



**2019**

**WVU** Heart & Vascular  
Institute

## Advances in Cardiovascular Medicine Conference

**November 2-3**

**Marriott at Waterfront Place**  
Morgantown, West Virginia

Second Annual Conference

**REGISTRATION**  
**+ INFORMATION**

**WVU** [Medicine.org/info/advances](http://Medicine.org/info/advances)



# 2019

**WVU** Heart & Vascular  
Institute

## Advances in Cardiovascular Medicine Conference



### COURSE DIRECTOR

**Partho Sengupta** MD, MBBS, FACC, FASE

Section Chief, Abnash C. Jain Chair, and Professor, Cardiology; Director, Cardiac Imaging; Chair, Cardiovascular Innovation; Professor of Medicine, WVU School of Medicine



### COURSE CO-DIRECTOR

**Vinay Badhwar** MD, FACS, FACC

Executive Chair, WVU Heart and Vascular Institute  
Gordon F. Murray Professor and Chair, Department of Cardiovascular and Thoracic Surgery, WVU School of Medicine

### COURSE CREDITS

**CME: 12 | NURSING: 14.5**

# TOPICS WITH CASE- BASED PANEL DISCUSSIONS, INCLUDING

mHealth and AI

Coils, Plugs, and Devices

Advanced Heart Failure

Cardiogenic Shock

Complex High Risk PCI

Personalized vs. Guideline-  
Based Medicine

Screening for Coronary  
Atherosclerosis

CMR Stress Perfusion and  
Viability Assessments

Coronary Computed Tomography –  
Fractional Flow Reserve

Asymptomatic Valvular  
Heart Disease

TAVR and Mitral Valve  
Interventions

Pulmonary Hypertension

HIS Bundle Pacing

Atrial Fibrillation

Endocarditis

VT Ablation

## COURSE OVERVIEW

The WVU Heart and Vascular Institute is proud to host the second annual Advances in Cardiovascular Medicine conference presented by national leaders.

This conference has been designed for physicians who have interest in cardiovascular medicine, including specialists in interventional cardiology, cardiovascular surgery, advanced heart failure, electrophysiology, and imaging diagnostics, as well as fellows, residents, nurses, and other healthcare professionals interested in cardiology-related diseases and treatments.

During the two-day event, there will be keynote presentations followed by case presentations and panel discussions. The focus will be on integrating multidisciplinary teams for optimizing patient-centered therapies. The schedule provides opportunities to meet with exhibiting vendors and research groups that are helping provide improved treatment options. The course also features networking opportunities, including a technology exhibit, where the latest diagnostic algorithms and therapies will be displayed.

# COURSE INFORMATION

## Registration

Please visit the event website at:  
[WVUMedicine.org/info/advances](http://WVUMedicine.org/info/advances).

## Target Audience

Cardiovascular professionals, faculty, residents, medical students, nurses, and community providers

## Learning Objectives

By attending the conference, participants should be able to:

- Compare contemporary diagnostic methods in cardiology, including mobile health solutions

- Compare and contrast the benefits of non-surgical management with surgical management of complex coronary artery disease

- Discuss the medical management of heart failure and identify advanced treatments

- Recognize expanding indications for structural heart interventions with real-world case illustrations

- Discuss guidelines and advances in cardiac ablation and HIS bundle pacing

## Accreditation and Designation

The West Virginia University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The WVU Office of CME designates this live activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This continuing education activity has been provided by the West Virginia University School of Nursing for 14.5 contact hours. The West Virginia University School of Nursing is an approved provider of continuing education by the State of West Virginia Board of Examiners for Registered Professional Nurses, Legislature Rule §19CSR11-4 under provider number WV1996-0120RN.

## Cancellations

**Important:** If you are unable to attend the conference after you have registered, you must notify us in writing by **October 18, 2019**, to receive a refund. No refunds for conference fees will be made after **October 18, 2019**. A \$25 fee will be charged for all cancelled registrations.

We reserve the right to cancel individual sessions or the entire conference. In the event of a conference cancellation, a full tuition refund will be made.

## Additional Information

For questions or for more information prior to or during the conference, please contact Renee Hill at **304-598-4889**.

