THE 41ST ANNUAL

ECHO

NORTHWESTERN 2019

SEPTEMBER 20-22, 2019

Northwestern Memorial Hospital
Feinberg Conference Center
251 East Huron Street, 3rd Floor
Chicago, Illinois 60611

SPONSORED BY
Northwestern University Feinberg School of Medicine
Office of Continuing Medical Education
and Bluhm Cardiovascular Institute at Northwestern Medicine

THIS ACTIVITY HAS BEEN APPROVED FOR
22.5 AMA PRA CATEGORY 1 CREDITS™

REGISTER TODAY! www.cme.northwestern.edu
PROGRAM INFORMATION

Principles of echocardiography will be reviewed and advances will be demonstrated through lectures and case studies. Participants will be exposed to all aspects of basic and advanced echocardiography. Daily sessions will be devoted to state of the art lectures on advances in echocardiography and specific application to the following states:

- Heart Failure
- Interventional Echocardiography
- Valvular Heart Disease
- Coronary Artery Disease
- Congenital Heart Disease
- Strain Imaging

The following aspects of echocardiography will be covered:

- 2D Echocardiography
- Spectral and Color Doppler
- Transesophageal Echocardiography
- 3D Echocardiography
- Stress Echocardiography
- Contrast Echocardiography
- Tissue Doppler, Strain/Strain Rate
- Common Congenital Heart Disorders

Case studies will be interspersed throughout each of the lectures to emphasize the importance and clinical utility of each technique discussed. The case studies will emphasize different topics in echocardiography that are seen in daily practice.

LEARNING OBJECTIVES

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

1. Apply the recommendations for the echocardiographic evaluation of left ventricle function to clinical practice.
2. Explain the role of echo in the treatment of heart failure.
3. Use strain imaging to assess cardiac function in various pathological states.
4. Discover updated methodology to assess diastolic function using the recently updated ASE Guidelines.
5. Assess patients with valvular disorders using the most recent ACC/AHA guidelines for valvular heart disease.
6. Recognize different echocardiographic methods to assess Right Ventricular structure function. Cite the strengths and weakness of these techniques including complementary technologies: CT and MRI.
7. Discuss the clinical classification of pulmonary hypertension, its implications for the patient and how echo can help in assessing its severity and guide management of patients with the condition.
8. Evaluate how 3D echo works and express limitations and potential applications as it relates to daily practice and patient management.
9. Assess the uses of echo contrast agents (imaging enhancing agents) and how to incorporate the use of the agents into a busy echo lab.
10. Review of varying disease states that can be evaluated with stress echo.
11. Evaluate the role of echo in the diagnosis and treatment of patients with aortic stenosis.
12. Recognize the pathology and the basics of echocardiographic assessment of patients with common congenital heart lesions.
13. Review the role of echo in surgical and percutaneous treatments of aortic stenosis and mitral regurgitation.
15. Review the role of echo in guiding other percutaneous procedures such as left atrial appendage closure and alcohol septal ablations.

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TARGET AUDIENCE
This continuing medical education program is designed to meet the educational needs of cardiologists, cardiology fellows, surgeons, sonographers and nurses who have a need for echo expertise. A minimum of three months experience in echocardiography and knowledge of basic transesophageal anatomy and physiology of the heart is required.

CONFERENCE LOCATION
The program will be held in the 3rd Floor Feinberg Conference Center, Northwestern Memorial Hospital, 251 E Huron Street, Chicago IL, 60611. For directions and parking information, please visit www.nm.org. Discounted parking is available at the Huron-St. Clair Garage, located at 222 East Huron Street or the Erie-Ontario Garage, located at 321 East Erie Street. Please see the registration table for parking validation.

ACCREDITATION STATEMENT
The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT
The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 22.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC POINTS
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 22.5 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.

FACULTY DISCLOSURE
The Northwestern University Feinberg School of Medicine requires course directors, speakers, instructors, planners and other individuals who are in a position to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations are thoroughly vetted by Northwestern University FSM for fair balance. The faculty disclosures will be indicated in the course syllabus.

SPECIAL NEEDS
The Feinberg School of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference is in need of accommodation please indicate those needs on the registration form or submit a written request to the Office of CME at least one month prior to the conference date.

HOTEL
Hyatt Centric Chicago Magnificent Mile
633 North Saint Clair Street
Chicago, IL 60611

Rooms have been reserved at a reduced rate of $249.00 single/double, plus tax. Please contact the hotel directly at 877-803-7534 and mention Echo Northwestern or visit www.hyatt.com/en-US/group-booking/CHIMM/G-DAEC to reserve your room. To receive the reduced room rate, reservations must be made by August 22, 2019. Reservations made after this date are subject to availability and regular hotel rates. The room block may fill prior to the cutoff date, so be sure to make your arrangements early. Please note we do not validate hotel parking.

