

IN-PERSON AND VIRTUAL:

UPenn HFpEF Symposium 2023



UNIVERSITY OF PENNSYLVANIA

Friday-Saturday
March 24-25, 2023

Arthur H. Rubenstein Auditorium at the
Smilow Center for Translational Research
3400 Civic Center Blvd.
Philadelphia, PA 19104

CME/CE-ACCREDITED CONFERENCE



This conference will be live streamed

<https://upenn.cloud-cme.com/HFpEF2023>





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UPenn HFpEF Symposium 2023

HOSTED BY THE DEPARTMENT OF MEDICINE AND THE DIVISION OF CARDIOVASCULAR MEDICINE AT PENN MEDICINE

PROGRAM OVERVIEW & TARGET AUDIENCE

While the incidence of heart failure with reduced ejection fraction (HFrEF) has decreased, that of heart failure with preserved ejection fraction (HFpEF) continues to rise, accounting for ~50% of heart failure hospitalizations. Patients with HFpEF suffer mentally and physically, similar to their HFrEF counterparts, and are markedly limited in terms of their functional capacity and quality of life. Yet in contrast to HFrEF, there are few effective pharmacologic treatments for HFpEF, despite numerous clinical trials.

To address this urgent need, many clinicians and researchers have focused on this important medical and societal issue. Improved strategies now exist to diagnose this condition, and multifaceted treatment options can help to alleviate some of the morbidity of the disease. This symposium will highlight diagnostic strategies and review the evidence base for pharmacologic therapies. Treatment of comorbid conditions found in HFpEF patients will also be discussed. Additional didactics highlighting the sources of exertional intolerance in HFpEF patients will be presented, with an emphasis on cardiopulmonary exercise testing.

The topics chosen for this conference represent the state-of-the-art in HFpEF management, incorporating the expertise of numerous disciplines including cardiology, pulmonology, radiology, sleep medicine, and endocrinology. The meeting is intended to provide an in-depth summary of HFpEF management to practicing clinicians across numerous disciplines, including Physicians, Nurse Practitioners, and Physician Assistants.

LEARNING OBJECTIVES

Upon conclusion of this educational activity, the participant will be better able to:

- Review the diagnostic criteria for HFpEF, including when to use advanced imaging or hemodynamic assessment
- Describe the electrophysiologic manifestations of HFpEF and their treatments
- Discuss HFpEF mimickers, including amyloidosis, sarcoidosis, and inherited cardiomyopathies
- Discuss novel therapies that are on the horizon for HFpEF
- Discuss the role of non-cardiac structures (such as the arterial system and other organs) in the pathogenesis and treatment of HFpEF
- Review the potential causes of exertional intolerance in HFpEF patients



The *UPenn HFpEF 2023 Symposium* is officially endorsed by the Heart Failure Society of America. The opinions presented in this educational activity do not necessarily reflect the opinions or recommendations of the HFSA.



IN-PERSON AND VIRTUAL: UPenn HFpEF Symposium 2023

LIVE AND VIRTUAL PRESENTATIONS

UPenn HFpEF Symposium 2023 will be held Friday-Saturday, March 24-25, 2023 by in-person or live-stream (virtual) attendance. The live and virtual presentations will follow the scheduled agenda in real time (EDT).

IN-PERSON MEETING LOCATION:

Arthur H. Rubenstein Auditorium at the Smilow Center for Translational Research,
3400 Civic Center Blvd., Philadelphia, PA 19104

LIVE-STREAM (VIRTUAL) ATTENDANCE:

48 hours before the symposium, those who are registered to attend virtually will receive an email that includes a link to join the symposium. All virtual attendees will be required to sign into the meeting using your first name, last name, and email address in order to be marked as attended and receive credit.

ACCREDITATION



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

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 15.5 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Amount of Credit Available by Day:

Friday – 7.75
Saturday – 7.75
Total = 15.5



ABIM MOC: Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 15.5 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.

Nurses: This program provides 15.5 NCPD hours.

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 15.5 Category 1 credits for completing this activity.

Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with a link and 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.



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ATTENTION YOUNG INVESTIGATORS!

