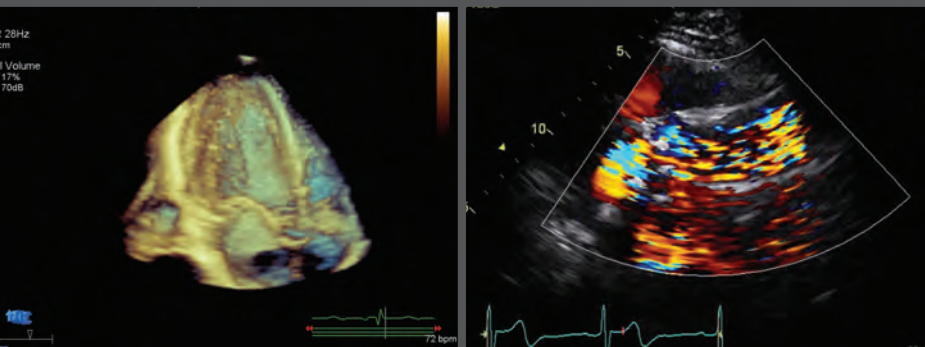


ECHO ASEAN

ANNUAL 2nd



ADVANCE PROGRAM

October 21-23, 2016
Conrad Bangkok Hotel
Bangkok, Thailand

Course Director

Jonathan R. Lindner, MD, FASE
Vice President, ASE
Oregon Health & Science University, Portland, Oregon

Course Co-Directors

James D. Thomas, MD, FASE
Past President, ASE
Northwestern Medicine, Chicago, Illinois

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National University Heart Centre, Singapore, Singapore

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Nithima Ratanasit, MD, FASE
Siriraj Hospital, Bangkok, Thailand

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Philippine Heart Center, Manila, Philippines

Teerapat Yingchoncharoen, MD, FASE
Ramathibodi Hospital/Mahidol University, Bangkok, Thailand

Register now at ASEcho.org/ASEAN



Program Information

Overview of Echo ASE ASEAN

The aim of the Echo ASE ASEAN Symposium is to provide cardiovascular practitioners with information on state-of-the-art echocardiography technology. This international meeting is led by expert faculty from the United States and the countries comprising the ASEAN region who are leaders in how echocardiography, and other forms of cardiac imaging, can be effectively applied to improve clinical care. The faculty will focus on the latest cardiovascular ultrasound technologies. Case-based learning approaches will be used to highlight new and established uses of echocardiography for diagnosis and guiding management in patients with a broad array of cardiovascular conditions. Topics include: advanced assessment of systolic and diastolic function, 3D/4D imaging, contemporary approaches to valve disease, guidance of interventional procedures, contrast echocardiography, congenital heart disease, ischemic heart disease, pericardial disease, and echo in arrhythmic disorders.

Learning Objectives

Upon completion of this program, participants will be able to:

- Integrate echocardiographic information in clinical decision-making for patients with a broad array of cardiovascular disease.
- Determine common manifestations of repaired and unrepaired adult congenital heart disease.
- Explain advances in echocardiographic assessment ventricular function and dysfunction.
- Quantitatively assess valve disease and understand the role of echo in valve disease management.
- Comprehensively describe echocardiographic measures of diastolic function and their pitfalls.
- Effectively apply echocardiography in the assessment of patients with ischemic heart disease.
- Identify the role of echocardiography in the guiding interventional procedures and in the perioperative setting.
- Integrate echocardiographic assessment of cardiomyopathies and systemic diseases in patient management.
- Define clinical uses of 3D and strain echocardiography.
- Be able to understand common manifestations of repaired and unrepaired adult congenital heart disease.
- Explain the key role echo plays in the evaluation of patients with arrhythmias, pericardial disease, and cardiac masses.

Who Should Attend

This course is designed for adult cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, fellows in training, cardiovascular sonographers, internists and intensive care specialists with special interest in clinical cardiology and echocardiography.

Accreditation and Designation

The American Society of Echocardiography is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Society of Echocardiography designates this live activity for a maximum of 19.50 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Successful completion of this CME activity enables the participant to earn up to 19.50 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.