For information on other upcoming CE conferences, contact the Office of CE at **304-293-3937**, visit our website at [ce.wvu.edu](http://ce.wvu.edu), or e-mail us at [ce@wvu.edu](mailto:ce@wvu.edu).

In case of emergency during the conference, please call Renee Hill at **304-598-4889**.

## Disclosure

It is the policy of the WVU School of Medicine Office of CME to ensure balance, independence, objectivity, and scientific rigor in all its educational activities. All faculty/authors/planners participating in our programs are expected to disclose any relevant relationships they may have with commercial companies.

Any relevant relationships, along with the educational content of this program, will be reviewed, and any potential conflicts of interest will be resolved to the satisfaction of the WVU School of Medicine Office of CME prior to the activity. If a conflict cannot be resolved, the person involved will be removed from control of content or the content will not be presented as part of the educational program.

Please refer to our website for an updated Disclosure listing at [WVUMedicine.org/info/advances](http://WVUMedicine.org/info/advances).

## Special Thanks

Special thanks to our exhibitors for their support of this conference.

# INVITED FACULTY



## **Blase Carabello** MD

Professor and Chief, Division of Cardiology  
Brody School of Medicine



## **Dipti Itchhaporia** MD, FACC, FESC

Eric & Sheila Samson Endowed Chair in Cardiovascular Health;  
Director of Disease Management, Hoag Memorial Hospital Presbyterian,  
Newport Beach, CA; Associate Clinical Professor, University of California, Irvine;  
Vice President-Elect, American College of Cardiology;  
Co-Chair, ACC International Conference, Middle East



## **Kreton Mavromatis** MD

Distinguished Physician, Emory University School of Medicine;  
Associate Professor, Emory University Department of Medicine;  
Clinical Adjunct Assistant Professor, Morehouse University School of Medicine



## **David S. Schwartzman** MD, FHRS

Director, Cardiac Electrophysiology  
Butler Health System



## **Renu Virmani** MD, FACC

President, CVPPath Institute;  
Professor, Department of Pathology at Georgetown University;  
University of Maryland-Baltimore; George Washington University;  
and Vanderbilt University

# WVU MEDICINE FACULTY



**Abbas S. Ali** MD, MS, FACC  
Assistant Professor, Cardiology



**Ramesh Daggubati** MD  
Professor,  
Interventional Cardiology



**Sudarshan Balla** MD  
Assistant Professor, Cardiology



**Nina Guzek** APRN, FNP-BC  
Cardiology



**Chalak Berzingi** MD, FACC, FSCAI  
Associate Professor, Cardiology



**Yasmin Hamirani** MD  
Assistant Professor, Cardiology



**Christopher Bianco** DO  
Assistant Professor, Heart Failure



**Madhavi Kadiyala** MD  
Assistant Professor, Cardiology



**Mike Campsey** MD  
Assistant Professor,  
Interventional Cardiology



**John Lobban** MD  
Assistant Professor,  
Electrophysiology



**Chris Cook** MD  
Associate Professor,  
Cardiac Surgery



**Jim Mills** MD  
Associate Professor, Cardiology





**Jason Moreland MD**

Assistant Professor,  
Interventional Cardiology



**George Sokos DO**

Associate Professor, Heart Failure



**Brijesh Patel DO**

Assistant Professor, Cardiology



**David Tingler MD**

Assistant Professor, Cardiology



**Bryan Raybuck MD**

Assistant Professor,  
Interventional Cardiology



**Dean E. Wolz MD, FACC**

Assistant Professor, Cardiology



**Muhammad Salman MD**

Assistant Professor,  
Cardiac Surgery



**Irfan Zeb MD**

Assistant Professor,  
Cardiology



**Stanley B. Schmidt MD, FACC**

Professor, Electrophysiology



**Don Siddoway MD**

Assistant Professor,  
Electrophysiology



# AGENDA

## SATURDAY

### 11.02.19

7 AM

Registration and breakfast

8 AM

Opening remarks, acknowledgements, and announcements

Dr. Partho Sengupta and Dr. Vinay Badhwar

8:10 AM

Opening keynote: The emerging world of cardiology: The national ACC update

Speaker: Dr. Dipti Itchhaporia

8:35 AM

Panel discussion on the future of cardiology in US

Panelists: Dr. Blase Carabello, Dr. Dipti Itchhaporia, Dr. Partho Sengupta, and Dr. Vinay Badhwar

