

# 2019 Appalachian Structural Heart Symposium

Friday through Sunday

**Aug. 9-11, 2019**

**Stonewall Jackson Resort  
Roanoke, WV**



## Registration

Early Bird: \$99 until July 6

Regular: \$130 after July

FREE to CAMC Employees



Register online at

***[camcinstitute.org/conference](http://camcinstitute.org/conference)***



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## Program overview and objectives

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The 2019 Appalachian Structural Heart Symposium (ASHS | 19) conference will provide a comprehensive review of current topics, treatments, and strategies for Structural Heart Disease including: transcatheter aortic valve replacement (TAVR), cardiogenic shock, imaging techniques, medications, case presentations, and poster sessions. This interdisciplinary conference is designed for physicians, pharmacists, nurses, radiologic technicians and technologists, and all interested allied health professionals. On Saturday afternoon there will be concurrent breakout sessions; one for physicians and a simultaneous program for nurses and radiologic technologists and technicians.

### Objectives:

- Provide advance guidance on imaging tools and techniques for SHD
- Advise on decision making between surgical and transcatheter therapies
- Describe current diagnostic and treatment techniques for cardiogenic shock
- Debate the merits of TandemHeart, LVAD, ECMO, CAD, PE, Mitral Clip and TAVR
- Describe strategies and treatments for mitral regurgitation
- Discuss criteria for case selections for Impella, balloon pumps, and ECMO
- Advise on strategies for complications of TAVR, mitral clip, Watchman for LAA
- Explain indications for surgery for mitral regurgitation
- Enumerate techniques to manage complications of clips, vascular plugs, and closure devices
- Describe management of HCM



# Accreditation

In support of improving patient care, CAMC Health Education and Research Institute is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



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INTERPROFESSIONAL CONTINUING EDUCATION



**Pharmacy** – The CAMC Health Education and Research Institute is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

This knowledge based activity provides 8.25 contact hours JA0006133-0000-18-030-L04-P. To receive credit, participants must complete the sign-in sheet, attend each activity in its entirety and COMPLETE THE ONLINE EVALUATION WITHIN ONE WEEK following the activity. Statements of Credit will be posted to the online NABP/ACPE CPE Monitor within six (6) weeks after the activity.

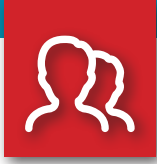
**Physicians** – The CAMC Health Education and Research Institute designates this live activity for a maximum of 8.25 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurses** – The CAMC Health Education and Research Institute is an accredited approver by the American Nurses Credentialing Centers Commission on Accreditation.

This offering has been approved for 8.25 contact hours. (JA00026-20-18-325) Expiration date is 2 years from the course dates.

**Radiologic Technologists** – Credit is pending with The American Society of Radiologic Technologists (ASRT) (WVD0036001 Cat. A).

**Ultrasonographers** – Credit is pending with the American Registry of Radiologic Technologists.



## Program director and faculty

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### **Conference Director**

**Aravinda Nanjundappa, MD**

Professor of Medicine

Robert C. Byrd Health Sciences Center of West Virginia University –

Charleston Campus

Charleston Area Medical Center

Charleston, WV

### Faculty: Listed alphabetically

Frank Annie, MA, MPA, PhD(c)