Accommodations and Lodging Information

The Conrad Bangkok Hotel is located at 87 Wireless Road, Phatumwan, Bangkok, Thailand. To secure your room at the Conrad Bangkok Hotel, please call +66 2 690 9999 and state that you will be attending the Echo ASE ASEAN program. Online Reservations are also available by <http://bit.ly/27QNJAX>.

The room rate is THB 4,800 single / THB 5,300 double plus applicable taxes. Room rates include a daily buffet breakfast and in-room internet. The room block is scheduled to be held until September 13, 2016, but may be sold out before this date. Therefore, we advise you to register for the program and reserve your lodging as soon as possible. When you make your reservation, please be sure to ask about any additional fees, early departure fees or cancellation policies.

The Conrad Bangkok Hotel is easily accessible to a variety of nearby activities. Experience Thai cooking lessons, enjoy bowling, or explore the Suan Lum Night Bazaar. Stay active with morning and sunset jogs around the tranquil Lumpinee Park- only a short walk from the hotel. Golfers can maintain their skills on the nearby driving range and Muang Kaew Golf Course.

Bangkok began as a small trading centre and port community on the west bank of the Chao Phraya River some 200 years ago. The grandeur and glory of its illustrious past still prevails in the midst of a modern city. The impressive temples and spectacular palaces are awe inspiring with their beautiful architecture and intricate detail. The world-famous Damnoen Saduak floating market and Chinatown are colorful exotic places to experience the culture of the city.

“I was impressed by the presentations and topics that were discussed ... advanced my knowledge greatly. I am certain to attend another such meeting in the future!”

2015 Echo ASE ASEAN Attendee

Invited Faculty

Smonporn Boonyaratavej, MD

Chulalongkorn University
Bangkok, Thailand

Craig Broberg, MD

Oregon Health & Science University
Portland, Oregon

Loewe O. Go, MD

St. Luke's Medical Center
Manila, Philippines

Decho Jakrapanichakul, MD

Siriraj Hospital
Bangkok, Thailand

Rungsrit Kanjanavanit, MD

Maharaj Nakorn Chiang Mai Hospital
Chiang Mai, Thailand

Allan Klein, MD, FASE

President, ASE
Cleveland Clinic
Cleveland, Ohio

Ario S. Kuncoro, MD

National Cardiovascular Center
Harapan Kita Hospital
Jakarta, Indonesia

Roberto Lang, MD, FASE

Past President, ASE
University of Chicago Medical Center
Chicago, Illinois

Jonathan Lindner, MD, FASE

Vice President, ASE
Oregon Health & Science University
Portland, Oregon

Jae K. Oh, MD, FASE

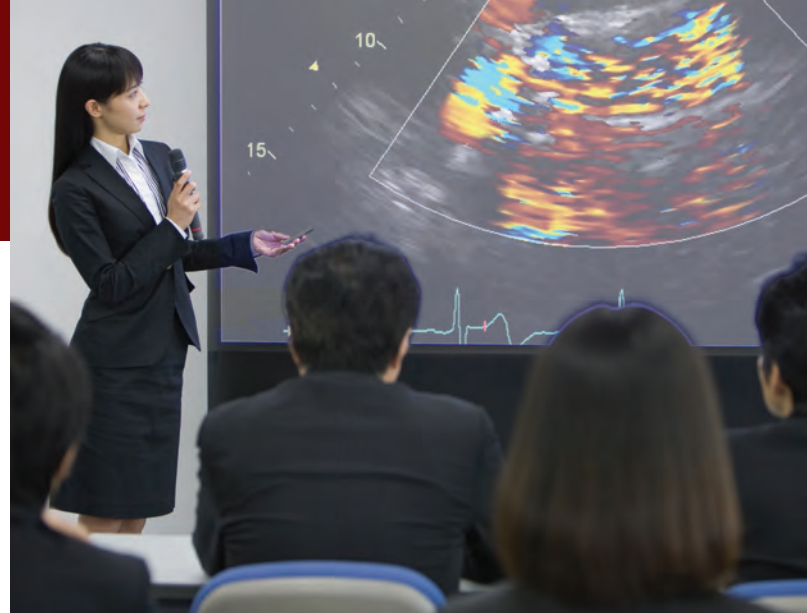
Mayo Clinic
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National Heart Centre
Singapore, Singapore