Young investigators (currently in training or within 5 years of completion of the terminal degree) are invited to submit an expanded abstract on original research related to HFpEF within two categories: (1) Clinical/Translational Research, and (2) Basic Research. Investigators whose abstracts are selected will present in front of a panel of judges during a 10-minute presentation followed by 5 minutes of questions. A monetary prize will be awarded to the top presenter in each category during the reception on the final day of the symposium. The date range for submissions is September 1, 2022 – January 31, 2023. The categories are Basic Research and Clinical/Translational Research. For more information and to upload your abstract (PDF preferred), please visit <https://upenn.cloud-cme.com/HFpEF2023>

REGISTRATION FEES

IN-PERSON ATTENDANCE:

Please register online at <https://upenn.cloud-cme.com/HFpEF2023>.

The fees to attend in-person are as follows: \$250 for physicians and industry attendees, \$100 for Non-US Based physicians, \$100 for nurse practitioners, physician assistants and other healthcare professionals, \$50 for Non-Penn residents and fellows. There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

All pre-registered, in-person attendees will receive access to the conference, attendee booklet, continental breakfast, lunch and snacks during the breaks. A reception on Friday and reception and dinner on Saturday are also included. Registration also includes access to view the presentations online for one year. Due to the COVID-19 pandemic, walk-ins are discouraged. Please be sure to register in advance.

LIVE-STREAM (VIRTUAL) ATTENDANCE:

Please register online at <https://upenn.cloud-cme.com/HFpEF2023>

The fees to attend virtually are as follows: \$100 for physicians (US and Non-US based) and industry, \$50 for nurse practitioners, physician assistants and other healthcare professionals, and \$25 for residents, fellows and students. There is no fee for Penn Medicine residents, fellows, students and Penn Division of Cardiovascular Medicine employees, faculty and staff to attend.

48 hours before the symposium, those who are registered to attend virtually will receive an email that includes a link to join the symposium. The email will also include the downloadable (PDF) attendee booklet. 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 continue to experience longer delays in 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 March 23, 2023.



COURSE COMMITTEE

The course director and planning committee listed below are all faculty of the Perelman School of Medicine at the University of Pennsylvania and Penn Medicine, Philadelphia, PA.

COURSE DIRECTOR

Payman Zamani, MD, MTR

Assistant Professor of Medicine
Perelman School of Medicine

PLANNING COMMITTEE

Thomas P. Cappola, MD, ScM

William Smilow Professor
Chief, Division of Cardiovascular Medicine

Julio A. Chirinos, MD, PhD

Professor of Medicine
Co-Director, Clinical Research
Training Program in CV Biology and Medicine

Cassandra J. Demastus, MSN, CRNP, AG-ACNP-BC

Nurse Practitioner
*Nurse Planner

Lee R. Goldberg, MD, MPH

Professor of Medicine
Section Chief, Advanced Heart Failure
and Cardiac Transplant

Daniel P. Kelly, MD

Director, Cardiovascular Institute
Willard and Rhoda Ware Professor of
Diabetes and Metabolic Diseases

Kenneth B. Margulies, MD

Professor of Medicine
Research Director, Heart Failure/Transplantation

Jeremy A. Mazurek, MD

Assistant Professor of Clinical Medicine
Medical Director
Pulmonary Hypertension Program
Director, Pulmonary Hypertension/
Pulmonary Vascular Disease Fellowship

Stuart B. Prentner, MD

Assistant Professor of Clinical Medicine
Program Director, Advanced Heart Failure and
Transplant Cardiology

Margaret Shanks, MSN, FNP-C, ACGNP-BC

Nurse Practitioner
*Nurse Planner

Ross Zimmer, MD

Clinical Assistant Professor of Medicine
Director, Heart Failure Program
Penn Medicine Presbyterian Medical Center

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 syllabi. Faculty members are also expected to disclose to participants discussions of off-label and/or investigational uses of pharmaceutical products or devices within their presentations.



COURSE FACULTY

The speakers listed below are all faculty of the Perelman School of Medicine at the

University of Pennsylvania and Penn Medicine, Philadelphia, PA.