ADDITIONAL INFORMATION
For additional program information please visit http://northwestern.cloud-cme.com or email us at cvconferences@northwestern.edu.
FACULTY

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NORTHWESTERN UNIVERSITY FEINBERG SCHOOL OF MEDICINE FACULTY

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Northwestern Adult Congenital Heart and Marfan Center
Women’s Cardiovascular Health of the Bluhm Cardiovascular Institute

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Medical Director, Cardiac Catheterization Lab
Associate Professor of Medicine

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Director, Heart Failure with Preserved Ejection Fraction Program

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Associate Director, Bluhm Cardiovascular Institute
Vice Dean, Diversity & Inclusion
Magerstadt Professor of Medicine
Professor of Medical Social Sciences

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Health System Clinician

NORTHWESTERN MEDICINE STAFF

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Bonnie Kane, BS, RDCS, FASE

Robert Schultz, MS, RCS
Inga Vaitenas, ACS, FASE

REGISTER TODAY! www.cme.northwestern.edu
FRIDAY, SEPTEMBER 20, 2019

8:00 am REGISTRATION AND BREAKFAST

SESSION I: VALVULAR HEART DISEASE

MODERATOR: James Thomas, MD, FASE

9:00 am A Tale of Two Valves: Functional vs Degenerative MR
Judy Hung, MD, FASE

9:45 am Echo Quantification of Valvular Regurgitation
James Thomas, MD, FASE

10:05 am 3D Echo for Valvular Anatomy and Hemodynamic Assessment
Judy Hung, MD, FASE

10:30 am REFRESHMENT BREAK AND EXHIBITS

11:00 am Tricuspid Valve Disease: The New Frontier
Jyothy Puthumana, MD, FASE

11:20 am Percutaneous Options for Mitral and Tricuspid Valve Disease
Mark Ricciardi, MD

11:40 am Imaging Guidance for Percutaneous Mitral Valve Procedures
Akhil Narang, MD

12:00 pm LUNCH AND EXHIBITS

1:00 pm Contemporary Surgical Management of Valve Disease
Patrick McCarthy, MD

1:30 pm MV/TV Cases with Panel Discussion
Madeline Jankowski, BS, RDCS, FASE
Kameswari Maganti, MD, FASE
Vera Rigolin, MD, FASE
Brent White, MD
Panel: Charles Davidson, MD
Judy Hung, MD, FASE
Patrick McCarthy, MD
Mark Ricciardi, MD
James Thomas, MD, FASE

SESSION II: VALVULAR HEART DISEASE CONTINUED...

MODERATOR: Vera Rigolin, MD, FASE

2:30 pm How do I Decide If My Patient Should Undergo TAVR or SAVR?
Ranya Sweis, MD

2:50 pm AV Cases with Panel Discussion
Waleed Ahmed, MD
Nadia El Hangouche, MD
Brian Fey, BA, RDCS(AE/PE), ACS, FASE
Panel: Judy Hung, MD, FASE
Patrick McCarthy, MD
Vera Rigolin, MD, FASE
Ranya Sweis, MD
James Thomas, MD, FASE

3:30 pm Prosthetic Valve Show and Tell
David Mehlman, MD, FASE

4:15 pm REFRESHMENT BREAK AND EXHIBITS

SESSION III: BREAKOUT WORKSHOPS

4:30 pm 3D Echo: How To & Case Examples
Northwestern Memorial Hospital and Northwestern University Feinberg School of Medicine Faculty and Staff

SATURDAY, SEPTEMBER 21, 2019

7:30 am REGISTRATION AND BREAKFAST

SESSION IV: CONGENITAL HEART DISEASE: MITRAL VALVE DISEASE

MODERATOR: Andrew de Freitas, MD

8:00 am Anatomy of the Mitral Valve
Saroja Bharati, MD

8:25 am How do I Use Echo for a Pregnant Patient with mitral Valve Disease?
Marla Mendelson, MD

8:40 am Imaging for Congenital Mitral Anomalies
Andrew de Freitas, MD

9:00 am Case Presentations: Congenital Mitral Valve Disorders
Lisa Forbess, MD

9:20 am Novel Surgical Treatment of Mitral Valve Disorders
Joseph Forbess, MD, MBA

9:40 am Q&A

10:00 am REFRESHMENT BREAK AND EXHIBITS

SESSION V: THE RIGHT VENTRICLE AND PULMONARY HYPERTENSION

MODERATOR: David Mehlman, MD, FASE
AGENDA

10:30 am  Anatomy and Function of the Right Ventricle
David Mehlman, MD, FASE

10:50 am  Imaging For Evaluation of Pulmonary Hypertension
Benjamin Freed, MD, FASE

11:10 am  Cases:
Juliet Ryan, BS, RDGS, FASE
Robert Schultz, MS, RCS
Panel:  Asra Azizuddin, RDGS
Benjamin Freed, MD, FASE
David Mehlman, MD, FASE

