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See inside for details



8th Annual Role of Cardiac Imaging in Women

Watch Live:

Session 1: Saturday December 4, 2021 (8:00am - 11:30am EDT)

Session 2: Monday December 6, 2021 (6:30pm - 9:00pm EDT)

Session 3: Wednesday December 8, 2021 (6:30pm - 9:00pm EDT)

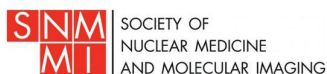
Recorded Sessions for Credits!
Through January 18, 2022



Keynote Speaker

Jennifer H. Mieres, MD, FACC, MASNC, FAHA
Senior Vice President, Center for Equity of Care
Chief Diversity and Inclusion Officer
Northwell Health
Associate Dean, Faculty Affairs and Professor of Cardiology
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

8.0 CME/CEU Credits for All • 7.25 SDMS Credits for Sonographers
8.0 SNMMI VOICE Credits for Nuclear Technologists
7.25 ABIM Medical Knowledge Points for Physicians who Board Certify



In partnership with



WOMEN AS ONE
promoting talent in medicine



Register online at www.cviphiladelphia.org

Why You Should Attend

Deborah Heart and Lung Center (Deborah and Cardiovascular Institute of Philadelphia's (CVI) 8th Annual Role of Cardiac Imaging in Women CME Program is designed to further the clinical application, management and interpretation skills of physicians, technologists and mid-level providers involved in non-invasive cardiac imaging. The agenda for Deborah/CVI's 8th Annual Role of Cardiac Imaging in Women CME Program focuses on a variety of topics in non-invasive cardiac imaging including: Maternal Health & CV Outcomes, Gender Disparities in CV Health and in Advanced Heart Failure, CT and Procedural Planning for Structural Heart Interventions in Women, Cardiac MRI in Assessing Cardiomyopathy, Functional Versus Anatomical Assessment of Stable Chest Pain in Women, Diagnosing TTR-Cardiac Amyloidosis in Women, Ischemia in Women with Chronic CAD & Severe Cardiomyopathy, PET to Diagnose Microvascular CAD in Women, AI in CV Imaging, 3D Echo in the Lab & Hybrid OR, Diagnosis & Treatment of HCM, Strain, and Gender Differences in Echo Assessment of Mitral Valve Disease.

Attendees will gain valuable knowledge in the role of cardiac imaging in diagnosis and management of women with various cardiac disease states.

Target Audience

This activity is designed for cardiologists, cardiology fellows, residents, cardiac sonographers, nuclear technologists, nurse practitioners, physician assistants, nurses and medical assistants who participate in the care of patients with cardiovascular disease and other physicians and healthcare professionals with an interest in the subject matter.

Learning Objectives

After attending Deborah/CVI's 8th Annual Role of Cardiac Imaging in Women, attendees will be better able to:

- Comprehend how adverse pregnancy outcomes (hypertensive disorders of pregnancy, gestational hypertension, preterm delivery, small for gestational age infant) impact maternal future CV risk
- Apply these "risk enhancing factors" of adverse pregnancy outcomes into CVD risk assessment
- Optimize maternal health before, during, and after pregnancy to improve maternal and offspring outcomes
- Identify gender specific differences in patients undergoing LVAD/Heart Transplant
- Describe expected gender related differences in outcomes in patients undergoing Advanced Heart Failure therapies
- Recognize ethnic disparities in management and outcomes in women with heart failure
- Outline disparities in outcomes for women with cardiovascular disease
- Describe the social determinants of health that contribute to ethnic and gender disparities in cardiovascular care
- Demonstrate potential solutions to address disparities in care on an individual, institutional, and societal level
- Utilize cardiac CT to assess the anatomy of valvular heart disease (VHD) to determine percutaneous procedural planning in women
- Describe gender differences in anatomic assessment of VHD related to percutaneous procedural planning
- Utilize cardiac CT for post-procedure assessment of valve prosthesis
- Recognize the value of cardiac MRI in determining the underlying etiology of a cardiomyopathy
- Identify multiple special sequences in magnetic resonance imaging that characterize cardiac tissues
- Incorporate cardiac MRI into the initial workup and/or follow up of a cardiomyopathy
- Compare and contrast the gender differences of CAD in women and men
- Explain the presentation of ischemic heart disease in women
- Appraise the best non-invasive testing strategy for diagnosing and assessing ischemic heart disease in women
- Define the epidemiology of cardiac amyloidosis
- Recognize the prevalence of ATTR amyloidosis in women vs. men
- Summarize diagnostic methods for ATTR amyloidosis
- Describe challenges in the non-invasive assessment of severe ischemic cardiomyopathy
- Develop optimal nuclear cardiac imaging strategies to assess ischemia in women with chronic CAD

