

ECHO ASEAN

ANNUAL



ADVANCE PROGRAM

March 22–24, 2018

Conrad Manila Hotel

Manila, Philippines

Course Director

James D. Thomas, MD, FASE

Past President, ASE

Northwestern Medicine

Chicago, IL

Course Co-Director

Roberto M. Lang, MD, FASE

Past President, ASE

University of Chicago Medical Center

Chicago, IL

Course Co-Director

Kian-Keong Poh, MBBChir, FASE

Vice Chairman, ASEAN Society of Echocardiography

National University Heart Centre

Singapore, Singapore

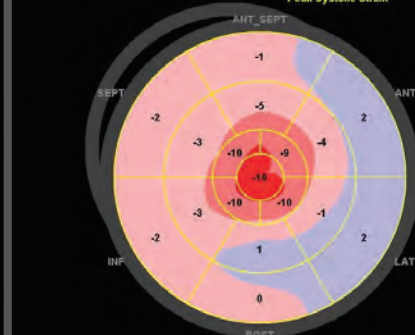
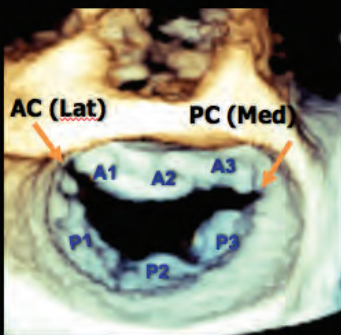
Course Co-Director

Edwin Tucay, MD, FPSE

Chairman, ASEAN Society of Echocardiography

Philippine Heart Center

Manila, Philippines



Register now at ASEcho.org/ASEAN



Jointly provided by ASE and the ASE Foundation, and held in cooperation with the ASEAN Society of Echocardiography and the Philippine Society of Echocardiography.

Program Information

Overview of Echo ASE ASEAN

The aim of Echo ASE ASEAN is to provide cardiovascular practitioners with information on state-of-the-art echocardiographic technology. This international meeting is led by expert faculty from the United States and the countries comprising the ASEAN region and beyond 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.
- 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.
- Recognize 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 and pediatric 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 20.50 *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 20.50 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

For your convenience, ASE has secured a block of rooms with discounted rates at the Conrad Manila Hotel. It is located on the Seaside Boulevard corner of Coral Way atop the Mall of Asia Complex, Pasay City, 1300, Manila, Philippines. To secure your room at the Conrad Manila Hotel, please visit ASEcho.org/ASEAN/Accommodations and click the "Conrad Manila" link.

Room rates are: Deluxe Room – PHP 10,313.30 (currently \$200.55 USD) and Deluxe Bay View – PHP 11,054.25 (currently \$214.95 USD), plus applicable taxes.* Room rates include a daily buffet breakfast and in-room internet. The hotel room block is scheduled to be held until Wednesday, February 21, 2018. Therefore, we advise you to register for the program and reserve your lodging as soon as possible. Please be sure to ask about any additional hotel fees, early departure fees, or cancellation penalties.

The Conrad Manila is positioned atop S Maison, a high-end retail complex on the edge of Manila Bay. It is a striking hotel offering a peaceful escape from the hustle and bustle of Makati, while being only a short 15 minute drive away from the Manila Ninoy Aquino International Airport. You will enjoy easy access to a variety of shopping, dining, recreation, and local attractions.

Manila, the capital of the Philippines, is located on the eastern shores of the Manila Bay in one of the finest harbors in the country. Here you will find a mix of Spanish colonial architecture with modern skyscrapers. Take a walking tour of the historic 64-hectare stone citadel, Intramuros (founded by the Spanish in 1571), try the popular Filipino desert, halo halo, explore one of the many museums located throughout the city, or just simply marvel over a beautiful sunset from the Conrad Manila's waterfront lounge.

*Current exchange rates from Philippine Peso to US Dollar may fluctuate and are subject to change. Please check currency calculators for accurate exchange rates.