Chafik Assal, MD

Guillherme Attazani, MD

Vinay Badhwar, MD

Mark Bates MD

Nelson Bernardo, MD

Blase Carabello MD

Lavinia Mitulescu, MD

Marvin Eng, MD

Sarah Embrey, PharmD

Jason Foerst MD

Hemal Gada, MD

Elie Gharib, MD

Wissam Gharib MD

Kendra Grubb, MD

Maya Guglin, MD

John Gurley, MD

Bruce Lytle, MD

Steve Lewis, MD

Michael Mack, MD

Sanjay Malhotra, MD

Srinvasa Potluri, MD

Maria Romero, MD

Michael Ragosta, MD

Sarah Jane Rinehart, MD

Mark Studeny, MD

Megan Wood, DNP, APRN

Steven Yakubov, MD





## Agenda – Day 1 / Friday, Aug. 9

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### AFTERNOON SESSIONS

- 2:30 p.m.      **Registration and Exhibits**
- 3:00 p.m.      Opening Remarks - Cardiogenic shock basics
- 3:15 p.m.      **DEBATE: Early recognition of cardiogenic shock is important to outcomes**  
John Gurley, MD
- 3:30 p.m.      **Cardiogenic shock needs early ventricular support and ship to an advanced center to reduce mortality**  
Maya Guglin, MD
- 3:45 p.m.      **Cardiogenic shock needs Impella at the least and no role for balloon pump**  
Wissam Gharib, MD
- 4:00 p.m.      **Cardiogenic shock with AMI: Unload first – Is there data or does it need more research?**  
Marvin Eng, MD
- 4:15 p.m.      **Cardiogenic shock: How do I choose? Impella vs ECMO vs Tandem Heart**  
John Gurley, MD
- 4:30 p.m.      **Post Cardiac surgery role from ECMO cardiac surgeon's perspective**  
Kendra Grubb, MD
- 4:45 p.m.      **BREAK AND EXHIBITS**
- 5:00 p.m.      **Vasopressors are not good for cardiogenic shock**  
Maya Guglin, MD
- 5:15 p.m.      **Cardiogenic shock with myocardial infarction: Revascularize all or culprit vessels? Is the controversy settled?**  
Elie Gharib, MD
- 5:30 p.m.      **Cardiogenic shock interventional management needs large bore access and closure tips for operator?**  
Hemal Gada, MD
- 5:45 p.m.      **Role of emergent valve surgery for cardiogenic shock – Acute AI, Acute MR**  
Bruce Lytle, MD
- 6:00 p.m.      **Adjourn**
- 6:30-7:30 p.m. **Medical Jeopardy with Dinner**



## Agenda – Day 2 / Saturday, Aug. 10

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### MORNING SESSIONS

- 6:30 a.m.      **REGISTRATION AND EXHIBITS**
- 7:00 a.m.      **Opening remarks**
- 7:15 a.m.      **Advances in TAVR in 2019**  
Michael Mack, MD
- 7:30 a.m.      **Valvular heart disease when to refer to revascularization:  
AS, AI, MS, RR, TS, TR, PS, PR**  
Blase Carabello, MD
- 7:45 a.m.      **Is there a role for AVR in patients with aortic stenosis?**  
Bruce Lytle, MD
- 8:00 a.m.      **Valvular heart disease: A pathologist's perspective**  
Maria Romero, MD
- 8:15 a.m.      **Why TAVR in low risk patients is acceptable to me:  
A CT surgeon perspective**  
Kendra Grubb, MD
- 8:30 a.m.      **Sapien 3, Lotus, Evolut, and Portico valves:  
How do I choose the valve for my patients?**  
Srini Potluri, MD
- 8:45 a.m.      **Role of CT angiogram in structural heart intervention  
planning**  
Sarah Jane Rinehart, MD
- 9:00 a.m.      **Emerging role of ECHO cardiogram for structural  
interventions**  
Lavinia Mitulescu, MD
- 9:15 a.m.      **BREAK AND EXHIBITS**
- 9:30 a.m.      **Application of aviation experience to improve  
procedural safety in interventional procedures**  
Jerry Cockrel



## Agenda – Day 2 / Saturday, Aug. 10

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### MORNING SESSIONS — Continued

- 10:00 a.m.      **Optimal deployment of self-expanding Medtronic valve can reduce pacemaker rates**  
Hemal Gada, MD
- 10:15 a.m.      **Minimalist approach to TAVR can save money for the hospital**  
Guillherme Attazani, MD
- 10:30 a.m.      **What antiplatelet or anticoagulant therapy to choose post-TAVR**  
Sarah Embrey, PharmD
- 10:45 a.m.      **Post TAVR who gets PPM, Holter, EP study?**  
Chafik Assal, MD
- 11:00 a.m.      **Interventions for mitral valve apparatus**  
Michael Ragosta, MD

### AFTERNOON SESSIONS

#### BREAKOUT | Physicians

- 1:30 p.m.      **REGISTRATION**
- 2:00 p.m.      **DEBATE | Balloon expandable vs self-expanding valve**  
Steven Yakubov, MD | John Gurley, MD
- 2:20 p.m.      **DEBATE | Mitral Valve Disease: Mitral clip, Cardioband and Intrepid vs. minimally invasive surgery**  
Guillherme Attazani, MD | Michael Mack, MD
- 2:40 p.m.      **DEBATE | Patients with bicuspid aortic valves” TAVR vs SAVR**  
Jason Foerst, MD | Kendra Grubb, MD
- 3:00 p.m.      **DEBATE | NOAC agents vs LAA occluders for atrial fibrillation**  
Elie Gharib, MD vs. Hemal Gada, MD

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## Agenda – Day 2 / Saturday, Aug. 10

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### AFTERNOON SESSIONS — Continued

- 3:20 p.m.      **DEBATE | HCM can be treated medically vs. alcohol ablation**  
Blasé Carabello, MD | Michael Ragosta, MD
- 3:40 p.m.      **DEBATE | Minimalist approach for TAVR vs General anesthesia for TAVR**  
Guillherme Attazani, MD | Hemal Gada, MD
- 4:00 p.m.      **DEBATE | Los risk aortic stenosis needs TAVR vs. Low risk aortic stenosis, role for surgery**  
Srini Potluri, MD | Michael Mack, MD
- 4:20 p.m.      **RESEARCH PRESENTATIONS**
- 6:00 p.m.      **RIDE ON THE LITTLE SORRELL**







## Agenda – Day 3 / Sunday Aug. 11

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### MORNING BREAKOUT SESSIONS

