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See inside for details



9th Annual Role of Multi-Modality Cardiac Imaging in Women

Saturday, December 3, 2022

The Westin Mount Laurel
555 Fellowship Rd, Mt Laurel, NJ

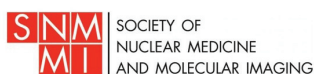


Keynote Presentation:

Cardiovascular Morbidity and Mortality: Why is This Still a Great Burden for Women in 2022

Gina Price Lundberg, MD
Clinical Director, Emory Women's Heart Center
Emory University School of Medicine

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



In partnership with



Register online at www.cviphiladelphia.org

Why You Should Attend

Deborah Heart and Lung Center (Deborah) and Cardiovascular Institute of Philadelphia's (CVI) 9th Annual Role of Multi-Modality 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. Our agenda features a Keynote Presentation by Dr. Gina Price Lundberg on The Ongoing Burden of Cardiovascular Morbidity and Mortality for Women in 2022. Additional focus topics include:

Assessing CV Risk in Women; Risk & Management of Hypertension in Pregnancy; INOCA & MINOCA; SCAD; Imaging to Diagnose & Manage Takotsubo in Women; Stress Echo in 2022; Cardiac Imaging in Cardio Oncology; Applications of Myocardial Strain Imaging; AI to Improve Efficiency and Accuracy in Echo; Setting Up a Cardiac Sarcoidosis Program; Modernizing Nuclear Lab Equipment and Software to Better Meet the Needs of Women; Role of Nuclear Imaging in Diagnosing Women with Chest Pain.

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 9th Annual Role of Multi-Modality Cardiac Imaging in Women, attendees will be better able to:

- Identify sex-specific risk factors for cardiovascular disease in women across the life course
- Use risk prediction calculators and risk enhancers to estimate cardiovascular risk in women
- Describe the role of imaging tests to detect subclinical cardiovascular disease
- Describe the maternal risks of HTN in pregnancy
- Explain the appropriate management of HTN in pregnancy
- Outline the latest study findings related to HTN in pregnancy such as the CHAPS trial
- Review the historical data on CVD in Women and identify hurdles to improving outcomes
- Review current guidelines for CVD in Women and implementation of optimal therapies
- Explore the future models for improving CVD in Women, addressing gaps in care and call to action for achieving health equity
- Review the epidemiology and pathophysiology of MINOCA
- Discuss contemporary approaches to diagnosis and management of MINOCA
- Review the epidemiology of INOCA and approach to clinical evaluation and treatment
- Recognize historical clinical features associated with spontaneous coronary artery dissection
- Develop appropriate diagnostic evaluation for patients with probable spontaneous coronary artery dissection
- Identify appropriate physical activity recommendations for patients with prior spontaneous coronary artery dissection
- Describe the current epidemiology of Takotsubo cardiomyopathy
- Select which imaging techniques are important for diagnosis and management in the acute phase
- Select which imaging techniques are important for management and prognosis in the post-acute phase
- Identify the advantages and disadvantages of cardiac imaging modalities used to evaluate cardiac function in cardio-oncology patients
- Define the advantages of strain over LVEF, be aware of its limitations, and apply the use of strain in cardio-oncology
- Characterize the main cardiovascular effects of newer therapies such as TKI and immunotherapy
- Describe the applications of left ventricular strain in patients undergoing chemotherapy
- Discuss the limitations of myocardial strain
- Describe other applications of myocardial strain used in non-oncological patients
- Discuss the use of AI methods for chamber quantification and cardiac function assessment

- Discuss the use of AI methods for augmenting medical decision making
- Compare and contrast 'black-box' vs. 'interpretable AI' methods for discovering new diagnostic methods and therapies for cardiovascular diseases
- Describe the advantages and limitations of stress echocardiography
- Select the best stress echo measurements and methodology for a given situation
- Analyze and report findings to maximize clinical utility of stress echo
- Utilize imaging for the evaluation of cardiac sarcoidosis
- Identify patients with cardiac sarcoidosis at increased risk of ventricular arrhythmias
- Identify patients with cardiac sarcoidosis who may benefit from immunosuppressive therapy
- Explain the differences in ischemic heart disease phenotypes between men and women
- Recognize the limitations of traditional nuclear cardiology equipment used for diagnosis of CAD in women
- Describe new equipment, technology and techniques that can be used to diagnose ischemic heart disease among women and for reducing radiation exposure.
- Outline the best diagnostic nuclear imaging strategy for women presenting with stable chest pain
- Illustrate how novel technology in SPECT and PET imaging can be applied in the diagnosis of CAD in women
- Recognize the gender differences in the presentation of chest pain

