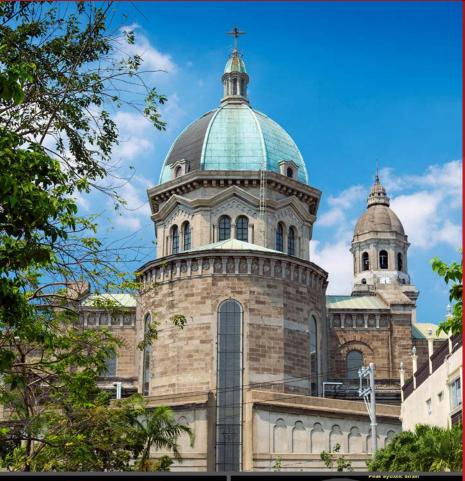
ECHO ASE ASEAN

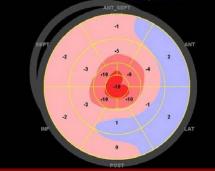






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FINAL PROGRAM

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

Chairman, ASEAN Society of Echocardiography Philippine Heart Center

Manila, Philippines













Welcome Message

On behalf of my co-chairs, Roberto Lang, Edwin Tucay, and KK Poh, and our entire superb international faculty, I extend a warm welcome to you for joining us in Manila for the 3rd Echo ASE-ASEAN Conference. Building on the great momentum and enthusiasm from our first two Echo ASE-ASEAN meetings in Bangkok, we have something for everyone in echo, regardless of your background. If you are relatively early in your echo education or want to focus on acquisition techniques, we will have dedicated sessions in the afternoons on the basics of echocardiography. Paralleling these sessions will be more advanced topics, including 3D and strain, which are growing rapidly in our practice. In the mornings, all of us will be together, covering a host of clinical echo topics with a strong case-based emphasis. Our faculty are the best in the world, including ASE Past Presidents Roberto Lang and Tom Ryan (and myself), Lissa Sugeng from Yale, and Megan Yamat, a sonographer in Roberto's lab. From Australia, we brought Greg Scalia and Bonita Anderson, two of the most effective and entertaining educators around. From the ASEAN region, my co-chair KK Poh has organized outstanding speakers from Indonesia, Singapore, Malaysia, Thailand, and Vietnam, while local host Edwin Tucay, and our friends in the Philippines Society of Echocardiography, are covering a number of topics and presenting many fascinating cases for our assessment. We will also have original research for you to learn from. The co-chairs and I have selected some great abstracts and unique case reports that will be on display throughout the meeting.

Manila is a wonderful locale for our meeting. I was here last September and found it a fascinating mix of cultures from Southeast Asia, Spain, and Mexico, with a complex cuisine that borrows from all of these places. If you have more time to spend in the Philippines, look no farther than the beautiful islands of Boracay, Cebu, and Palawan, which Conde Nast Traveler declared to be the top three islands in the **world!** How can you go wrong?

Welcome to Manila!

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

Invited Faculty

Course Director

James D. Thomas, MD, FASE

Past President, ASE Northwestern Medicine Chicago, IL

Course Co-Directors

Roberto M. Lang, MD, FASE

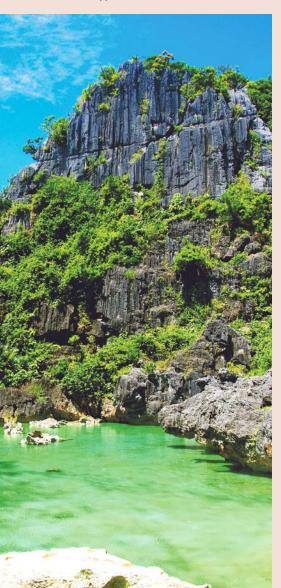
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Vice Chairman, ASEAN Society of Echocardiography National University Heart Centre Singapore, Singapore

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, RDCS, 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

Jose Donato A. Magno, MD, FPSE

Philippine Heart Center Manila, Philippines

Erwan Martanto, MD

Padjadjaran University, Indonesia West Java, Indonesia

Ly T. M. Nguyen, MD

Hanoi Medical University Hanoi, Vietnam

Lerma Noval, MD

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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

Khim Leng Tong, MD, FASE

Changi General Hospital Singapore, Singapore

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.

