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THE 43RD ANNUAL CONTINUES TO SERVICE TO SER

NORTHWESTERN 2021

GUEST SPEAKERS

Federico Asch, MD, FASE
Ana Barac, MD, PhD
Muhamed Saric, MD, PhD, FASE
Lissa Sugeng, MD, MPH, FASE

THIS LIVE ACTIVITY HAS BEEN APPROVED FOR

5.25 AMA PRA CATEGORY 1 CREDITS™ WITH AN ADDITIONAL **12.75** ENDURING CREDITS AVAILABLE!

VIRTUAL FORMAT

SATURDAY, SEPTEMBER 18, 2021

SPONSORED BY

Northwestern University Feinberg School of Medicine Office of Continuing Medical Education and Bluhm Cardiovascular Institute at Northwestern Medicine **REGISTER TODAY!**

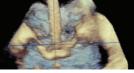
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THE 43RD ANNUAL

NORTHWESTERN 2021

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.
- Explain the role of echo in the treatment of heart failure.
- Use strain imaging to assess cardiac function in various pathological states
- Discover methodology to assess diastolic function using the ASE diastology guidelines.
- Assess patients with valvular disorders using the most recent ACC/AHA guidelines for valvular heart disease and the ASE guidelines for the assessment of native valve regurgitation, native valve stenosis, prosthetic valve function and percutaneous devices.

- 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.
- 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.
- 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. Evaluate the role of echo in the diagnosis and treatment of patients with aortic stenosis.
- 11. Recognize the pathology and the basics of echocardiographic assessment of patients with common congenital heart lesions.
- 12. Review the role of echo in surgical and percutaneous treatments of aortic stenosis and mitral regurgitation.
- 13. Review the role of echo in new percutaneous treatment of tricuspid regurgitation.
- 14. Review the role of echo in guiding other percutaneous procedures such as left atrial appendage closure.
- 15. Appreciate the critical role of echo in the cardio-oncology patient.

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.

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.

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 5.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of the their participation in the activity.

*In addition to the live activity, 12.75 hours of enduring material will be available to all registrants.

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.

A website link to the one day live program will be sent out to registered participants one week prior to the conference date. Links to the pre-recorderd sessions will be available at a later date.

ADDITIONAL INFORMATION

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



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Issam Mikati, MD, FASE

Professor of Medicine Northwestern University Feinberg School of Medicine

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GUEST FACULTY

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NORTHWESTERN UNIVERSITY **FEINBERG SCHOOL OF MEDICINE FACULTY**

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Assistant Professor of Medicine Northwestern University Feinberg School of Medicine

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Vice Dean for Diversity and Inclusion Chief, Cardiology, Department of Medicine Magerstadt Professor Professor of Medicine (Cardiology) and Medical Social Sciences Northwestern University Feinberg School of Medicine

Allison Zielinski, MD

Health System Clinician (Cardiology) Northwestern University Feinberg School of Medicine

NORTHWESTERN **MEDICINE STAFF**

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Milica Marion, RDCS

Shelley Navin, BA, RDCS, FASE, ACS Lauren Nelson, MPH, RDCS, FASE Juliet Ryan, BS, RDCS, FASE Nicole Schools, BS, RCS, RCCS

Robert Schultz, MS, RCS

SATURDAY, SEPTEMBER 18, 2021

RECORDED ENDURING LECTURES

LIVE SESSION:

MODERATOR: James Thomas, MD, FASE

9:00 am Valvular Heart Disease 2021:

State of the Art Patrick McCarthy, MD

9:15 am Update on Percutaneous Devices to Treat Structural Heart Disease

Charles Davidson, MD

9:30 am Treatment of Valvular Heart Disease

CASE PRESENTATIONS:
Akhil Narang, MD, FASE
Jyothy Puthumana, MD, FASE

PANEL:

Robert Bonow, MD, MS Charles Davidson, MD Patrick McCarthy, MD Vera Rigolin, MD, FASE Muhamed Saric, MD, PhD

