



Penn Medicine

Continuing Medical and
Interprofessional Education

LIVE VIRTUAL

PENN MEDICINE: CASE-BASED UPDATE ON VALVULAR HEART DISEASE

CME/CE-ACCREDITED SYMPOSIUM

FRIDAY, APRIL 22, 2022

7:45 AM – 12:10 PM EST

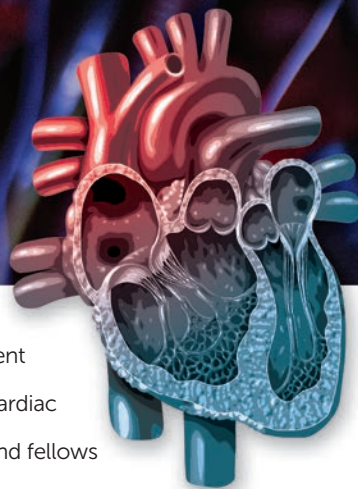
SATURDAY, APRIL 23, 2022

8:15 AM – 12:30 PM EST



<https://upenn.cloud-cme.com/valvularheartdisease2022>

PROGRAM OVERVIEW & TARGET AUDIENCE



A case-based discussion program on state of the art management of valvular heart disease. The format will involve cardiologists, cardiac surgeons, cardiac anesthesiologists, advanced care providers, and fellows in training presenting and discussing up to 10 cases that span the range of valvular heart disease.

This course has been developed to meet the educational needs of cardiovascular specialists, cardiothoracic surgeons, cardiologists, fellows, residents, students and other healthcare professionals interested in valvular heart disease.

LEARNING OBJECTIVES

At the conclusion of this educational activity, the participant should be able to:

- Identify the most appropriate treatment options for patients with valvular heart disease
- Discuss with patients the options available to them for their particular disease
- Explain which treatments are guideline-directed and which ones are investigational

HOSTING DEPARTMENT

Penn Medicine: Case-Based Update on Valvular Heart Disease is hosted by the Department of Medicine, Division of Cardiovascular Surgery.

ACCREDITATION



In support of improving patient care, Penn Medicine 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.

DESIGNATION OF CREDIT

Physicians: Penn Medicine designates this live activity for a maximum of 7.75 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*[™] from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 7.75 Category 1 credits for completing this activity.

Nurses: This program provides 7.75 contact hours.



Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with instructions and a link with instructions on how to claim their credit. Once participants submit the request for credit, the earned credits will be available for viewing on your transcript or available for printing at <https://upenn.cloud-cme.com>. Please note that the individual certificate will not be mailed.

A VIRTUAL PRESENTATION

Penn Medicine: Case-Based Update on Valvular Heart Disease will be live-streamed on Friday, April 22 and Saturday, April 23, 2022. Attendees will be required to sign into the conference using your first name, last name and email address in order to be marked as attended and receive credit.

REGISTRATION FEES

Please register online at <https://upenn.cloud-cme.com/valvularheartdisease2022>.

The fees to attend are as follows: \$50 for physicians and industry attendees, \$25 for nurse practitioners, physician assistants and other healthcare professionals. There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

All pre-registered attendees will receive an email that includes a link with instructions to sign-in and join the conference 48 hours preceding the symposium, as well as the attendee booklet (downloadable PDF). Registration also includes access to view the presentations online for one year.

Need to Register by Mail? Please note: mailed registrations can take up to 5-10 business days before they are received. We are experiencing longer delays receiving mail due to the COVID-19 pandemic. We encourage all attendees to register online. See the registration form for mailing instructions. All registrations will be confirmed by email as long as your registration is received no later than April 21, 2022.

CANCELLATION POLICY

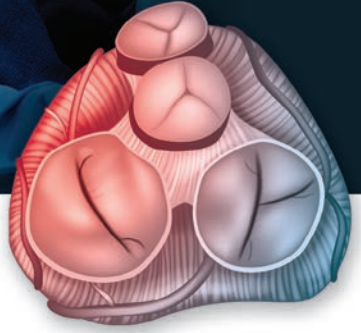
In order to process refunds for course withdrawals, cancellations must be received in writing by April 15, 2022 (subject to a service charge equivalent to 10% of the registration fee, but no less than \$25.00). No refunds will be issued thereafter.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.