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

Please note: physicians accrediting through AOA will receive an AMA certificate of attendance which they may submit to the AOA for a maximum of 7.25 credits in category 2A of the American Osteopathic Association.

Advanced Practice Providers, Nurses and all other health care professional attendees will also receive an AMA certificate of attendance for a maximum of 7.25 credit hours to be submitted to their respective accreditation bodies.

SDMS: Deborah Heart and Lung Center and Cardiovascular Institute of Philadelphia's 9th Annual Role of Cardiac Imaging in Women CME Program has been approved for 7.25 Credits by SDMS.

SNMMITS VOICE Accreditation Information:

The SNMMI, through its Verification of Involvement in Continuing Education (VOICE) program, has approved this meeting for a maximum of 7.25 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%.

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 7.0 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

Director of Non Invasive Cardiac Imaging
Director of the Women's Heart Center
Co -Director of the Adult Congenital Heart Disease program,
Deborah Heart and Lung Center, NJ

Clinical Associate Professor of Medicine
Department of Medicine, Division of Cardiology,
Thomas Jefferson University, Philadelphia PA

Keynote Speaker

Gina Price Lundberg, MD

Clinical Director, Emory Women's Heart Center
Associate Professor of Medicine, Division of Cardiology
Emory University School of Medicine
Chair, ACC Women in Cardiology Leadership Council

Faculty

Benedicte Lefebvre, MD

Assistant Professor of Clinical Medicine
Division of Cardiovascular Medicine
Hospital of the University of Pennsylvania

Jennifer Lewey, MD, MPH

Assistant Professor of Medicine
Director, Penn Women's Cardiovascular Health Program
Co-Director, Pregnancy and Heart Disease Program
University of Pennsylvania Perelman School of Medicine

Amit Patel, MD

Julian Ruffin Beckwith Distinguished Professor of Medicine
Director, Cardiac Imaging
Director, Cardiac MRI and CT
University of Virginia

Krishna Patel, MD, MSc

Assistant Professor of Medicine (Cardiology) and
Population Health Science and Policy
Icahn School of Medicine at Mount Sinai
Director of Cardiac PET, Mount Sinai Morningside

Patricia Pellikka, MD

The Betty Knight Scripps Professor of
Cardiovascular Disease Clinical Research,
Director, Ultrasound Research Center, Mayo Clinic
Incoming Editor-in-Chief, Journal of the
American Society of Echocardiography

Marielle Scherrer-Crosbie, MD, PhD

Professor of Medicine
Director, Cardiac Ultrasound Laboratory
Hospital of the University of Pennsylvania

Partho Sengupta MBBS, MD

Professor, Department of Medicine
Chief of Cardiology, Robert Wood Johnson Medical School
Chief of Cardiology Service Line,
Robert Wood Johnson University Hospital
New Brunswick, NJ

Nathaniel Smilowitz, MD, MS

Assistant Professor of Medicine
Leon H. Charney Division of Cardiology
Department of Medicine
NYU Grossman School of Medicine
NYU Langone Health
VA New York Harbor Health Care System

M. Barbara Srichai-Parsia MD, MS

Professor of Medicine & Radiology
Vice Chief of Cardiology
Georgetown University
Medstar Georgetown University Hospital
Medstar Heart & Vascular Institute

Malissa Wood, MD

Co-Director Corrigan Women's Heart Health Program
Associate Chair of Cardiology for Diversity and Health Equity
Massachusetts General Hospital

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.