Muhamed Saric, MD, PhD, FASE Lissa Sugeng, MD, MPH, FASE

10:30 am BREAK

MODERATOR:

Issam Mikati, MD, FASE

10:45 am What the Clinician Needs from

an Echo to Manage a Heart Failure Patient

Clyde Yancy, MD, MSc

11:00 am Heart Failure & Cardio-Oncology

CASE PRESENTATIONS:

Ewa Dembowski, MD

Brian Fey, BA, RDCS, (AE/PE), ACS, FASE

Ravi Patel, MD, MSc

PANEL:

Nausheen Akhter, MD, FASE

Ana Barac, MD, PhD Sanjiv Shah, MD, FASE Jane Wilcox, MD, MSc Clyde Yancy, MD, MSc 12:00 pm LUNCH BREAK

MODERATOR:

David Mehlman, MD, FASE

1:15 pm Strain/Cardio-Onc Workshop

Nausheen Akhter, MD, FASE

Greg Cascino, MD Mili Marion, RDCS

MODERATOR:

Vera Rigolin, MD, FASE

1:45 pm 3D Workshop

Keith Collins, MS, RDCS, FASE

O'Neil Mason, MD

Lissa Sugeng, MD, MPH, FASE

MODERATOR:

Benjamin Freed, MD, FASE

2:15 pm Miscellaneous Echo Topics

CASE PRESENTATIONS:
Bob Silverberg, MD
Allison Zielinski, MD

PANEL:

Federico Asch, MD, FACC, FASE Kameswari Maganti, MD, FASE Muhamed Saric, MD, PhD, FASE Patricia Vassallo, MD, FASE

3:15 pm Prosthetic Valve Teaser

David Mehlman, MD, FASE

3:30 pm Diastology Teaser

Kameswari Maganti, MD, FASE

VALVULAR HEART DISEASE SESSION

3D Echo: An Essential Tool for the Diagnosis and Management of Valvular Heart Disease

Lissa Sugeng, MD, MPH, FASE

Mitral Valve Disease Case Presentations with Panel Discussion

MODERATORS: Vera Rigolin, MD, FASE Gloria Ayuba, MD Robert Schultz, BS, RCS Akhil Narang, MD, FASE James Thomas, MD, FASE

Aortic Valve Disease Case Presentations with Panel Discussion

MODERATORS: Kameswari Maganti, MD, FASE Madeline Jankowski, BS, RDCS, FASE

Neela Thangada, MD James Flaherty, MD David Mehlman, MD, FASE

Tricuspid Valve Case Presentations with Panel Discussion

MODERATOR: James Thomas, MD, FASE Akhil Narang, MD, FASE Jyothy Puthumana, MD, FASE Taimur Safder, MD

Pulmonic Valve Case Presentation with Panel Discussion

MODERATOR: Andrew de Freitas, MD Benjamin Freed, MD, FASE O'Neil Mason, MD Shelley Navin, BA, RDCS, FASE, ACS

Prosthetic Valve Show and Tell

MODERATOR: David Mehlman, MD, FASE Juliet Ryan, BS, RDCS, FASE

RIGHT VENTRICLE AND PULMONARY HYPERTENSTION SESSION

Echo Guidance in Evaluation of the Right Heart and Pulmonary Hemodynamics

Muhamed Saric, MD, PhD, FASE

RV & PH Case Presentations with Panel Discussion

MODERATOR: Issam Mikati, MD, FASE

April Durham, BS, ACS, RCS Micah Eimer, MD

Benjamin Freed, MD, FASE

HEART FAILURE SESSION

Echo Essentials in Cardio-Oncology

Ana Barac, MD, PhD

State of the Art Lecture: Diastology is Not Always Indeterminate

Ravi Patel, MD, MSc

Strain Imaging: What is it and How do I Use it?