Edgar Tay, MBBS, MRCP

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Singapore, Singapore

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Northwestern Medicine
Chicago, Illinois

Edwin Tucay, MD

Philippine Heart Center
Manila, Philippines

Teerapat Yingchoncharoen, MD, FASE

Ramathibodi Hospital/Mahidol
University
Bangkok, Thailand



Schedule of Events

Friday, October 21, 2016

6:45 AM

Registration

7:45 AM

Welcome and Introduction
J. Lindner

Assessment of Systolic Function

Chairs: R. Kanjanavanit, A. Klein

8:00 AM

The Physiology of Systole
J. Thomas

8:20 AM

New Approaches to Systolic Function: 4D
R. Lang

8:40 AM

New Approaches to Systolic Function: Strain Imaging
J. Thomas

9:00 AM

Evaluation of Right Ventricular Function and Its Prognostic Value
S. Puwanant

9:20 AM

The Dyssynchronous Ventricle
K. Poh

9:40 AM

Evaluation of Patients with LVADs and Percutaneous Support Devices
T. Yingchoncharoen

10:00 AM

Question and Answer

10:20 AM

REFRESHMENT BREAK & VISIT EXHIBITS

Advanced Clinical Topics I

Chairs: N. Ratanasit, J. Tan

10:50 AM

Cardiotoxic Effects of Chemotherapeutic Drugs
A. Klein

11:10 AM

Cardiac Hypertrophy: Differentiating Disease from Athlete
A. Kuncoro

11:30 AM

Imaging Functional and Ischemic Complications of Diabetes
J. Lindner

11:50 AM

Question and Answer

12:10 PM

LUNCH & VISIT EXHIBITS



Valve Disease

Chairs: R. Lang, E. Tay

1:20 PM

Comprehensive Echo Assessment of Aortic Stenosis
S. Boonyaratavej

1:40 PM

Low-flow and Other Challenges to the Assessment of Aortic Stenosis
N. Ratanasit

2:00 PM

Evolving Role of Echo in TAVR
E. Tay

2:20 PM

New Approaches to the Evaluation of Mitral Regurgitation
D. Jakrapanichakul

2:40 PM

Morpho-Anatomy of the Mitral Valve
R. Lang

3:00 PM

Stress Echocardiography in Valve Disease
J. Oh

3:20 PM

Prosthetic Valve Function and Dysfunction
R. Kanjanavanit

3:40 PM

REFRESHMENT BREAK & VISIT EXHIBITS

Case Presentations

4:00 PM

Valve Disease Case Presentations
L. Go, N. Ratanasit, T. Yingchoncharoen

5:00 PM

ADJOURN

Schedule of Events

Saturday, October 22, 2016

7:00 AM **Registration**

Congenital Heart Disease

Chairs: C. Broberg, J. Tan

8:00 AM **Expert Approach to Common Congenital Problems (BAV, ASD)**
C. Broberg

8:20 AM **Complex Non-Cyanotic Congenital Disease**
J. Tan

8:40 AM **Echo in the Evaluation of Congenital Repair**
C. Broberg

9:00 AM **Echo Guidance During Congenital Repairs**
E. Tucay

9:20 AM **REFRESHMENT BREAK & VISIT EXHIBITS**

Evaluation of Diastole

J. Thomas, E. Tucay

10:10 AM **Understanding Diastole and Its Contribution to Heart Failure**
J. Thomas

10:30 AM **The Echo Diastolic Examination: Established and Emerging Methods**
A. Klein

10:50 AM **Restrictive and Infiltrative Cardiomyopathies**
R. Kanjanavanit

11:10 AM **Unique Presentations of Right Ventricular Diastolic Dysfunction**
J. Oh

11:30 AM **Question and Answer**

11:50 AM **LUNCH & VISIT EXHIBITS**

Advanced Clinical Topics II

Chairs: A. Kuncoro, T. Yingchoncharoen

1:00 PM **Echo in Rheumatologic and Connective Tissue Disease**
D. Jakrapanichakul