In-Person Program Agenda

9th Annual Role of Multi-Modality Cardiac Imaging in Women

7.25 CME/CEU/SDMS/VOICE Credits • 7.0 ABIM Medical Knowledge MOC Points

♥ = ABIM – MOC ELIGIBLE SESSION

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

Welcome and Overview

Renee Bullock-Palmer, MD 7:45am – 8:00am

♥ Assessment of Cardiovascular Risk in Women From Child-Bearing Years through Post Menopause: What the Cardiologist Needs to Know

Jennifer Lewey, MD 8:00am – 8:30am

♥ Risks and Management of Hypertension in Pregnancy: What Do the Latest Studies Tell Us (CHAPS Trial)

Renee Bullock-Palmer, MD 8:30am – 9:00am

Keynote Presentation

♥ Cardiovascular Morbidity and Mortality: Why is This Still a Great Burden for Women in 2022

Gina Lundberg, MD 9:00am – 9:45am

♥ Panel Discussion & Q/A

Panel 9:45am – 10:00am

BREAK

♥ Diagnosis and Management of INOCA and MINOCA

Nathaniel Smilowitz, MD 10:30am – 11:00am

♥ Diagnosis and Management of Spontaneous Coronary Artery Disease (SCAD) in Women

Malissa Wood, MD 11:00am – 11:30am

♥ Is There a Role for Cardiovascular Imaging in the Diagnosis and Management of Takotsubo Cardiomyopathy in Women

M. Barbara Srichai-Parsia, MD 11:30am – 12:00pm

♥ Stress Echocardiography in 2022: How Can We Make a Good Thing Even Better

Patricia Pellikka, MD 12:00pm – 12:30pm

LUNCH

♥ The Role of Cardiac Imaging in Cardio-Oncology

Marielle Scherrer Crosbie, MD 1:15pm – 1:45pm

♥ Best Practices and Applications of Myocardial Strain Imaging in the Echo Lab – Case Based

Benedicte Lefebvre, MD 1:45pm – 2:00pm

♥ How Artificial Intelligence Can be Used to Improve Efficiency and Accuracy in Echocardiography

Partho Sengupta, MD 2:00pm – 2:30pm

♥ Nuts and Bolts of Setting Up a Cardiac Sarcoidosis Imaging Program: What Does the Cardiologist Need to Know

Amit Patel, MD 2:30pm – 3:00pm

♥ How Nuclear Labs Can Modernize Their Equipment and Software to Meet the Diagnostic Needs of Female Patients in 2022 and Beyond

Krishna Patel, MD 3:00pm – 3:30pm

♥ The Role of Nuclear Imaging in the Diagnosis of Women with Chest Pain

Renee Bullock-Palmer, MD 3:30pm – 4:00pm

Review and Close

Renee Bullock-Palmer, MD 4:00pm – 4:15pm

Make Yourself a Note to Save These Dates!

Register for CVI
CME/CEU/SDMS/
VOICE Programs

CVI's 6th Annual Cardiology Fellows Program:

What Every Fellow Needs to Know
About Interventional Cardiology

Friday & Saturday,
February 3 & 4, 2023

Hilton Philadelphia at Penn's Landing

CVI's 29th Annual Cardiology Update: Clinical Management of Heart Disease 2022

Sunday,
October 30, 2022

Hilton Philadelphia, Penn's Landing

CVI and Deborah's 9th Annual Cardiac Imaging in Women

Saturday,
December 3, 2022

Westin, Mt. Laurel, NJ

CVI's 15th Annual Echocardiography Update

Sunday,
January 15, 2023

Loews Philadelphia Hotel

CVI's Inaugural Philadelphia Heart Failure Symposium

Sunday,
April 30, 2023

Loews Philadelphia Hotel

CVI's 19th Annual Update in Nuclear Cardiology

Sunday,
March 26, 2023

Loews Philadelphia Hotel

CVI's 12th Annual Electrophysiology/ Arrhythmia Management Update

Sunday,
February 26, 2023

Hilton Philadelphia, Penn's Landing

At CVI, your safety is our goal!

We continue our commitment to the health, safety and well-being of all of our Health Care Heroes who choose to join us for CVI programs. With that in mind, we pledge to make every effort to reduce the spread of Covid and other viruses at CVI events.