*On Sunday morning there will be two simultaneous breakout sessions: one for Physicians; and one for Nurses and Radiologic Technicians. Registration for both sessions begins at 7:00 a.m.*

#### BREAKOUT | Physicians

- 7:00 a.m.      **REGISTRATION**
- 7:30 a.m.      **How do I perform La.m.poon procedure for TMVR**  
Jason Foerst, MD
- 7:40 a.m.      **Role of Shockwave Lithotripsy for aorto iliac lesions pre-TAVR**  
Nelson Bernardo, MD
- 7:50 a.m.      **Tips and tricks to perform watchman**  
Hemal Gada, MD
- 8:00 a.m.      **Tips and tricks to close large bore access when preclose is not performed**  
John Gurley, MD
- 8:10 a.m.      **Tips and tricks to perform transeptal puncture**  
Chafik Assal, MD
- 8:20 a.m.      **When do I close an ASD or PFO?**  
John Gurley, MD
- 8:30 a.m.      **How to perform plugs for perivalvular leaks**  
Mark Bates, MD
- 8:40 a.m.      **Vascular access complications after TAVR**  
Nelson Bernardo, MD
- 8:50 a.m.      **When do I perform BAV?**  
Sanjay Malhotra, MD
- 9:00 a.m.      **Tips and tricks to perform transcaval puncture**  
Marvin Eng, MD
- 9:10 a.m.      **Tips and tricks for valve in valve procedures: Aortic and Mitral**  
Steven Yakubov MD



## Agenda – Day 3 / Sunday Aug. 11

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### MORNING BREAKOUT SESSIONS — Continued

---simultaneous program---

#### BREAKOUT | Nursing Symposium

- 7:00 a.m.      **REGISTRATION**
- 7:30 a.m.      **Frailty check – why is it important in TAVR?**  
Blase Carabello, MD
- 7:45 a.m.      **How do we optimize TAVR outcomes: screening to early discharge**  
Megan Wood, DNP, APRN
- 8:00 a.m.      **Evidence based medicine reconciliation for TAVR at discharge**  
Sarah Embrey, PharmD
- 8:15 a.m.      **Vascular femoral and radial check post structural procedures what should nursing know?**  
Nelson Bernardo
- 8:30 a.m.      **Why is TAVR different from open surgical procedures?**  
Guillherme Attazani, MD
- 8:45 a.m.      **What do I worry about on telemetry post-TAVR?**  
Chafik Assal, MD
- 9:00 a.m.      **How is our structural heart disease data, compared to national data?**  
Frank Annie, PhD
- 9:15 a.m.      **Case review of what is done with TAVR, mitral clip and watchman**  
Steve Lewis, MD



## Location

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### Stonewall Resort, Roanoke, WV



This conference will be held at Stonewall Jackson Resort in Roanoke, WV. Situated within the 2,000-acre Stonewall Resort State Park and combining rustic grace, world-class recreation and superior hospitality, the AAA-Four Diamond rated Stonewall Resort is fast becoming the region's premier vacation and conference destination.

For additional information or reservations, contact Stonewall Resort at 1-888-278-8150, or visit the Website at

[www.StonewallResort.com](http://www.StonewallResort.com)





## Accommodations

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**A block of rooms are being held for this conference at the Stonewall Jackson Resort until Wednesday July 10, 2019.**

Rates are \$159 per room per night. Rates do not include \$15 resort fee, 12% WV State and occupancy tax or any ancillary room charges. Please note that individuals wishing to extend their stay beyond the conference date will be charged the regular rate.

Participants are responsible for making their own lodging reservations. Reservations will be accepted over the telephone (304) 269-7400 and **MUST BE RESERVED NO LATER THAN JULY 10, 2019.** Call Josh Kent 304.388.9963 for late reservations.

*If you require special accommodations and/or assistance please inform us prior to the arrival at the conference.*





## Cancellations and substitutions policy

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Registration fee refunds are guaranteed until August 1st, 2019. If you cannot attend, you may elect to send a substitute from your organization. Registration fees can be refunded up to 50% if you cancel on or before August 1st, 2019. Registration fees will not be refunded after August 1st, 2019. Please note, if you don't cancel and don't attend you are still responsible for payment. Cancellations for room reservations are subject to Stonewall Resort policies, please contact Stonewall Resort.

## Comfort zone

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Although every effort is made to have a comfortable temperature in the meeting rooms, we realize everyone's comfort zone is different. Therefore, please bring a sweater or light jacket in case the room is too cool for our comfort.

## Disclosure

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It is the policy of the CAMC Institute that any faculty (speaker) who makes a presentation at a program designated for AMA Physicians Recognition Award (PRA) Category I or II credit must disclose any financial interest or other relationship (i.e. grants, research support, consultant, honoraria) that faculty member or spouse/partner has with the manufacturer(s) of any commercial product(s) that may be discussed in the educational presentation.

Program planning committee members must also disclose any financial interest or relationship with commercial industry that may influence their participation in this conference. All faculty and planning committee members have disclosed that no relationships exist.





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