"All the presentations were valuable and engaging. Invaluable experience."

Past Echo ASE ASEAN Attendee

Invited Faculty

Course Director

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

Course Co-Directors

Roberto M. Lang, MD, FASE
Past President, ASE
University of Chicago Medical Center
Chicago, IL

Kian-Keong Poh, MBBChir, FASE
Vice Chairman, ASEAN Society of Echocardiography
National University Heart Centre
Singapore, Singapore

Edwin Tucay, MD, FPSE
Chairman, ASEAN Society of Echocardiography
Philippine Heart Center
Manila, Philippines

Invited International Faculty

Bonita A. Anderson, MAPPLSC, DMU, AMS, ACS, FASE
Prince Charles Hospital
Queensland, Australia

Thomas Ryan, MD, FASE
The Ohio State University
Columbus, OH

Gregory M. Scalia, MBBS, FASE
Prince Charles Hospital
Queensland, Australia

Lissa Sugeng, MD, MPH, FASE
Yale University, Internal Medicine Cardiology
New Haven, CT

Megan Yamat, RDCCS, RCS, FASE
University of Chicago Medical Center
Chicago, IL

Invited Faculty

Joel M. Abanilla, MD, FPSE
Executive Director
Philippine Heart Center
Manila, Philippines

Juliet J. Balderas, MD
Philippine Heart Center
Manila, Philippines

Smonporn Boonyaratavej, MD
Chulalongkorn University
Bangkok, Thailand

Patrick R. Carpo, MD
Makati Medical Center
Makati City, Philippines

Ronald E. Cuyco, MD, FPSE
Philippine Heart Center
Manila, Philippines

Aurora Muriel S. Gamponia, MD, FPSE
Philippine Heart Center
Manila, Philippines

Loewe Go, MD
St. Luke's Medical Center
Quezon City, Philippines

Mary Ong Go, MD, FPSE
Cardinal Santos Medical Center
Mandaluyong City, Philippines

Raul D. Jara, MD, FPSE
Philippine General Hospital
Manila, Philippines

Joyce S. Jumangit, MD, FPSE
Philippine Heart Center
Manila, Philippines

Eleanor A. Lopez, MD, FPSE
Philippine Heart Center
Manila, Philippines

Jose Donato A. Magno, MD, FPSE
Philippine Heart Center
Manila, Philippines

Erwan Martanto, MD
Padjadjaran University, Indonesia
West Java, Indonesia

Lerma Noval, MD
Chong Hua Hospital
Cebu City, Philippines

Jonnie R. Bote-Nunez, MD, FPSE
Philippine Heart Center
Manila, Philippines

Aristides A. Panlilio, MD, FPSE, FASE
Philippine Heart Center
Manila, Philippines

Gregorio G. Rogelio, MD
St. Luke's Medical Center
Quezon City, Philippines

Romeo J. Santos, MD
Philippine Heart Center
Manila, Philippines

Amiliana M. Soesanto, MD, PhD
National Cardiovascular Center Harapan Kita
Jakarta, Indonesia

Myla Gloria S. Supe, MD, FPSE
Philippine Heart Center
Manila, Philippines

Ru San Tan, MBBS
National Heart Center Singapore
Singapore, Singapore

Tran Vu Minh Thu, MD
Tam Duc Hospital
Ho Chi Minh City, Vietnam

Khim Leng Tong, MD, FASE
Changi General Hospital
Singapore, Singapore

Mohd Rahal Bin Yusoff, MBChB, MRCP
Hospital Kuala Lumpur
Kuala Lumpur, Malaysia



Schedule of Events

Thursday, March 22, 2018

6:45 AM **Registration and Breakfast**

7:45 AM **Welcome and Introduction**
J. Thomas

Assessment of Cardiac Function

Moderators: J. Thomas, E. Tucay

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 Pulmonary Artery Pressure**
E. Tucay

9:20 AM **The Physiology of Diastole**
G. Scalia

9:40 AM **Echocardiographic Assessment of Diastolic Function and Filling Pressure**
T. Ryan