- Summarize other non-invasive diagnostic strategies to identify myocardial ischemia in women with chronic CAD
- Define clinical criteria for coronary microvascular disease (CMD)
- Explain how PET MPI is performed
- Describe the strengths and limitations of PET for CMD
- Summarize major techniques of machine learning
- Interpret results of AI risk prediction and diagnosis in nuclear cardiology and CT
- Explain AI methods used for automated quantification of cardiovascular images
- Describe the role of 3D TTE for quantification, strain imaging and comprehensive valvular assessment
- Discuss the role of 3D TEE for valvular assessment
- Utilize 3 D TEE in the Cath lab and Hybrid OR
- Summarize the high-risk features used for sudden cardiac death risk stratification in hypertrophic cardiomyopathy
- Identify the appropriate management strategy for patients with obstructive hypertrophic cardiomyopathy
- Give examples of patients with hypertrophic cardiomyopathy who may warrant consideration of heart transplantation
- Describe the basic concept of strain and its measurement by echocardiography
- Summarize exemplary conditions that benefit from strain echocardiography
- Identify key limitations in the application of strain echocardiography
- Distinguish the gender differences in mitral valvular disease seen on echo
- Explain how gender differences may influence management of mitral valvular disease
- Identify gender specific features of the mitral valve which may influence the outcomes of percutaneous and surgical management of mitral valve disease

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Medical Society of New Jersey (MSNJ) through the joint providership of Deborah Heart and Lung Center and The Cardiovascular Institute of Philadelphia (CVI). Deborah Heart and Lung Center is accredited by the MSNJ to provide continuing medical education for physicians.

Credit Designation Statement

AMA: Deborah Heart and Lung Center designates this Live Event for a maximum of 8.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity

AOA: This program is eligible for 8.0 credits in category 2A of the American Osteopathic Association through the Pennsylvania Osteopathic Medical Association Foundation

Please note: physicians accrediting through AOA and all other attendees will receive an AMA certificate of attendance which they may submit to their accrediting bodies.

SDMS: Deborah Heart and Lung Center and Cardiovascular Institute of Philadelphia's 8th Annual Role of Cardiac Imaging in Women CME Program has been submitted for 7.25 SDMS Credits. Approval pending.

SNMMITS VOICE Accreditation Information:

The SNMMI, through its Verification of Involvement in Continuing Education (VOICE) program, has approved this meeting for a maximum of 8.0 continuing education hours (CEHs). VOICE-approved credit is recognized by most licensure states and by the NMTCB and ARRT as Category A+ credit. Participants will receive CE credit for those sessions at which they were present a minimum of 80%. Approval pending.

MOC Statement

MOC Medical Knowledge Credits/Points: Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 7.25 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. Awarding of MOC points requires additional attestation, post program evaluation and test questions.

Faculty

Course Director

Renee P. Bullock-Palmer, MD FACC FAHA FASNC FASE FSCCT

Clinical Associate Professor, Division of Cardiology
Philadelphia Osteopathic College of Medicine
Director of Women's Heart Center
Director of Non-Invasive Cardiac Imaging
Deborah Heart and Lung Center

Associate Course Director

Veronica A. Covalesky, MD FACC

Clinical Assistant Professor of Medicine
Drexel University College of Medicine

Keynote Speaker

Jennifer H. Mieres, MD, FACC, MASNC, FAHA

Senior Vice President, Center for Equity of Care;
Chief Diversity and Inclusion Officer
Northwell Health
Associate Dean, Faculty Affairs and Professor of Cardiology
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

Faculty

Theodore P. Abraham, MD, FACC

Meyer Friedman Distinguished Professor of Medicine
Clinical Chief of Cardiology
University of California San Francisco

Kulpreet Barn, MD

Director, Heart Failure Program
Deborah Heart & Lung Center

Panithaya Chareonthaitawee, MD

Associate Professor of Medicine in the Mayo Clinic
College of Medicine
Director of the Mayo Clinic Nuclear Cardiology Laboratory,
Department Diversity Chair, and
Associate Program Director, Internal Medicine Residency
of Mayo Clinic

Sharmila Dorbala, MD, MPH

Director, Nuclear Cardiology, Brigham and Women's Hospital
Professor of Radiology, Harvard Medical School

Linda D. Gillam, MD MPH FACC FAHA FASE

Chair, Cardiovascular Medicine
Gagnon Cardiovascular Institute,
Morristown Medical Center,
Atlantic Health System