12:00 pm  LUNCH AND EXHIBITS
SESSION VI: ULTRASOUND ENHANCING AGENTS, STRESS ECHO AND BEYOND
MODERATOR:  Kameswari Maganti, MD, FASE
1:00 pm  Stress Echo Basics and Beyond
William Armstrong, MD
1:30 pm  Hemodynamic Stress Echo Cases
Kameswari Maganti, MD, FASE
1:50 pm  The Athletes Heart: How echo helps
Allison Zielinski, MD
2:10 pm  Five Common Mistakes to Avoid
William Armstrong, MD
2:30 pm  Hepatic and Pulmonary Veins
Micah Eimer, MD
2:50 pm  The ABCs of Ultra Enhancing Agents
Patricia Vassallo, MD, FASE
Bonnie Kane, BS, RDGS, FASE
3:30 pm  Q&A
3:45 pm  REFRESHMENT BREAK AND EXHIBITS
SESSION VII: BREAKOUT WORKSHOPS
4:00 pm  Strain: How To & Case Examples
Northwestern Memorial Hospital and Northwestern University Feinberg School of Medicine Faculty and Staff

SUNDAY, SEPTEMBER 22, 2019

7:30 am  REGISTRATION AND BREAKFAST
SESSION VIII: HEART FAILURE
MODERATOR:  Issam Mikati, MD, FASE
8:00 am  Systolic Function Is More than Ejection Fraction
Issam Mikati, MD, FASE

8:20 am  Demystifying Diastology
Sanjiv Shah, MD, FASE

8:40 am  What is Strain and How do I Use It?
James Thomas, MD, FASE

9:00 am  Heart Failure Cases
Fei Fei Gong, MD
Andrew Peters, MD
Panel:  Issam Mikati, MD, FASE
Sanjiv Shah, MD, FASE
James Thomas, MD, FASE
Clyde Yancy, MD, MSc

9:30 am  REFRESHMENT BREAK AND EXHIBITS
10:00 am  I Want to Start a Cardio-oncology Program – How do I do It?
Nausheen Akhter, MD, FASE
10:20 am  Strain and 3D Echo Surveillance during Chemotherapy: How, when, what does it mean?
Paaladinesh Thavendiranathan, MD, MSc, FASE

11:00 am  Cardio-Oncology Cases
Asra Azizuddin, RDGS
Inga Vaitenas, ACS, RCS, RCCS, FASE
Panel:  Nausheen Akhter, MD, FASE
Issam Mikati, MD, FASE
Paaladinesh Thavendiranathan, MD, MSc, FASE

12:00 pm  LUNCH AND EXHIBITS
SESSION IX: ECHO IN SYSTEMIC DISEASE
MODERATOR:  David Mehlman, MD, FASE
1:00 pm  Sarcoidosis
Vera Rigolin, MD, FASE
1:20 pm  Autoimmune Disorders
Sanjiv Shah, MD, FASE
1:40 pm  Infiltrative Diseases
Benjamin Freed, MD, FASE
2:00 pm  Interesting Cases
Robert Silverberg, MD
2:20 pm  Handheld Echo & Echo Simulator
Russell Horowitz, MD, RDMS
Jyothy Puthumana, MD, FASE
3:00 pm  REFRESHMENT BREAK AND EXHIBITS
SESSION X: BREAKOUT WORKSHOPS
3:30 pm  Echo Jeopardy!
Northwestern Memorial Hospital and Northwestern University Feinberg School of Medicine Faculty and Staff

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ECHO NORTHWESTERN 2019

REGISTRATION FEE

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On-site registration will be available via CHECK ONLY, however, we strongly encourage you to register in advance.

HOW TO REGISTER

✔ ONLINE - Please visit www.northwestern.cloud-cme.com

✉ MAIL - Mail the registration form with a check made payable to Northwestern University
Attn: Heather Munn
251 East Huron Street
Feinberg 8-504
Chicago, Illinois 60611

CANCELLATION POLICY
Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration fee, minus $50, will be refunded if cancellation is received by August 16, 2019. No refunds will be issued thereafter.

QUESTIONS
Questions regarding registration should be directed to cvconferences@northwestern.edu. Registrations will not be accepted by telephone.

PLEASE TYPE OR PRINT

Last Name  First Name

☐ MD  ☐ DO  ☐ PhD  ☐ RN  ☐ Other (please specify)

Address

City  State  ZIP Code

Daytime Phone  Fax

E-mail (Required)  Your registration confirmation will be e-mailed

Specialty

Please indicate any special needs

Please indicate any dietary needs
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NORTHWESTERN 2019

SEPTEMBER 20-22, 2019
Northwestern Memorial Hospital
Chicago, Illinois

SAVE THE DATE!

(New!) Heart Team Summit
October 18-19, 2019 | Chicago, Illinois

15th Annual Heart Failure Holiday Symposium
December 6-7, 2019 | Chicago, Illinois

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