Nadine Al-Naamani, MD, MS

Assistant Professor of Medicine

Anastassia Amaro, MD

Medical Director, Penn Metabolic Medicine

Associate Professor of Clinical Medicine

Paco E. Bravo, MD

Director of Nuclear Cardiology

Director of the Cardiovascular Phenotyping Unit

Center for Human Phenomic Science

Nuclear Medicine Modality Chief

Vice-Chair for the Radiation Research

Safety Committee

Chair for Nuclear Cardiology Governance

Brian M. Drachman, MD

Associate Professor of Clinical Medicine

Associate Chief of Cardiovascular Medicine

Co-Director, Amyloidosis Program

Sharlene M. Day, MD

Presidential Associate Professor

Director, Translational Research

Division of Cardiovascular Medicine

and Cardiovascular Institute

Lauren Eberly, MD, MPH

Assistant Professor, Penn Medicine

Staff Cardiologist, Gallup Indian Medical

Center, Indian Health Service

David Frankel, MD

Associate Professor of Medicine

Director, Cardiac Electrophysiology

Fellowship Program

Jason S. Fritz, MD

Associate Professor of Clinical Medicine

Co-Director, Dyspnea Program

Michael V. Genuardi, MD, MS

Assistant Professor of Clinical Medicine

Marie Guerraty, MD, PhD

Assistant Professor of Medicine

Howard Herrmann, MD

John Winthrop Bryfogle Professor of

Cardiovascular Diseases

Professor of Medicine in Surgery

Director, Cardiac Catheterization Laboratories

Director for Interventional Cardiology

H. Luise Holzhauser, MD

Assistant Professor of Clinical Medicine

Matthew C. Hyman, MD, PhD

Assistant Professor of Medicine

Michael Litt, MD, PhD

Cardiovascular Disease Fellow

Hansie M. Mathelier, MD, FACC

Clinical Assistant Professor of Medicine

Paul J. Mather, MD

Professor of Clinical Medicine

Director, Faculty Development

Jorge I. Mora, MD

Associate Professor of Clinical Medicine

Associate Chief, Clinical Affairs

Division of Sleep Medicine

Medical Director, Penn Sleep Center

Juan M. Ortega-Legaspi, MD, PhD

Assistant Professor of Clinical Medicine

Anjali T. Owens, MD

Assistant Professor of Medicine

Medical Director, Center for Inherited

Cardiac Disease

Aditya Parikh, MD

Assistant Professor of Medicine

Advanced Heart Failure and

Transplant Cardiology

Janice Pieretti, MD

Associate Professor of Clinical Medicine

Nosheen Reza, MD

Assistant Professor of Medicine

Director, Penn Women in Cardiology Program

Assistant Program Director

Cardiovascular Disease Fellowship Program



COURSE FACULTY

The speakers listed below are all faculty of the Perelman School of Medicine at the University of Pennsylvania and Penn Medicine, Philadelphia, PA.

Sharon Rubin, MD

Associate Professor of Clinical Medicine

Marielle Scherrer-Crosbie, MD, PhD

Professor of Medicine

Director of Echocardiography

Penn Cardiovascular Institute

Daniel R. Schwartz, MD

Associate Professor of Clinical Medicine

Director, Heart Failure Program

Philadelphia VA Medical Center

Kiran Sidhu, MD, MPH

Assistant Professor of Clinical Medicine

Esther Sung Hee Pak, MD

Assistant Professor of Clinical Medicine

Monique Tanna, MD

Assistant Professor of Clinical Medicine

Director, Ambulatory Heart Failure

Benjamin J. Vaccaro, MD

Assistant Professor of Clinical Medicine

Hima Vidula, MD, MS

Associate Professor of Medicine

Medical Director of Mechanical

Circulatory Support

Joyce W. Wald, DO

Medical Director, Penn Shock Team

Director, Practice Development

Professor of Clinical Medicine

Teresa Sue Wang, MD

Assistant Professor of Clinical Medicine

Cancellation Policy: In order to process refunds for course withdrawals, cancellations must be received in writing by March 10, 2023 (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.