10:00 AM **Question and Answer**
R. Lang, T. Ryan, G. Scalia, J. Thomas, E. Tucay

10:20 AM **Refreshment Break & Visit Exhibits/Posters**

Valvular Heart Disease Basics

Moderators: K. Poh, L. Sugeng

10:50 AM **Quantification of Aortic Stenosis: Using the Guidelines to Time Intervention**
K. Poh

11:10 AM **Quantification of Aortic and Mitral Regurgitation: Update from the Guidelines**
E. Martanto

11:30 AM **Diagnostic Difficulties in Multivalvular Disease**
L. Sugeng

11:50 AM **Question and Answer**
E. Martanto, K. Poh, L. Sugeng

12:10 PM **Lunch & Visit Exhibits**

Advanced Topics I: Cardiac and Valve Function

Moderators: R. Lang, E. Martanto

1:20 PM **Cardiotoxic Effects of Chemotherapeutic Drugs**
E. Martanto

1:40 PM **Cardiac Hypertrophy: Differentiate Disease from Athlete**
K. Tong

2:00 PM **What Do Electrophysiologists Want to Know from Echocardiographers Before, During & After Cardiac Resynchronization Therapy?**
M. Go

2:20 PM **Evaluation of Patients with LVADs and Percutaneous Support Devices**
G. Scalia

2:40 PM **Update in Rheumatic Mitral Stenosis: Which Scoring System to Use**
R. Santos

3:00 PM **Assessment of Tricuspid and Pulmonic Valve Disease: Importance of 3D**
R. Lang

3:20 PM **Prosthetic Valve Function and Dysfunction**
L. Sugeng

3:40 PM **Question and Answer**
M. Go, R. Lang, E. Martanto, R. Santos, G. Scalia, L. Sugeng, K. Tong

Basic Topics I: Cardiac and Valve Function

Moderators: B. Anderson, S. Boonyaratavej

1:20 PM **Strain Basics: How to Start in Your Lab**
B. Anderson

1:40 PM **3D Basics: How to Start in Your Lab**
M. Yamat

2:00 PM **Assessment of Diastolic Function: What Must be Acquired?**
M. Supe

2:20 PM **Moving Right Ventricular Assessment Beyond the Eyeball**
A. Soesanto

2:40 PM **Quantitative Assessment of Mitral and Aortic Stenosis: Pitfalls and Tips**
B. Anderson

Schedule of Events

3:00 PM	Quantitation of Mitral Regurgitation: Doing Proximal Isovelocity Surface Area the Right Way <i>S. Boonyaratavej</i>
3:20 PM	Assessment of Prosthetic Valves: What are the Key Views and Variables? <i>T. Ryan</i>
3:40 PM	Question and Answer <i>B. Anderson, S. Boonyaratavej, M. Supe, T. Ryan, A. Soesanto, M. Yamat</i>
4:00 PM	Refreshment Break & Visit Exhibits/Posters
Illustrative Case Presentations <i>Moderator: L. Sugeng</i>	
4:30 PM	Illustrative Case Presentations <i>B. Anderson, R. Jara, T. Ryan, A. Soesanto, R. Tan</i>
5:30 PM	ADJOURN

Friday, March 23, 2018

7:00 AM	Registration and Breakfast
Ischemic Heart Disease <i>Moderators: T. Ryan, K. Tong</i>	
8:00 AM	Role of Contrast Agents to Enhance Wall Motion and Doppler Signals <i>K. Tong</i>
8:20 AM	Stress Echocardiography to Assess Coronary Artery Disease <i>E. Lopez</i>
8:40 AM	Complications of Acute Myocardial Infarction <i>G. Scalia</i>
9:00 AM	Chronic Ischemic Cardiomyopathy: Role of Functional Mitral Regurgitation <i>T. Ryan</i>
9:20 AM	Question and Answer <i>E. Lopez, T. Ryan, G. Scalia, K. Tong</i>
9:40 AM	Refreshment Break & Visit Exhibits/Posters
Congenital and Interventional Echo <i>Moderators: J. Nunez, G. Scalia</i>	
10:10 AM	Unrepaired Congenital Heart Disease: What You Must Never Miss <i>T. Ryan</i>