- **All registrants, faculty, exhibitors and staff are required to upload proof of Covid vaccination prior to attending any CVI program**
- Although not required, we welcome guests to wear masks inside when not actively eating, drinking or speaking from the podium
- We use a color-coded system on name tags to disclose your preferences to interact fully — interact at a distance — or to remain fully distanced during your time with us.
- We require that our host facilities increase the number of restroom cleanings throughout the day
- Hand sanitizer is available throughout the meeting space
- In the meeting space, seating will be spaced out as much as possible
- You will have the option of eating your lunch in a dining room setting, or taking it back to your individual conference seat, to allow for increased distancing

We welcome your additional suggestions as to how we can make our in-person programming as safe as possible for you and all of our guests.

For more information on CVI In-Person Safety Protocols, and details about all of our in-person and virtual programs, please visit us online at cviphiladelphia.org.

Watch your email – or visit us online at cviphiladelphia.org for more details!



Registration Form

CVI/Deborah's 9th Annual Role of Multi-Modality
Cardiac Imaging in Women 2022

Saturday 12/3/2022 • Westin Hotel, Mount Laurel NJ

Registration Fees

Be an early bird ... sign up and pay your registration by Tuesday, Nov. 15, 2022 and **SAVE \$50** off your registration fee!

- Physicians and Industry: **\$149** by 11/15/22; **\$199** after 11/15/22*
- Fellows & Residents: **\$75** by 11/15/22; **\$125** after 11/15/22*
- Advanced Practice Providers, Nurses: **\$75** by 11/15/22; **\$125** after 11/15/22*

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

Registrants are required to upload proof of vaccination with registration.

By registering, you agree to upload proof of your COVID vaccination. You will receive an email with a link to upload the proof. Without proof of COVID vaccination, you will not be permitted to enter the meeting space, will not receive CME/CEU credits and will not be eligible for a refund of the registration fees. We appreciate your compliance.

Syllabus

Several days prior to the program, syllabus including presentations will be available for download from a secure website. At the conference, neither printers nor electrical outlets are available for attendee use. Faculty PowerPoint presentations are for the use of course attendees only, pre and post conference. This material may not be used, shared nor distributed electronically.

Name _____

Degree _____ Gender ☐ M ☐ F

Email address: _____

For MOC Points Only

Date of Birth _____ ABIM ID# _____

Clinical Position _____

Clinical Affiliation Name _____

Phone _____ Fax _____

Mailing Address _____

City _____ State _____ Zip _____

Important Notes:

You MUST register in advance to attend the sessions. Register online at cviphiladelphia.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 18, 2022** processed after the meeting. Registrations are transferable with prior notification to CVI by **November 18, 2022**.

Order	Early Bird Discount	Regular Price	Total
Physicians & Industry Registration	____ @ \$149 (by 11/15/22)	____ @ \$199 (after 11/15/22)	\$ _____
ABIM MOC Points – requires additional attestation, post program evaluation and test questions	N/A	____ @ \$50	\$ _____
Fellows, Residents, Trainees	____ @ \$75 (by 11/15/22)	____ @ \$125 (after 11/15/22)	\$ _____
Training Program Name: (Must be included to receive this rate)			
Advanced Practice Providers, Nurses	____ @ \$75 (by 11/15/22)	____ @ \$125 (after 11/15/22)	\$ _____
Pay by Visa/MC/Amex	Add \$6 per registration	Add \$6 per registration	\$ _____
Apple iPad Drawing Entry	FREE		FREE
GRAND TOTAL			\$ _____

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Signature _____

FREE Apple iPad Drawing

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

- Register and pay for CVI/Deborah's 9th Annual Role of Multi-Modality Cardiac Imaging in Women by 5:00pm on Tuesday, 11/15/2022.
- Submit your fully completed online program evaluation for CVI/Deborah's 9th Annual Role of Multi-Modality Cardiac Imaging in Women by 5:00pm on Thursday, 12/27/2022.
- And you are entered to win... **It's as easy as that!** Winner will be contacted via email.