8:45-10:30 AM

The hibernating black bear awakens: Viability and chronic total occlusions

Moderators: Dr. Jim Mills and Dr. Jason Moreland

8:45-9:45 AM

Case-based reviews

8:45 AM

Sensitive: PET viability – Uptake for life

Speaker: Dr. Yasmin Hamirani

9 AM

CMR: Stress perfusion

Speaker: Dr. Madhavi Kadiyala

9:15 AM

In between: Cardiac MR - Late enhancement is key

Speaker: Dr. Sudarshan Balla

9:30 AM

Planning revascularization: Role of CT coronary angiography

Speaker: Dr. Irfan Zeb

9:45-10:30 AM

Debate: Should chronic total occlusions be revascularized?

9:45 AM

Pro: Dr. Kreton Mavromatis

10 AM

Con: Dr. Jim Mills

10:15 AM

Rebuttal and discussions

10:30-11 AM

Break, visit exhibits

11 AM-12:45 PM

Challenging interventional scenario

Moderators: Dr. Kreton Mavromatis and Dr. Mike Campsey

11 AM

Common myths of coronary artery disease and evolving therapies: A pathologist's view

Speaker: Dr. Renu Virmani

11:25 AM

The high bleeding risk patient: which stent, which drug?

Speaker: Dr. Bryan Raybuck

11:40 AM

Patient selection for protected PCI: Who benefits most?

Speaker: Dr. Jason Moreland

12-12:45 PM

Debate: Secondary mitral regurgitation should be treated with transcatheter techniques

12 PM

Pro: Dr. Vinay Badhwar

12:15 PM

Con: Dr. Kreton Mavromatis

12:30 PM

Rebuttal and discussion

12:45-1:30 PM

Lunch, visit exhibits

1:30-3:40 PM

Structural heart disease

Moderators: Dr. Partho Sengupta and Dr. Ramesh Daggubati



**1:30 PM**

Pathology of structural heart diseases-the known and unknown

Speaker: Dr. Renu Virmani

**1:50 PM**

Clinical conundrums in valvular heart disease that the guidelines do not address

Speaker: Dr. Blase Carabello

**2:10 PM**

Can we HALT aortic valve thrombosis?

Speaker: Dr. Kreton Mavromatis

**2:25 PM**

Use of digital technology for understanding valvular heart disease

Speaker: Dr. Partho Sengupta

**2:40 PM**

Conscious sedation TAVR without TEE

Speaker: Dr. Ramesh Daggubati

**3-3:40 PM**

Debate: The future of mitral therapies is percutaneous repair or replace

3 PM | Pro: Dr. Ramesh Daggubati

3:15 PM | Con: Dr. Vinay Badhwar

3:30 PM | Rebuttal and discussion

**3:40-4 PM**

Break, visit exhibits

**4-5:30 PM**

Heart failure: Challenges and opportunities

Moderators: Dr. Madhavi Kadiyala and Dr. George Sokos

**4 PM**

Heart failure in women

Speaker: Dr. Dipti Itchapoor

## **CASE-BASED DISCUSSIONS:**

**4:20 PM**

Hiding in plain sight: Cardiac amyloidosis

Speaker: Dr. Chris Bianco

**4:35 PM**

ECMO – Effectiveness vs. futility?

Speaker: Dr. George Sokos

**4:50 PM**

Should I repair the valves during LVAD implantation?

Speaker: Dr. Muhammad Salman

**5:05 PM**

Novel therapies for pulmonary hypertension

Speaker: Dr. George Sokos

**5:20 PM**

How do I innovate for overcoming heart failure readmissions?