10:30 AM	Repaired Congenital Heart Disease: What Did They Do and How is It Doing? <i>J. Balderas</i>
10:50 AM	Introduction to Interventional Echocardiography <i>R. Lang</i>
11:10 AM	TAVR 2018: Imaging Before, During, and After <i>L. Sugeng</i>
11:30 AM	Question and Answer <i>J. Balderas, R. Lang, T. Ryan, G. Scalia, L. Sugeng</i>
11:50 AM	Lunch Panel
Advanced Topics II: Clinical Topics <i>Moderators: P. Carpo, R. Jara</i>	
1:00 PM	Stress Echo in Nonischemia Indications <i>K. Poh</i>
1:20 PM	Echo in Rheumatologic and Connective Tissue Disease <i>G. Scalia</i>
1:40 PM	TEE and TTE Assessment of Aortic Disease <i>L. Sugeng</i>
2:00 PM	Complex Cyanotic Congenital Disease: When is it Too Late to Intervene? <i>A. Gamponia</i>
2:20 PM	Atrial Septal Closure and Left Atrial Appendage Occlusion: Indications and Guidance <i>A. Panlilio</i>
2:40 PM	Guidance of Mitral and Tricuspid Interventions <i>J. Thomas</i>
Advanced Topics II: Role of Multimodality Imaging <i>Moderators: R. Jara, L. Noval</i>	
3:00 PM	Evolving Role of CT in Coronary Artery Disease <i>R. Yusoff</i>
3:20 PM	Advances in MRI: When it is Needed in Ischemia, Heart Failure, and Valve Disease <i>R. Tan</i>
3:40 PM	Question and Answer <i>R. Jara, L. Noval, R. Tan, R. Yusoff</i>
4:00 PM	Refreshment Break & Visit Exhibits/Posters

Schedule of Events

Basic Topics II: Assorted Topics

Moderators: *D. Magno, M. Yamat*

1:00 PM	Tips and Tricks for Assessing Congenital Heart Disease <i>B. Anderson</i>
1:20 PM	Stress Echo Performance: When is Contrast Needed? <i>M. Yamat</i>
1:40 PM	Assessment of Chest Pain in the Emergency Room <i>R. Cuyco</i>
2:00 PM	Assessment of Hemodynamics: Can Echo Replace the Pulmonary Artery Catheter <i>G. Scalia</i>
2:20 PM	Hypertrophic Cardiomyopathy: Basic Assessment and Provocation of Obstruction <i>T. Thu</i>
2:40 PM	Point of Care Echo in the Hospital and Beyond: Can it Screen for Rheumatic Heart Disease? <i>D. Magno</i>
3:00 PM	Evaluating and Scoring the Rheumatic Mitral Valve in 2D and 3D <i>L. Sugeng</i>
3:20 PM	Fact or Fiction: Common Echo Myths Exposed <i>B. Anderson</i>
3:40 PM	Question and Answer <i>B. Anderson, R. Cuyco, D. Magno, G. Scalia, L. Sugeng, T. Thu, M. Yamat</i>
4:00 PM	Refreshment Break & Visit Exhibits/Posters

Illustrative Case Presentations

Moderator: *G. Scalia*

4:30 PM	Illustrative Case Presentations <i>J. Jumangit, T. Thu, K. Tong, M. Yamat</i>
5:30 PM	ADJOURN