Target Audience

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.

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 of 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 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.

Disclaimer

The information provided during this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's condition.

Accreditation and Designation

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Society of Echocardiography and the American Society of Echocardiography Education and Research Foundation. The American Society of Echocardiography is accredited by the ACCME to provide continuing medical education for physicians.

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 20.5 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 20.5 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program and/or The American Board of Anesthesiology® (ABA) Maintenance of Certification in Anesthesiology Program® or MOCA®. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is ASE's responsibility to submit participant completion information to ACCME for the purpose of granting ABA MOCA and/or ABIM MOC points.







Maintenance of Certification in Anesthesiology Program® and MOCA® are registered certification marks of the American Board of Anesthesiology®. MOCA 2.0® is a trademark of the American Board of Anesthesiology®.

Daily breakdown of CME credits:

Thursday, March 22, 2018 = 7.5 hours

Friday, March 23, 2018 = 7.5 hours

Saturday, March 24, 2018 = 5.5 hours

The ACCME and the European Board of Accreditation in Cardiology (EBAC) recognize each other's accreditation systems as substantially equivalent. To obtain EBAC credit for participation in this activity, submit evidence of participation directly to EBAC (www.ebac-cme.org).

The European Union of Medical Specialists (UEMS)-European Accreditation Council for Continuing Medical Education (EACCME) has an agreement of mutual recognition of continuing medical education (CME) credit with the American Medical Association (AMA). European physicians interested in converting AMA PRA Category 1 Credit[™] into European CME credit (ECMEC) should contact the UEMS (www.uems.eu).

ARDMS, CCI, and Sonography Canada recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers.

All or a portion of this educational activity may meet the CME requirement for IAC Echocardiography accreditation.

This activity is eligible for Section 1 credits in the Royal College of Physicians and Surgeons of Canada's Maintenance of Certification (MOC) Program. Participants must log into MAINPORT to claim this activity.

Disclosure

ASE is committed to ensuring that its educational mission, and all sponsored educational programs are not influenced by the special interests of any corporation or individual, and its mandate is to retain only those speakers whose financial interests can be effectively resolved to maintain the goals and educational integrity of the program. While a monetary or professional affiliation with a corporation does not necessarily influence a speaker's presentation, the Essential Areas and policies of the ACCME require that any relationship that could possibly conflict with the educational value of the program be resolved prior to the educational session and disclosed to the audience. In accordance with these policies, ASE implemented mechanisms prior to the planning and implementation of this CME activity to identify and resolve conflicts of interest for all individuals in a position to control content. Disclosure information is referenced and can be found beginning on page 14 of this program.

Commercial Support Disclosure

Educational Grants: This activity is supported in part by educational grants from Lantheus Medical Imaging, the National Board of Echocardiography, Inc., and Trust Bio-sonics.

How to Obtain CME

To claim your CME for ASE Echo ASEAN, please follow the steps below using your Mozilla Firefox, Google Chrome or Safari browser. Internet Explorer will not work. The deadline to claim credit is **April 26, 2018**.

ASE Members:

- 1. Go to ASEcho.org and log in to the Member Portal with your username (email) and password.
 - a. If you forget your password, simply click "Retrieve" under the login.
- Click on ASEUniversity. This will take you directly to your ASEUniversity account.

Nonmembers:

- 1. Go to ASEUniversity.org.
- 2. Log into your existing account or create a new one.

To Claim Credit:

- 3. On the ASEUniversity homepage, click My Account at the top right of the page.
- Under My Account, click Add Access Code on the left sidebar and enter the code, "3rdASEAN"
- 5. Verify your registration information. Please be sure to use the same information that you used to register for the event.
- Once verified, click CE Information tab and Take Exam button to claim your CME credit. CME credits are not earned until the entire evaluation has been completed.
- 7. Your certificate will be available for immediate download and can also be found under My Account in the My Transcripts.

Remember to enter your ABIM and/or ABA number and birthdate if you choose to have MOC and/or MOCA points for this meeting submitted to ABIM and/or ABA. There is a space for this information on the first page of the evaluation.

