clinic Center for Continuing Education Website: ccfcme.org/CardioReview19
Local: 216.444.9990

Accreditation
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 38.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

American Board of Internal Medicine MOC
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 38.5 MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. MOC is available for full course registration only.

Other Health Care Professionals
A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Register Online at
www.ccfcme.org/CardioReview19

Fee includes: Continental breakfasts, refreshment breaks, lunches, and post faculty PowerPoint presentations in PDF format, available online.

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<tr>
<td>Physician</td>
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*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full fee will be charged.

Group Discount Available
Groups of 3 or more from the same office/institution will receive a $100 discount off the full registration fee.Registrants must call 216.448.8710 to receive a promotional code for special pricing.
Visit www.ccfcme.org/CardioReview19 for complete registration information.

Registration and Cancellation
Preregistrations are accepted until 2:00 pm ET, August 15, 2019. Register on site after this date.
In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by July 22, 2019. After July 22, 2019, a $125 cancellation fee will be deducted from your refund. No refunds will be issued after August 2, 2019.
For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.

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| Physician | $1,125
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