NONDISCRIMINATION STATEMENT The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action.

FACULTY

With the exception of the guest faculty, the Course Directors & Faculty hold academic and/or clinical appointments from the Perelman School of Medicine at the University of Pennsylvania and Penn Medicine, Philadelphia, PA



COURSE DIRECTORS

Michael A. Acker, MD

Director, Penn Medicine Heart and Vascular Center
Chief, Division of Cardiovascular Surgery
Julian Johnson Professor of Cardiothoracic Surgery

Howard C. Herrmann, MD

Director, Interventional Cardiology
Penn Medicine
Director, Cardiac Catheterization Laboratories
Hospital of the University of Pennsylvania
John Winthrop Bryfogle Professor of Cardiovascular Diseases
Professor of Medicine in Surgery

CO-DIRECTORS – CARDIOLOGY

Gene Chang, MD

Director, Cath Lab at Penn Presbyterian Medical Center
Assistant Professor of Clinical Medicine

Robert Li, MD

Co-Director, Transcatheter Aortic Valve Replacement Program
Penn Presbyterian Medical Center
Associate Professor of Clinical Medicine

Paul Fiorilli, MD

Assistant Professor of Clinical Medicine
Co-Director, Transcatheter Aortic Valve Replacement Program
Hospital of the University of Pennsylvania

Frank Silvestry, MD

Associate Chief for Education
Cardiovascular Division
Director, Cardiovascular Disease Fellowship Program
Associate Professor of Medicine

CO-DIRECTORS – CARDIAC SURGERY

Pavan Atluri, MD

Director, Minimally Invasive and Robotic Cardiac Surgery Program
Director, Cardiac Transplantation and Mechanical Circulatory Support Program
Associate Professor of Surgery

Nimesh Desai, MD, PhD

Co-Director, Penn Aorta Center
Associate Professor of Surgery

Joseph Bavaria, MD

Vice Chief, Division of Cardiovascular Surgery
Co-Director, Penn Aorta Center
Co-Director, Transcatheter Valve Program
Brooke Roberts – William Maul Measey Professor in Surgery

GUEST FACULTY

Patrick O’Gara, MD

Director, Strategic Planning
Cardiovascular Division
Brigham and Women’s Hospital
Watkins Family Distinguished Chair in Cardiology
Professor, Harvard Medical School
Boston, MA



PENN MEDICINE FACULTY

Tiffany Chen, MD

Assistant Professor of Clinical Medicine

Melanie Freas, CRNP

Nurse Practitioner

Amy Gallagher, CRNP

Nurse Practitioner

David Goldberg, MD

Clinical Assistant Professor of Medicine

Joshua Grimm, MD

Assistant Professor of Surgery

Michael Ibrahim, MD, PhD

Assistant Professor of Surgery

Dinesh Jagasia, MD

Associate Director

Echocardiography Laboratory

Hospital of the University of Pennsylvania

Professor of Clinical Medicine

David Jones, CRNP

Nurse Practitioner

Jeremy Jordan, CRNP

Nurse Practitioner

Maureen Julien, CRNP

Nurse Practitioner

*Nurse Planner

Lisa Long, CRNP

Nurse Practitioner

Alexandria Lucia, PA-C

Physician Assistant

*PA-C planner

Ashwin Nathan, MD

Assistant Professor of Medicine

Muhammad Raza, MD, FACC

Medical Director

Structural Heart Disease Program

Chester County Hospital

Joyce Wald, DO

Director, Practice Development

Associate Director

Mechanical Circulatory Support Program

Professor of Clinical Medicine

Harvey Waxman, MD

Chief, Division of Cardiology

Penn Presbyterian Medical Center

Professor of Clinical Medicine

Steve Weiss, MD

Chief, Cardiac Surgery

Chester County Hospital

Maria C. Ziadi, MD, FASNC

Analyst, Department of Radiology

PENN MEDICINE FELLOWS

Chase Brown, MD

Jennifer Chung, MD

Todd Crawford, MD

Rim Halaby, MD

Hillary Johnston-Cox, MD

Matthew Seigerman, MD

Keerit Tauh, MD

DISCLOSURES

Penn Medicine, Office of Continuing Medical and Interprofessional Education, adheres to the *ACCME Standards for Integrity and Independence in Accredited Continuing Education*. Faculty disclosure information will be made available in the conference materials and syllabus. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.