SERVICES FOR THE DISABLED If special arrangements are required for an individual with a disability to participate this meeting, please contact the Office of Continuing Medical and Interprofessional Education no later than March 23, 2023, at 215-898-6400.



GUEST FACULTY

Barry A. Borlaug, MD

Professor of Medicine
Chair for Research, Division of Circulatory Failure
Department of Cardiovascular Medicine
Mayo Clinic
Rochester, MN

Marat Fudim, MD, MHS

Assistant Professor of Medicine
Duke University School of Medicine
Durham, NC

David A. Kass, MD

Abraham and Virginia Weiss
Professor of Cardiology
Professor of Biomedical Engineering
Professor of Pharmacology and
Molecular Sciences
Director, Institute of CardioScience
Johns Hopkins University School of Medicine
Baltimore, MD

Benjamin Levine, MD

Director of the Institute for Exercise and
Environmental Medicine
S. Finley Ewing Chair for Wellness
Harry S. Moss Heart Chair for
Cardiovascular Research
Distinguished Professor of Exercise Sciences
Professor of Internal Medicine/Cardiology
University of Texas Southwestern Medical Center
Dallas, TX

Gregory Lewis, MD

Associate Professor of Medicine
Section Head, Heart Failure
Director, Cardiopulmonary Exercise
Testing Laboratory
Medical Director, Cardiac Transplantation Program
Massachusetts General Hospital
Boston, MA

Senthil Selvaraj, MD, MSTR, MA

Assistant Professor of Medicine
Duke University School of Medicine
Durham, NC

Sanjiv J. Shah, MD

Director, Institute for Augmented
Intelligence in Medicine
Center for Deep Phenotyping and
Precision Therapeutics
Neil J. Stone, MD Professor of Medicine
Northwestern University Feinberg School
of Medicine
Chicago, IL

Nancy K. Sweitzer, MD, PhD

Professor of Medicine
Vice Chair of Clinical Research
Department of Medicine
Director of Clinical Research
Division of Cardiology
Washington University School of Medicine
St. Louis, MO

Jeffrey Testani, MD, MTR

Director of Heart Failure Research
Co-Director Heart & Vascular Center
Clinical Research
Associate Professor of Medicine
Yale School of Medicine
New Haven, CT



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AGENDA | FRIDAY, MARCH 24, 2023

8:00 AM – 9:00 AM In-person Sign-in and Continental Breakfast

8:45 AM – 9:00 AM Virtual Audience Sign-in

9:00 AM – 9:10 AM **Welcome Address**
Thomas P. Cappola, MD, ScM

FRIDAY MORNING SESSION:

IS IT HEART FAILURE? GETTING THE DIAGNOSIS RIGHT

Moderators: *Jeremy A. Mazurek, MD and Aditya Parikh, MD*

9:10 AM – 9:25 AM **HFpEF Epidemiology – a Growing Problem**
Stuart B. Prentner, MD

9:25 AM – 9:40 AM **Clinical Factors and Biomarkers – Scoring Systems (e.g. H₂FPEF)**
Senthil Selvaraj, MD, MSTR, MA

9:40 AM – 9:55 AM **Advanced Echo Techniques to Diagnose HFpEF**
Marielle Scherrer-Crosbie, MD, PhD

9:55 AM – 10:10 AM **To the Cath Lab –
Maneuvers and Challenges to Make the Diagnosis and When to Biopsy**
Barry A. Borlaug, MD

10:10 AM – 10:25 AM **Advanced Imaging – PET and cMRI in HFpEF**
Paco Bravo, MD

10:25 AM – 10:40 AM **HFpEF – A Global Perspective**
Juan M. Ortega-Legaspi, MD, PhD

10:40 AM – 11:00 AM **Case Presentation: HF/Cardiology Fellow**
*Discussants: Jason S. Fritz, MD, Hansie Mathelier, MD, FACC,
Margaret Shanks, MSN, FNP-C, ACGNP-BC and Daniel R. Schwartz, MD*

11:00 AM – 11:45 AM **Keynote: Redefining the Pathobiology of HFpEF**
David A. Kass, MD