1:20 PM **Endocarditis: The Spectrum of Disease and Role of Echo**
L. Go

1:40 PM **TEE and TTE Assessment of Aortic Disease**
K. Poh

2:00 PM **Diagnostic Impact of Contrast Echocardiography**
J. Lindner

2:20 PM **Case Presentations: Diastole and Advanced Hemodynamics**
S. Boonyaratavej, K. Poh, E. Tucay

3:20 PM **REFRESHMENT BREAK & VISIT EXHIBITS**

Role of Multimodality Imaging

Chairs: S. Puwanant, E. Tucay

3:40 PM **New Applications for Nuclear Imaging**
J. Lindner

4:00 PM **Evolving Role of CT in Coronary Artery Disease**
A. Klein

4:20 PM **New Capabilities of Cardiac MRI in Cardiomyopathy**
C. Broberg

4:40 PM **Question and Answer**

5:00 PM **ADJOURN**



Schedule of Events

Sunday, October 23, 2016

7:00 AM **Registration**

Heart Failure

Chairs: S. Boonyaratavej, J. Oh

8:00 AM **Hypertrophic Cardiomyopathy: Scope of the Disease**
S. Puwanant

8:20 AM **Role of Echo in Guiding Treatment for Hypertrophic Cardiomyopathy**
E. Tay

8:40 AM **Imaging in Pulmonary Hypertension and Cor Pulmonale**
J. Tan

9:00 AM **Infiltrative Disease**
A. Kuncoro

9:20 AM **What's New in the Evaluation of Pericardial Disease?**
J. Oh

9:40 AM **Question & Answer**

10:00 AM **REFRESHMENT BREAK & VISIT EXHIBITS**

Advanced Clinical Topics III

Chairs: J. Lindner, K. Poh

10:30 AM **Intraoperative Echo: When to Go Back on Pump**
E. Tucay

10:50 AM **Avoiding Mistakes When Imaging the Tricuspid Valve in 3D**
R. Lang

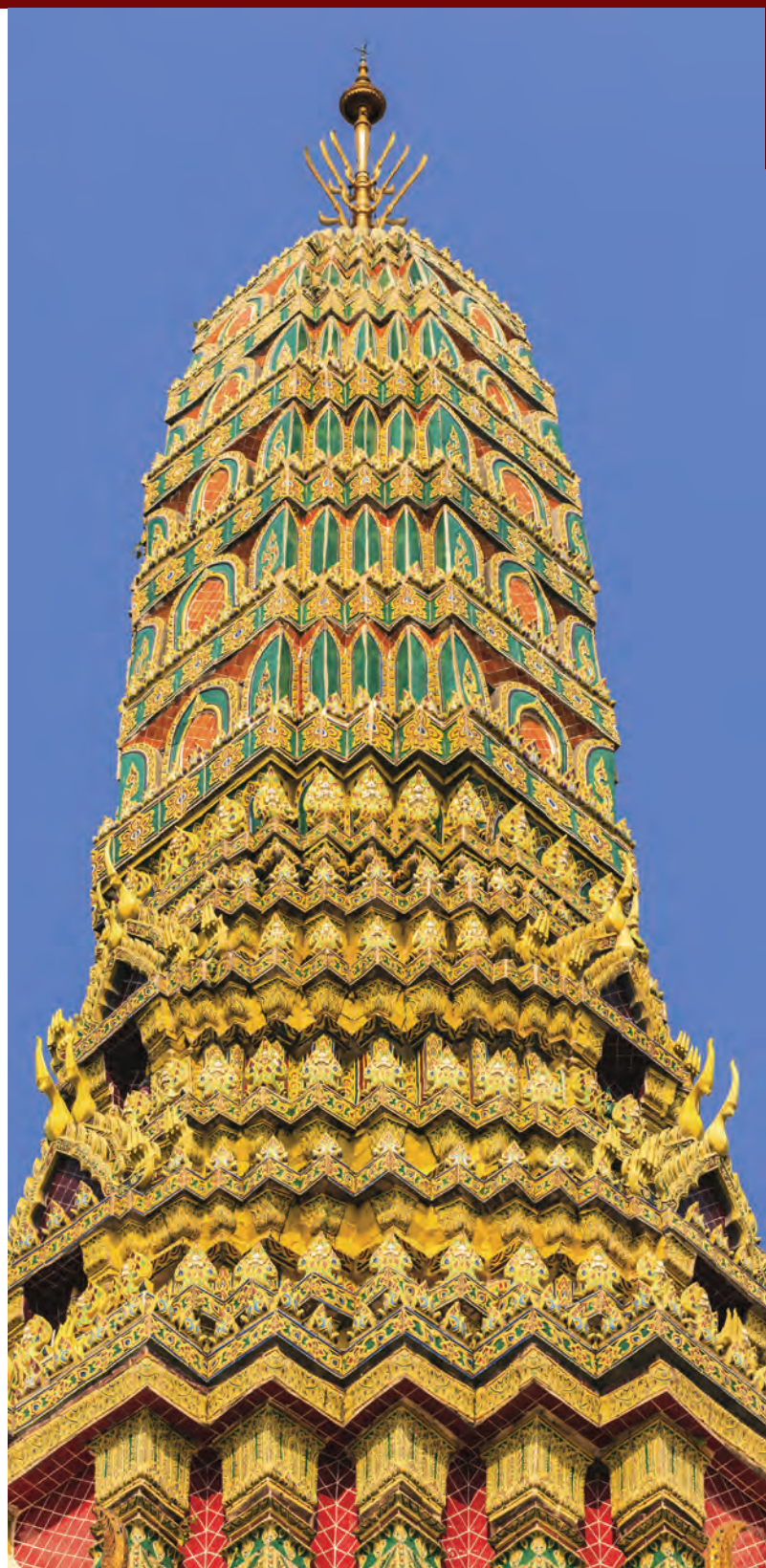
11:10 AM **Epicardial and Intracardiac Echo**
S. Boonyaratavej