LIVE VIRTUAL

AGENDA

FRIDAY, APRIL 22, 2022

AORTIC VALVE DISEASE

- 7:45 AM – 8:00 AM Sign into the Virtual Platform
- 8:00 AM – 8:05 AM **Opening Remarks**
Michael Acker, MD, and Howard Herrmann, MD
- 8:05 AM – 8:10 AM **Case Presentation 1: AS in Low to Intermediate Risk Patient**
Hillary Johnston-Cox, MD
- 8:10 AM – 8:55 AM **Panel Discussion**
Amy Gallagher, CRNP, David Goldberg, MD, Howard C. Herrmann, MD, David Jones, CRNP, Robert Li, MD, Muhammad Raza, MD, FACC, and Steve Weiss, MD
- 8:55 AM – 9:00 AM **Wrap-up: State of TAVR at Penn Medicine**
Howard Herrmann, MD
- 9:00 AM – 9:05 AM **Case Presentation 2: Bicuspid AV in a Young Patient**
Todd Crawford, MD
- 9:05 AM – 9:35 AM **Panel Discussion**
Joseph Bavaria, MD, Nimesh Desai, MD, PhD, Paul Fiorilli, MD, Melanie Freas, CRNP, Dinesh Jagasia, MD and Jeremy Jordan, CRNP
- 9:35 AM – 9:40 AM **Wrap-up: CT Imaging for TAVR and BAV**
Maria Ziadi, MD
- 9:40 AM – 9:45 AM **Wrap-up: Penn Medicine BAV Program**
Joshua Grimm, MD
- 9:45 AM – 10:00 AM Break
- 10:00 AM – 10:05 AM **Case Presentation 3: Asymptomatic AI in a Young Patient**
Keerit Tauh, MD
- 10:05 AM – 10:35 AM **Panel Discussion**
Joseph Bavaria, MD, Nimesh Desai, MD, PhD, Michael Ibrahim, MD, PhD, Dinesh Jagasia, MD and Harvey Waxman, MD
- 10:35 AM – 10:40 AM **Wrap-up: Penn Medicine Repair Program**
Joseph Bavaria, MD
- 10:40 AM – 10:45 AM **Wrap-up: Role of the Ross Procedure**
Nimesh Desai, MD, PhD
- 10:45 AM – 10:50 AM **Case Presentation 4: Moderate AS and Timing for Intervention**
Hillary Johnston-Cox, MD
- 10:50 AM – 11:25 AM **Panel Discussion**
Tiffany Chen, MD, Howard Herrmann, MD, Alexandria Lucia, PA-C and Ashwin Nathan, MD
- 11:25 AM – 11:30 AM **Wrap-up: Role of Imaging in Evaluation of Moderate AS**
Dinesh Jagasia, MD
- 11:30 AM – 11:40 AM **Case Presentation 5: Severe TR with RV Dysfunction**
Rim Halaby, MD
- 11:40 AM – 12:00 PM **Panel Discussion**
Tiffany Chen, MD, Nimesh Desai, MD, PhD, Paul Fiorilli, MD, Joshua Grimm, MD, and Howard Herrmann, MD
- 12:00 PM – 12:05 PM **Wrap-up: Imaging the TV**
Tiffany Chen, MD
- 12:05 PM – 12:10 PM **Wrap-up: Investigational Options for TR**
Paul Fiorilli, MD
- 12:10 PM Adjourn