Speaker: Dr. George Sokos

**5:45-6:30 PM**

Cocktails and appetizers, visit exhibits

# AGENDA

## SUNDAY 11.03.19

**7:30 AM** Breakfast

**8-10 AM** Stump the experts: 10 rapid fire cases from rural Appalachia

Speakers: Dr. Mike Campsey, Dr. Chalak Berzingi, Dr. Dean Wolz, Dr. Brijesh Patel, Dr. David Tingler, Dr. Abbas Ali, and Nina Guzek

Panelists: Dr. Blase Carabello, Dr. Vinay Badhwar, Dr. Ramesh Daggubati, and Dr. Partho Sengupta

**10-10:15 AM** Break, visit exhibits

**10:15-11:15 AM** Emerging concepts

**10:15 AM** Technology enabled care in rural Appalachia

Speaker: Dr. Partho Sengupta

**10:30 AM** Diagnosing early valvular heart diseases, but can we intervene?

Speaker: Dr. Blase Carabello

**10:45 AM** The endgame of the opioid crisis – the problem and solutions

Speaker: Dr. Chris Cook

**11:00 AM-12:30 PM**

Rhythm ride

Moderators: Dr. John Lobban and Dr. Stanley Schmidt

**11:00 AM**

Atrial fibrillation: Known unknowns

Speaker: Dr. David Schwartzman

**11:30 AM**

Atrial fibrillation: Surgical ablation

Speaker: Dr. Vinay Badhwar

**11:50 AM-12:30 PM**

Cases for success in EP

**11:50 PM**

Implementing CABANA, CASTLE-AF and CAPTAF in my clinical practice

Speaker: Dr. Don Siddoway

**12:05 PM**

HIS bundle pacing, leadless pacing, septal pacing, ultrasound pacing: will they replace conventional techniques?

Speaker: Dr. John Lobban

**12:20 PM**

80-year-old patient with first syncope and sinus bradycardia

Speaker: Dr. Stanley Schmidt

**12:30 PM**

Closing remarks

**12:45 PM**

Adjourn - Boxed lunches to go

## WVU MEDICINE

WVU Medicine unites the clinical and research faculty of the West Virginia University Health Sciences Center with the hospitals, clinics, and health professionals of the West Virginia University Health System. Together, they are a national leader in patient safety and quality, and are unified and driven by a passion to provide the most advanced healthcare possible to the people of West Virginia and beyond. WVU Medicine includes the physicians, specialists, and sub-specialists of the West Virginia University School of Medicine; the affiliated schools of the WVU Health Sciences Center; 10 system member hospitals, six managed hospitals, and two affiliate hospitals; and a children's hospital, all anchored by a 690-bed academic medical center that offers tertiary and quaternary care.

## WVU HEART AND VASCULAR INSTITUTE

Led by Vinay Badhwar, MD, FACS, FACC, and some of the most respected cardiac surgeons, cardiologists, interventional radiologists, cardiac electrophysiologists, and vascular surgeons, the heart and vascular programs of West Virginia University and WVU Medicine are among the best in the United States. Considered national experts in their field, our physicians are an integrated team that works closely together to bring state-of-the-art therapies to patients from West Virginia and the surrounding region.

## MORGANTOWN MARRIOTT AT WATERFRONT PLACE

2 Waterfront Place Morgantown, West Virginia 26501  
**Phone:** 304-296-1700

**Cut-off Date: Friday, October 18,** is the last day to book under the group block and receive the discounted group rate. Any rooms reserved after this date will be subjected to hotel's best available rate.

## LEARN MORE:

[WVUMedicine.org/info/advances](http://WVUMedicine.org/info/advances)

## MORGANTOWN, WV

WVU Medicine is headquartered in Morgantown, West Virginia, a vibrant city located along the Monongahela River and close to the Pennsylvania border in the north central part of the state. The seat of Monongalia County and the home of West Virginia University, Morgantown has been voted Best Small City by numerous national organizations. With excellent schools, diverse restaurants, and outdoor activities, Morgantown is one of the major growth areas in West Virginia.

### Quick Facts:

30,666 permanent residents

Additional 28,766 full-time West Virginia University students

Vibrant, diverse college town atmosphere

Ranked 18th best college town by *Business Insider*

Named best small city in the East by *Rating Guide to Life in America's Small Cities*

Ranked number 1 dream town in the country by **bizjournals.com**

### Points of Interest:

West Virginia University

WVU Core Arboretum

West Virginia Botanic Garden

Coopers Rock State Forest

Dorsey's Knob Park

Don Knotts Statue

**For more information, visit the Greater Morgantown Convention and Visitors Bureau at**  
[tourmorgantown.com](http://tourmorgantown.com).