Michelle Maya Kittleson, MD, PhD

Professor of Medicine, Cedars-Sinai

James C. Lee, MD, FACC, FSCCT, FASE

Director of Echocardiography
Division of Cardiology
Henry Ford Heart and Vascular Institute

Erin D. Michos, MD, MHS, FAHA, FACC, FASE, FASPC

Associate Professor of Medicine (Cardiology) and Epidemiology
Johns Hopkins University School of Medicine
Co-Editor in Chief, the American Journal of Preventive Cardiology

Pravin Patil, MD FACC FASE

Associate Professor of Medicine
Director, Cardiovascular Disease Training Program
Lewis Katz School of Medicine at Temple University

Jyothy J Puthumana, MD

Associate Professor, Northwestern Feinberg School of Medicine,
Division of Cardiology
Director – Interventional Echocardiography

Piotr Slomka, PhD

Director of Innovation in Imaging, Cedars-Sinai
Professor of Medicine and Cardiology
Division of Artificial Intelligence in Medicine, Cedars-Sinai
Professor of Medicine, UCLA School of Medicine

Conflict of Interest Statement:

Faculty and all others who have the ability to control the content of continuing medical education activities sponsored by Deborah Heart and Lung Center are expected to disclose to the audience whether they do or do not have any real or apparent conflict(s) of interest or other relationships related to the content of their presentation(s).

Acknowledgements:

All commercial support in the form of educational grants and display support will be acknowledged in the syllabus, signage and verbally at the program.



*Deborah Heart & Lung Center and CVI appreciate
the partnership of the following organizations
in presenting this educational initiative*

WOMEN AS ONE
promoting talent in medicine

Live Webinar Agenda

8th Annual Role of Cardiac Imaging in Women

8.0 CME/CEU/VOICE Credits • 7.25 SDMS Credits • 7.25 ABIM Medical Knowledge MOC Points

♥ = ABIM – MOC ELIGIBLE SESSION

Please note – all times are in the Eastern US Standard Time Zone

Session 1 – Saturday, December 4, 2021

Session 1A - Healthcare Disparities and Maternal Health

Introduction and Overview

Renee Bullock-Palmer, MD 8:00am – 8:15am

♥ Maternal Health and Cardiovascular Outcomes

Erin Michos, MD 8:15am – 8:45am

♥ Addressing Gender Disparities in Advanced Heart Failure: Management and Outcomes

Kulpreet Barn, MD 8:45am – 9:15am

Keynote Presentation

♥ Cardiovascular Health In Women – Disparities and Solutions – Where are We in 2021?

Jennifer Mieres, MD 9:15am – 10:00am

Session 1B - Cardiac CT/Cardiac MRI

♥ Use of Cardiac CT in Structural Heart Disease and Procedural Planning in Women

James Lee, MD 10:00am – 10:30am

♥ Use of Cardiac MRI in Assessment of Cardiomyopathy – Case Examples

Pravin Patil, MD 10:30am – 10:45am

♥ Presentation of Stable Chest Pain in Women: Deciding Between Functional Versus Anatomical Assessment

Renee Bullock-Palmer, MD 10:45am – 11:15am

♥ Panel Discussion & Q/A – All 11:15am – 11:30am

Session 2 – Monday, December 6, 2021

Introduction and Overview

Veronica Covaletsky, MD 6:30pm – 6:45pm

♥ Is TTR-Cardiac Amyloidosis Really a Rare Disease in Women?

Diagnostic Challenges and Solutions

Sharmila Dorbala, MD 6:45pm – 7:15pm

♥ Assessment of Ischemia in Women with Chronic CAD and Severe Cardiomyopathy

Renee Bullock Palmer, MD 7:15pm – 7:45pm

♥ Diagnosing Microvascular CAD in Women with Cardiac PET Imaging: Pitfalls and Solutions

Panithaya Chareonthaitawee, MD 7:45pm – 8:15pm

♥ The Role of Artificial Intelligence in Cardiovascular Imaging

Piotr Slomka, PhD 8:15pm – 8:45pm

♥ Panel Discussion & Q/A – All 8:45pm – 9:00pm

Session 3 – Wednesday, December 8, 2021

Introduction and Overview

Renee Bullock-Palmer, MD 6:30pm – 6:45pm

♥ Advances and New Applications of 3D Echo in the Echo Lab and Hybrid OR

Jyothy Puthumana, MD 6:45pm – 7:15pm

♥ Diagnosis and Treatment of HCM – What's in the Latest 2020 Guidelines?