Sanjiv Shah, MD, FASE

HF Case Presentations with Panel Discussion

MODERATOR:

James Thomas, MD, FASE Alana Lewis, MD

Alana Lewis, MD Issam Mikati, MD, FASE Robert Silverberg, MD

ECHO IN CARDIO-OBSTETRICS SESSION

The Role of Echo before, During and After Pregnancy

Ewa Dembowski, MD

Post-Partum Cardiomyopathy: Where does Echo Help?

Marla Mendelson, MD

Arrhythmias in Pegnancy
Susan Kim, MD

Cardio-Obstetrics Case Presentations with Panel Discussion

MODERATOR: Vera Rigolin, MD, FASE Jennifer Banayan, MD

Ewa Dembowski, MD Sadiya Khan, MD, MSc Susan Kim, MD Priya Meta Freaney, MD

Marla Mendelson, MD Lauren Nelson, MPH, RDCS, FASE Bethany Stetson, MD CONGENTIAL HEART DISEASE SESSION

Imaging of the Patient with CHD

Andrew de Freitas, MD

CHD Case Presentation with Panel Discussion

MODERATOR:

Andrew de Freitas, MD

Brian Fey, BA, RDCS (AE/PE), ACS, FASE Nicole Schools, BS, RCS, RCCS

POTPOURI OF ECHO TOPICS SESSION

Artificial Intelligence: Are We Ready for Prime Time?

Akhil Narang, MD, FASE

Global Differences in Cardiac Chambers: Are all Hearts the Same?

Federico Asch, MD, FACC, FASE

Work Related Musculoskeletal Injuries in Sonographers

Keith Collins, MS, RDCS, FASE

POTPOURRI OF ECHO CASE PRESENTATIONS

MODERATOR:

Vera Rigolin, MD, FASE

Ultrasound Enhancing AgentsPatricia Vassallo, MD, FASE

Diseases of the AortaDavid Mehlman, MD. FASE

Pericardial Diseases Josh Callahan, BS, RDCS (AE/PE), FASE

COVID-19 Aftermath Kameswari Maganti, MD, FASE

Athlete's Heart

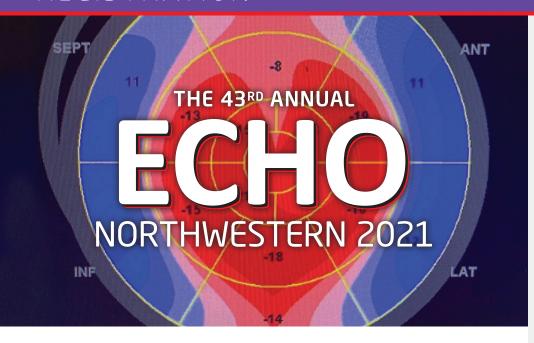
Allison Zielinski, MD

Hypertrophic Cardiomyopathy O'Neil Mason, MD

LVADS

Sarah Chuzi, MD

REGISTRATION



REGISTER TODAY!

REGISTRATION FEE

Physicians ☐ \$100

ASE Physicians □ \$80

Sonographers \square \$50

ASE Sonographers \Box \$40

Nurses, Residents, ☐ \$50 Fellows & Other HCPs

HOW TO REGISTER



ONLINE - Please visit www.cme.northwestern.edu

Registration will close Friday, September 17, 2021

QUESTIONS

Questions regarding registration should be directed to <u>cvconferences@northwestern.edu</u>.

Registrations will not be accepted by telephone.

CANCELATION POLICY

Cancellations must be in writing and sent to cvconferences@northwestern.edu. The paid registrations fee will be refunded if cancellation is received by **August 20, 2021**. No refunds will be issued after this date.

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SAVE THE DATES!

Your medical education is a life-long pursuit rooted in your commitment to excellence in your field. The Office of Continuing Medical Education at Northwestern University Feinberg School of Medicine promotes excellence in patient care and safety through accredited education activities based on up-to-date, clinically relevant, scientifically rigorous, evidence-based medical information.

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