11:20 AM **TEE and Intraprocedural Case Presentations**
L. Go, E. Tay, J. Thomas

12:20 PM **LUNCH AND VISIT EXHIBITS**

1:30 – 3:00 PM **3D and Strain Live Imaging Workshop**
S. Boonyaratavej, D. Jakrapanichakul, R. Lang, S. Puwanant, J. Oh, N. Ratanasit, T. Yingchoncharoen

3:00 PM **Adjourn**



ECHO ASEAN

Register Online at
ASEcho.org/EchoASEAN

October 21-23, 2016

Conrad Bangkok Hotel
Bangkok, Thailand

Your Echo ASE ASEAN registration fee includes daily lunches, daily breaks, access to course materials and a maximum of 19.5 hours of CME credit.

Name: _____

FIRST NAME

MIDDLE INITIAL

LAST NAME

Credential: MD DO PhD RN RCS RDCS Other

Institution: _____

Email Address: _____

(All correspondence regarding your registration including your confirmation will be sent to this email address.)

Street Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____ Country: _____

Telephone: _____ Fax: _____

If you need disability accommodations, please check here and advise us of your needs at least two weeks before the program.

Special Needs: ASE encourages participation by all individuals. If you have a disability or other specific needs, advance notification will help ASE to better serve you. Please contact ASE by email at echoasean@asecho.org or telephone at 919-861-5574.

Special Dietary Needs: _____

Registration Fees

	THROUGH SEPTEMBER 21, 2016	AFTER SEPTEMBER 21, 2016
ASE/TSE Physician Member	\$250	\$350
ASE/TSE Allied Health Member	\$175	\$275
ASE/TSE Fellows in Training	\$175	\$275
Physician Non-Member	\$300	\$400
Allied Health Non-Member	\$200	\$300
Fellows in Training Non-Member	\$200	\$300

Payment Information

Payment must accompany this form.

Check (payable to American Society of Echocardiography in U.S. dollars drawn on a U.S. bank)

Credit Card: Visa MasterCard American Express

Cardholder's Name: _____

Card Number: _____ Expiration Date: _____

AMERICAN SOCIETY OF ECHOCARDIOGRAPHY INC, P.O. Box 890082, Charlotte, NC 28289-0082

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Jointly Provided by ASE and the ASE Foundation, and held in cooperation with the Thai Society of Echocardiography