11:45 AM – 12:45 PM Lunch



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AGENDA | FRIDAY, MARCH 24, 2023

FRIDAY AFTERNOON SESSION:

GUIDELINE-DIRECTED PHARMACOLOGY AND DEVICES FOR HFpEF

Moderators: *Michael V. Genuardi, MD, MS and Hima Vidula, MD, MS*

- | | |
|--------------------|---|
| 12:45 PM – 1:00 PM | Diuretics and Overcoming Resistance
<i>Jeffrey Testani, MD, MTR</i> |
| 1:00 PM – 1:15 PM | SGLT2i: Outcomes and Controversies
<i>Payman Zamani, MD, MTR</i> |
| 1:15 PM – 1:30 PM | MRAs and ARNIs - Trials, Tribulations, and Recommendations
<i>Jeremy A. Mazurek, MD</i> |
| 1:30 PM – 1:45 PM | Implantable PA Monitors in HFpEF
<i>Monique Tanna, MD</i> |
| 1:45 PM – 2:00 PM | Addressing Disparities in the Management of HFpEF and its Comorbidities
<i>Lauren Eberly, MD, MPH</i> |
| 2:00 PM – 2:15 PM | Update on Amyloid Therapies
<i>Brian M. Drachman, MD</i> |
| 2:15 PM – 2:40 PM | Case Presentation: HF/Cardiology Fellow
<i>Discussants: Brian M. Drachman, MD, Paul J. Mather, MD, H. Luise Holzhauser, MD, and Janice Pieretti, MD</i> |
| 2:40 PM – 3:25 PM | Keynote: HFpEF Guidelines – Phenogroups to Guide Therapies
<i>Sanjiv J. Shah, MD</i> |
| 3:25 PM – 3:40 PM | Break |
| 3:40 PM – 5:00 PM | YOUNG INVESTIGATOR'S COMPETITION
CLINICAL/TRANSLATIONAL RESEARCH
<i>Moderated by: Payman Zamani, MD, MTR</i> |
| 5:00 PM – 7:00 PM | Reception – Please Join Us! |



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AGENDA | SATURDAY, MARCH 25, 2023

7:30 AM – 8:00 AM In-person Sign-in and Continental Breakfast

7:45 AM – 8:00 AM Virtual Audience Sign-in

SATURDAY MORNING SESSION:

MANAGEMENT OF HFPEF RELATED COMORBIDITIES

Moderators: Sharon Rubin, MD and Kiran Sidhu, MD, MPH

8:00 AM – 8:15 AM **Recap of Day 1 and Intro to Day 2**

Daniel P. Kelly, MD

8:15 AM – 8:30 AM **Overcoming the Sedentary Lifestyle –
Exercise as Prevention and Treatment for HFpEF**

Benjamin Levine, MD

8:30 AM – 8:45 AM **Chronotropic Incompetence: Modulating Sinus Rhythm and Pacing**

Matthew C. Hyman, MD, PhD

8:45 AM – 9:00 AM **Atrial Fibrillation in HFpEF – Should We Ablate Sooner?**

David Frankel, MD

9:00 AM – 9:15 AM **Management of Obesity – Drugs and Surgical Considerations**

Anastassia Amaro, MD

9:15 AM – 9:30 AM **Microvascular Dysfunction in HFpEF**

Marie Guerraty, MD, PhD

9:30 AM – 9:45 AM **Sleep Apnea in HFpEF**

Jorge Mora, MD

9:45 AM – 10:00 AM **Lung Disease and Pulmonary Hypertension in HFpEF**

Nadine Al-Naamani, MD, MS

10:00 AM – 10:20 AM **Case Presentation: Cardiology Fellows/Junior Faculty**

*Discussants: Lee R. Goldberg, MD, MPH, Kiran Sidhu, MD, MPH
Esther Sung Hee Pak, MD, and Benjamin J. Vaccaro, MD*

10:20 AM – 10:35 AM Break



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AGENDA | SATURDAY, MARCH 25, 2023

SATURDAY MORNING SESSION (PART 2):