Accommodations and Lodging Information

The Conrad Manila Hotel is located on the Seaside Boulevard corner of Coral Way atop the Mall of Asia Complex, Pasay City, 1300, Manila, Philippines. Your stay includes a daily buffet breakfast and in-room internet.

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.

Attendee Information and Regulations

Registration Desk Location and Hours

The ASE Registration desk is located outside Forbes Ballroom, and staffed during the following hours:

Thursday, March 22, 2018	. 6:45 AM – 5:30 PM
Friday, March 23, 2018	. 7:00 AM – 5:30 PM
Saturday, March 24, 2018	. 7:00 AM – 3:00 PM

Food Functions

ASE will provide morning coffee breaks, breakfast, lunch, and afternoon coffee breaks for registered attendees. Please refer to the program schedule for the times of all meal functions. The Conrad Manila offers guests a variety of dining options. Please see below for more details.

Onsite Restaurant Options

China Blue by Jereme Leung: China Blue offers a modern interpretation of traditional Chinese cuisine, tailored by celebrity master chef Jereme Leung. Ideal for business lunches or special occasions with floor-to-ceiling glass windows offering views of the Manila Bay on the horizon.

Brasserie on 3: An all-day dining restaurant serving an extensive buffet selection at breakfast and an à la carte menu for lunch and dinner. Organic, local, and sustainable ingredients take center stage while an open kitchen and live cooking stations add to the vibrant atmosphere. Enjoy both indoor and outdoor dining.

C Lounge: During the day, unwind in the laid back C Lounge, where you can enjoy afternoon tea selections with freshly brewed coffee and specialty blends. As the day winds down and the music is turned up, treat yourself to one of the bar's signature cocktails while enjoying panoramic sunset bay views.

Sails Pool Bar: Stretch out poolside on a plush lounger, and relax with a drink and a light snack in our covered, outdoor pool bar. Gaze out over the sparkling water as you savor your favorite cocktail or cool down with a freshly prepared juice or smoothie.

Bru Coffee Bar: This coffee bar and boutique chocolatier showcases a tempting selection of hand-crafted pastry items and artisan confectionery. Enjoy a light and hearty snack delightfully paired with specialty tea or fair trade coffee.

Mobile Device Use

We encourage you to use your mobile device to download the new ASE Courses app. After you have downloaded the app, you will have access to the entire meeting program at your fingertips. You can also use the app to ask questions during the sessions you attend. Please remember to turn your mobile device to silent or vibrate mode. Search "ASE Courses" in the Google Play and Apple Stores to download.

Download the ASE
Live Courses app for
Echo ASE ASEAN
information at your
fingertips

Internet Access

Attendees of the course receive complimentary wireless internet in their guest rooms and meeting area area of the Conrad Manila.

Safety

Audience seating is on a first-come, first-served basis. According to fire code, a session must be closed if the room fills to capacity. Inappropriate behavior or undesirable conduct, including, but not limited to, verbal or physical abuse, whether threatened or performed, will not be permitted or tolerated. You must wear your name badge at all times when attending the session or events.

Photography/AV Policy

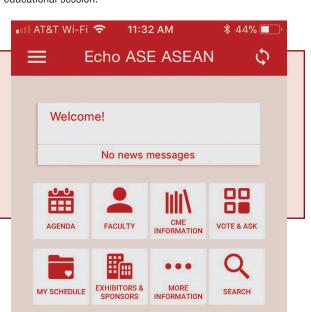
No person may record any portion of the Echo ASE ASEAN course, either by video, still or digital photography, audio or any other recording or reproduction mechanism. This includes recording of presentations and supporting audio visual materials.

Taking photos of, or recording the content of, presentation slides is also prohibited and is considered intellectual piracy. Attendees who ignore this policy will be asked to leave the educational session and are at risk of losing their name badge and attendance privileges.