Michelle Kittleson, MD 7:15pm – 7:45pm

♥ Strain Echocardiography: Principles, Promises and Pitfalls

Theodore Abraham, MD 7:45pm – 8:15pm

♥ Gender Specific Differences in Echo Assessment of Mitral Valvular Diseases

Linda Gillam, MD 8:15pm – 8:45pm

♥ Panel Discussion & Q/A – All 8:45pm – 9:00pm

CVI CME Virtual Program Format

CVI is committed to the health, safety and well-being of our HealthCare Heroes who participate in our educational initiatives.

We encourage everyone, if they haven't already done so to plan to vaccinate against the debilitating effects of COVID-19.

Our goal is to return to in-person live programming in 2022, but until that time, we understand the need to provide convenient access to the most up-to-date information on the diagnosis, management and prevention of cardiovascular disease; delivered by nationally recognized thought leaders in field.

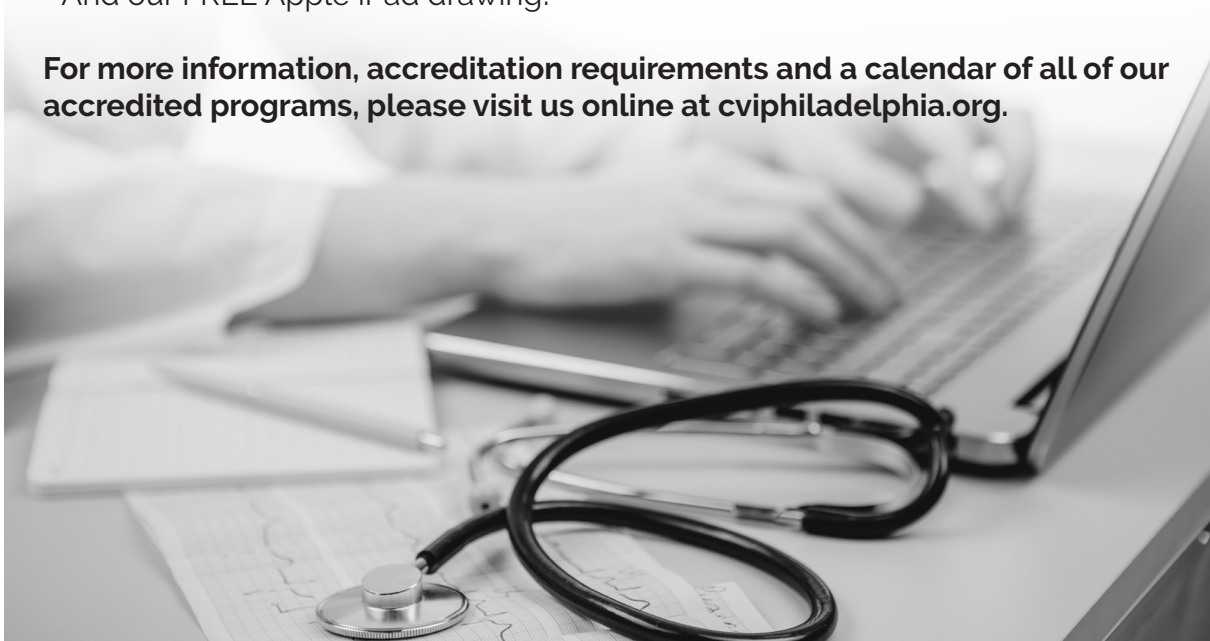
There are 2 easy ways to earn your credits:

- Watch programs **live** with hundreds of other health professionals
- Or watch the recorded proceedings on demand, at your convenience, for 45 days after the program (until 1/18/22 for Deborah/CVI Imaging in Women Program)
- All presentations have start and end codes which need to be included on program evaluation to claim credits
- If watching recorded proceedings, an **additional** quiz is also required by your accreditation body
- Either format — you **must** register to receive a unique link to view the program

CVI's Online CME/CEU/SDMS/VOICE/MOC Programs offer you:

- Relevant, timely, interesting topics
- Nationally recognized thought leader faculties
- Registration fees discounted from in-person programs
- Early-bird discounts for those registering by 11/15/21 for CVI Deborah/CVI Imaging in Women Program
- And our FREE Apple iPad drawing!

For more information, accreditation requirements and a calendar of all of our accredited programs, please visit us online at cvphiladelphia.org.