LIVE VIRTUAL AGENDA

SATURDAY, APRIL 23, 2022

MITRAL AND TRICUSPID DISEASE

- 8:15 AM – 8:25 AM Sign into the Virtual Platform
- 8:25 AM – 8:30 AM **Opening Remarks**
Michael Acker, MD and Howard Herrmann, MD
- 8:30 AM – 9:30 AM **Keynote: Valve Guidelines Update**
Patrick O’Gara, MD
- 9:30 AM – 9:35 AM **Case Presentation 6: Young, Low Risk MR Repair**
Jennifer Chung, MD
- 9:35 AM – 9:55 AM **Panel Discussion**
Pavan Atluri, MD, Tiffany Chen, MD, Lisa Long, CRNP, Patrick O’Gara, MD and Harvey Waxman, MD
- 9:55 AM – 10:00 AM **Wrap up: State of Robotic Repair**
Pavan Atluri, MD
- 10:00 AM – 10:35 AM **Case Presentation 7: Functional MR and HF: Medicine, TEER or Surgery?**
Matthew Seigerman, MD
- 10:35 AM – 10:55 AM **Panel Discussion**
Michael Acker, MD, Gene Chang, MD, Howard Herrmann, MD, Lisa Long, CRNP, Patrick O’Gara, MD, Frank Silvestry MD, Joyce Wald, MD and Steven Weiss, MD
- 10:55 AM – 11:00 AM **Wrap up: State of Edge-to-Edge Repair**
Gene Chang, MD
- 11:00 AM – 11:15 AM Break
- 11:15 AM – 11:20 AM **Case Presentation 8: High Risk MR, Surgery vs TMVR**
Matthew Seigerman, MD
- 11:20 AM – 11:40 AM **Panel Discussion**
Paul Fiorilli, MD, Howard Herrmann, MD and Frank Silvestry, MD
- 11:40 AM – 11:45 AM **Wrap up: State of TMVR**
Howard Herrmann, MD
- 11:45 AM – 11:50 AM **Case Presentation 9: PVL (Mitral)**
Rim Halaby, MD
- Case Presentation 10: MAC**
Chase Brown, MD
- 11:50 AM – 12:10 PM **Panel Discussion**
Michael Acker, MD, Tiffany Chen, MD, Michael Ibrahim, MD, PhD, Ashwin Nathan, MD, Frank Silvestry, MD and Harvey Waxman, MD
- 12:10 PM – 12:15 PM **Wrap up: New Imaging Options**
Frank Silvestry, MD
- 12:15 PM – 12:20 PM **Wrap up: Surgical Results in MAC**
Michael Ibrahim, MD, PhD
- 12:20 PM – 12:30 PM **Closing Remarks**
Michael Acker, MD and Howie Herrmann, MD
- 12:30 PM Adjourn

LIVE VIRTUAL

Registration Form

**PENN MEDICINE:
CASE-BASED UPDATE ON
VALVULAR HEART DISEASE**

**FRIDAY, APRIL 23, 2022
7:45 AM – 12:10 PM EST
SATURDAY, APRIL 23, 2022
8:15 AM – 12:30 PM EST**

We strongly encourage you to register for this conference online by check or credit card at <https://upenn.cloud-cme.com/valvularheartdisease2022>

Questions? Contact us at:

penncme@penncme.upenn.edu • Phone: 215-898-6400 or 215-898-8005

Please note we are unable to accept faxed registration forms.

Please print or type

Name (First) _____ (Last) _____

Academic Degree _____

Medical Specialty _____

Affiliation (Hospital, Office, or Company) _____

Address (Affiliation or Home) _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail _____

REGISTRATION FEES

(pre-payment is required to be officially registered)

LIVE-STREAM (VIRTUAL) ATTENDANCE:

- Physicians and industry employees – \$50
- Nurse practitioners, nurses, pharmacists, physician assistants, researchers and other healthcare professionals – \$25
- There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

PAYMENT METHOD

- If you are paying by check or credit card, please register online at <https://upenn.cloud-cme.com/valvularheartdisease2022>
- If you are paying by check, you may mail your completed registration form and check made payable to **The Trustees of the University of Pennsylvania/CME** to:
Conference Manager
Office of Continuing Medical & Interprofessional Education
Academic Programs, Penn Medicine, JMEC, SPE, 6th floor
3400 Civic Center Blvd, Bldg. 421
Philadelphia, PA 19104-5162
- Do not include any credit card information on the registration form or share via email.