Saturday, March 24, 2018

7:00 AM **Registration and Breakfast**

Miscellaneous Topics

Moderators: *T. Thu, R. Yusoff*

8:00 AM	Assessment of Hypertrophic Cardiomyopathy: When and How to Intervene <i>J. Thomas</i>
8:20 AM	Restrictive and Infiltrative Cardiomyopathies <i>G. Scalia</i>
8:40 AM	Imaging in Pulmonary Hypertension and Cor Pulmonale <i>L. Sugeng</i>
9:00 AM	The Many Faces of Endocarditis: When to Intervene <i>K. Poh</i>
9:20 AM	What's New in the Evaluation of Pericardial Disease? <i>T. Ryan</i>
9:40 AM	Question and Answer <i>K. Poh, T. Ryan, G. Scalia, L. Sugeng, J. Thomas, T. Thu, R. Yusoff</i>

10:00 AM **Refreshment Break & Visit Exhibits/Posters**

Advanced Clinical Topics III: Clinical Topics

Moderators: *J. Abanilla, R. Lang*

10:30 AM	Takotsubo Cardiomyopathy: Pathophysiology and Assessment <i>R. Lang</i>
10:50 AM	Intra-operative Echo: When to Go Back On Pump <i>G. Rogelio</i>

TEE and Intraprocedural Case Presentations

Moderator: *J. Thomas*

11:10 AM	TEE and Intraprocedural Case Presentations <i>R. Gregorio, R. Lang, K. Poh, G. Scalia, E. Tucay</i>
12:10 PM	Question and Answer <i>J. Abanilla, R. Lang, K. Poh, R. Gregorio, G. Scalia, J. Thomas, E. Tucay</i>
12:30 PM	Lunch Panel
1:30 – 3:00 PM	3D and Strain Live Imaging Workshop Moderator: <i>E. Tucay</i> <i>B. Anderson, L. Go, R. Lang, L. Sugeng, J. Thomas, M. Yamat</i>
3:00 PM	ADJOURN

ECHO ASE ASEAN

Register Online at
ASEcho.org/EchoASEAN

March 22-24, 2018

Conrad Manila Hotel

Manila, Philippines

Your Echo ASE ASEAN registration fee includes daily lunches, daily breaks, access to course materials, a maximum of 20.50 hours of CME credits, and MOC points. Register online for immediate confirmation at ASEcho.org/EchoASEAN

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:

ASE encourages participation by all individuals. If you have a disability or other specific needs, including dietary, advance notification will help ASE better serve you. Please contact ASE by email at EchoASEAN@ASEcho.org or telephone at 919-861-5574.

Registration Fees

	THROUGH FEBRUARY 22, 2018	AFTER FEBRUARY 22, 2018
Physician Member	\$275	\$375
Physician Nonmember	\$350	\$450
Fellow Member	\$200	\$300
Fellow Nonmember	\$225	\$325
Allied Health/Sonographer Member	\$200	\$300
Allied Health/Sonographer Nonmember	\$275	\$375

Members of the ASEAN Society of Echocardiography and Philippine Society of Echocardiography are eligible to register at the ASE Member rate.

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: CVC #:

Registration cancellation fees may apply and ASE reserves the right to determine if a refund is possible. Please see the full cancellation policy online at ASEcho.org/EchoHawaii.

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

Phone: 919-861-5574 • Fax: 919-882-9900 • Email: EchoASEAN@ASEcho.org • Website: ASEcho.org/ASEAN

ECHO ASEAN

ANNUAL



March 22-24, 2018

Conrad Manila Hotel
Manila, Philippines



Course Director
James D. Thomas, MD, FASE
Past President, ASE
Northwestern Medicine
Chicago, IL



Course Co-Director
Roberto M. Lang, MD, FASE
Past President, ASE
University of Chicago Medical Center
Chicago, IL



Course Co-Director
Kian-Keong Poh, MBBChir, FASE
Vice Chairman, ASEAN Society of
Echocardiography
National University Heart Centre
Singapore, Singapore



Course Co-Director
Edwin Tucay, MD, FPSE
Chairman, ASEAN Society of
Echocardiography
Philippine Heart Center
Manila, Philippines

Register now at ASEcho.org/ASEAN



Jointly provided by ASE and the ASE Foundation, and held in cooperation with the ASEAN Society of Echocardiography and the Philippine Society of Echocardiography.