**Please join the Cardiovascular
Institute of Philadelphia
as we announce our
2021 – 2022
Academic Calendar**

**Live Virtual and On-Demand Accredited
Programs through 2021**

CVI's 28th Annual Cardiology Update

8.25 CME/CEU Credits & 7.25 ABIM MOC Knowledge Points
Live Broadcasts – Sun, Oct 24, AM Session & Mon, Oct 25, PM Session
& Wed Oct 27, PM Session
On-Demand Viewing through Dec 11, 2021

CVI/DHLC's 8th Annual Role of Cardiac Imaging in Women

Live Broadcasts – Sat, Dec 4, AM Session & Mon, Dec 6, PM Session
& Wed, Dec 8, PM Session
On-Demand Viewing through January 22, 2022

**Then join us live, in-person in Philadelphia for
the start of our 2022 accredited programs:**

CVI's 14th Annual Echocardiography Update

Sunday, January 9, 2022, Loews Philadelphia Hotel

**CVI's 6th Annual Fellows Program: What Every Cardiology Fellow
Needs to Know About Interventional Cardiology**

Winter, 2022, Location Coming Soon

CVI's 11th Annual EP/Arrhythmia Update

Sunday, February 27, 2022, Hilton Philadelphia at Penn's Landing

CVI's 17th Annual Update in Nuclear Cardiology

Spring, 2022, Hilton Philadelphia at Penn's Landing



CVI's Inaugural Philadelphia Heart Failure Symposium

Spring, 2022, Location Coming Soon

**CVI/Deborah's 2nd Annual Adult Congenital
Heart Disease Program**

Late Spring, 2022, Location Coming Soon

**Visit us online to find out more about these programs,
as well as CVI's Virtual CME Spotlight Programs,
Webinars and Evening Educational Programs in 2022!**

cviphiladelphia.org

8th Annual Role of Cardiac Imaging in Women
Saturday 12/4/21, Monday 12/6/21, Wednesday 12/8/21

Registration Form

Registration Fees

Be an early bird ... sign up and pay your registration by Monday, Nov. 15, 2021 and **SAVE \$35** off your registration fee!

- Physicians and Industry:
\$164 by 11/15/21; **\$199** after 11/15/21*
- Mid Level Providers, Nurses, Fellows, Residents:
\$75 by 11/15/21; **\$110** after 11/15/21*

*Prices above reflect discount of \$6 for payment by cash or check. Please add \$6 for Visa/MC/AMEX payment.

LIVE Zoom CME Webinars

Session 1

Saturday, 12/4/21
8:00am - 11:30am EST

Session 2

Monday 12/6/21
6:30pm - 9:00pm EST

Session 3

Wednesday 12/8/21
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Through 1/18/22

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- 7.25 SDMS Credits
- 7.25 ABIM Medical Knowledge MOC Points for physicians who certify through ABIM

Name _____

Degree _____ Gender ☐ M ☐ F

Email address to which unique program link should be sent _____

For MOC Points Only

Date of Birth _____ ABIM ID# _____

Clinical Position _____

Clinical Affiliation Name _____

Phone _____ Fax _____

Mailing Address _____

City _____ State _____ Zip _____

Is this address work? _____ Home? _____ Other? _____

Important Notes:

You MUST register in advance to attend the sessions.

Register online at cvphiladelphia.org

Please make checks payable to:

Cardiovascular Institute of Philadelphia

P.O. Box 56598 • Philadelphia, PA 19111

Phone: 215-389-2300 • Fax: 215-389-5450

Course Registration Cancellation Policy:

Requests in writing for refunds, less \$35 administrative fee, by November 22, 2021 processed after the meeting. Registrations are transferable with prior notification to CVI by November 22, 2021.

Order	Early Bird Discount	Regular Price	Total
Physicians & Industry Registration	____ @ \$164 (by 11/15/21)	____ @ \$199 (after 11/15/21)	\$ _____
ABIM MOC Points – requires additional attestation, post program evaluation and test questions	N/A	____ @ \$50	\$ _____
Mid-Level Providers, Nurses, Fellows, Residents	____ @ \$75 (by 11/15/21)	____ @ \$110 (after 11/15/21)	\$ _____
Pay by Visa/MC/Amex	Add \$6 per registration	Add \$6 per registration	\$ _____
Apple iPad Drawing Entry	FREE		FREE
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FREE Apple iPad Drawing

In order to be entered into the FREE Apple iPad Drawing, you must:

- Register and pay for the 8th Annual Role of Cardiac Imaging in Women by 5:00pm on Monday, November 15, 2021
- Submit your fully completed online program evaluation for the 8th Annual Role of Cardiac Imaging in Women by 5:00pm on Friday, December 31, 2021.
- And you are entered to win... **It's as easy as that!** Winner will be contacted via email.