WHAT'S ON THE HORIZON

Moderators: Joyce W. Wald, DO and Lee R. Goldberg, MD, MPH

- | | |
|---------------------|--|
| 10:35 AM – 10:50 AM | Drugs to Modulate Contractility – Levosimendan and Mavacamten
<i>Anjali Owens, MD</i> |
| 10:50 AM – 11:05 AM | Fibrosis In HFpEF – What it Means and What to do About it?
The New and the Old – Alagebrium, Pirfenidone, and Novel Diagnostics
<i>Julio A. Chirinos, MD, PhD</i> |
| 11:05 AM – 11:20 AM | Splanchnic Nerve Modulation in HFpEF
<i>Marat Fudim, MD, MHS</i> |
| 11:20 AM – 11:35 AM | Intracardiac Shunt Devices
<i>Howard Herrmann, MD</i> |
| 11:35 AM – 12:00 PM | Case Presentation: Cardiology Fellows/Junior Faculty
<i>Discussants: Michael Litt, MD, PhD, Sharlene M. Day, MD, Anjali Owens, MD, Nosheen Reza, MD, and Teresa Sue Wang, MD</i> |
| 12:00 PM – 12:15 PM | Break |
| 12:15 PM – 1:00 PM | Keynote: The Future of HFpEF Treatment
<i>Nancy K. Sweitzer, MD, PhD</i> |
| 1:00 PM – 2:30 PM | Lunch |

MINI-SYMPOSIUM:

EXERCISE CAPACITY IN HFpEF

Moderators: Jason S. Fritz, MD and Payman Zamani, MD, MTR

- | | |
|-------------------|---|
| 2:30 PM – 2:50 PM | Exercise Physiology, as seen Through a CPET Test
<i>Jason S. Fritz, MD</i> |
| 2:50 PM – 3:20 PM | CPET Live Demo |
| 3:20 PM – 3:35 PM | Break/Q&A |
| 3:35 PM – 4:05 PM | Debate: It's the Heart! High Pressures "Limit" Exercise in HFpEF
<i>Barry A. Borlaug, MD</i> |
| 4:05 PM – 4:35 PM | Debate: The Heart Isn't Normal but It's Not Everything – Peripheral Limitations in HFpEF
<i>Gregory Lewis, MD</i> |
| 4:35 PM – 5:00 PM | Rebuttal, Q&A and Questions |
| 5:00 PM – 5:15 PM | Break |



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AGENDA | SATURDAY, MARCH 25, 2023

5:15 PM – 6:15 PM

**YOUNG INVESTIGATOR'S COMPETITION PART 2
BASIC RESEARCH**

Moderated by Payman Zamani, MD, MTR

6:15 PM

Closing Remarks & Adjourn

Payman Zamani, MD, MTR

6:20 PM – 8:00 PM

Reception and Dinner

7:20 PM

Young Investigator's Competition Award



Registration Form

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Friday-Saturday
March 24-25, 2023

We strongly encourage you to register for this conference online by check or credit card at

<https://upenn.cloud-cme.com/HFpEF2023>

Questions? Contact us at:

penncme@pennmedicine.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

IN-PERSON ATTENDANCE:

- ☐ \$250 for physicians and industry attendees
- ☐ \$100 for Non-US based physicians
- ☐ \$100 for nurse practitioners, physician assistants and other healthcare professionals
- ☐ \$50 for Non-Penn residents and fellows
- ☐ There is no fee for residents, fellows, students and Penn Medicine employees, faculty and staff to attend.

Optional:

- ☐ I will attend the reception on Friday ☐ I will attend the reception and dinner on Saturday

LIVE-STREAM (VIRTUAL) ATTENDANCE:

- ☐ \$100 for physicians (US and Non-US based) and industry attendees,
- ☐ \$50 for nurse practitioners, physician assistants and other healthcare professionals.
- ☐ \$25 for residents, fellows and students
- ☐ 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/HFpEF2023>
- 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
Perelman School of Medicine/CME
JMEC, SPE, 6th Floor, University of Pennsylvania
3400 Civic Center Blvd, Building 421, Philadelphia, PA 19104-5162
- Do not include any credit card information on the registration form or share via email.