Photographs taken for the purpose of sharing on social media is allowed, but should avoid showing presentation slides. Please use #EchoASEAN when posting on social media. ASE reserves the rights to all recordings or reproductions at ASE meetings. Please be aware that during the Echo ASE ASEAN course, attendees, vendors, guests, and exhibitors may be photographed or videotaped by ASE staff capturing the event. Some of these photographs or videos may be displayed by ASE in future publication or other materials. By virtue of your attendance, you agree to allow ASE to use photographs of you in its promotional materials.

Children

ASE does not offer childcare services. Due to limited seating capacity and the highly technical nature of this program, children are not allowed to attend the educational session.



Schedule of Events

Thursday	y, March 22, 2018	Advance	nd Tonics I: Cardiac and Valve Eurotion	
6:45 AM	Registration and Breakfast	Forbes Bal	Advanced Topics I: Cardiac and Valve Function Forbes Ballroom Moderators: R. Lang, E. Martanto	
7:45 AM	Outside Forbes Ballroom Welcome and Introduction Forbes Ballroom J. Thomas	1:20 PM	Cardiotoxic Effects of Chemotherapeutic Drugs E. Martanto	
Forbes Ball	nent of Cardiac Function room rs: J. Thomas, E. Tucay	1:40 PM	Cardiac Hypertrophy: Differentiate Disease from Athlete K. Tong	
8:00 AM 8:20 AM	The Physiology of Systole J. Thomas New Approaches to Systolic Function: 4D	2:00 PM	What Do Electrophysiologists Want to Know from Echocardiographers Before, During & After Cardiac Resynchronization Therapy?	
8:40 AM	R. Lang New Approaches to Systolic Function: Strain Imaging J. Thomas	2:20 PM	M. Go Evaluation of Patients with LVADs and Percutaneous Support Devices G. Scalia	
9:00 AM	Evaluation of Right Ventricular Function and Pulmonary Artery Pressure	2:40 PM	Update in Rheumatic Mitral Stenosis: Which Scoring System to Use R. Santos	
9:20 AM	E. Tucay The Physiology of Diastole G. Scalia	3:00 PM	Assessment of Tricuspid and Pulmonic Valve Disease: Importance of 3D R. Lang	
9:40 AM	Echocardiographic Assessment of Diastolic Function and Filling Pressure T. Ryan	3:20 PM	Prosthetic Valve Function and Dysfunction <i>L. Sugeng</i>	
10:00 AM	Question and Answer R. Lang, T. Ryan, G. Scalia, J. Thomas, E. Tucay	3:40 PM	Question and Answer M. Go, R. Lang, E. Martanto, R. Santos, G. Scalia, L. Sugeng, K. Tong	
10:20 AM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom	Basic Topics I: Cardiac and Valve Function Forbes Ballroom Moderators: B. Anderson, S. Boonyaratavej		
Forbes Ball	Heart Disease Basics room rs: K. Poh, L. Sugeng	1:20 PM	Strain Basics: How to Start in Your Lab B. Anderson	
10:50 AM	Quantification of Aortic Stenosis: Using the Guidelines to Time Intervention K. Poh	1:40 PM	3D Basics: How to Start in Your Lab M. Yamat	
11:10 AM	Quantification of Aortic and Mitral Regurgitation: Update from the Guidelines	2:00 PM	Assessment of Diastolic Function: What Must be Acquired? M. Supe	
11:30 AM	E. Martanto Diagnostic Difficulties in Mutivalvular Disease L. Sugeng	2:20 PM	Moving Right Ventricular Assessment Beyond the Eyeball A. Soesanto	
11:50 AM	Question and Answer E. Martanto, K. Poh, L. Sugeng	2:40 PM	Quantitative Assessment of Mitral and Aortic Stenosis: Pitfalls and Tips	
12:10 PM	Science & Technology Theater Forbes Ballroom	3:00 PM	B. Anderson Quantitation of Mitral Regurgitation: Doing Proximal Isovelocity Surface Area the Right Way S. Boonyaratavej	

Schedule of Events

3:20 PM	Assessment of Prosthetic Valves: What are the Key Views and Variables?	10:50 AM	Introduction to Interventional Echocardiography R. Lang	
3:40 PM	T. Ryan Question and Answer B. Anderson, S. Boonyaratavej, M. Supe, T. Ryan, A. Soesanto, M. Yamat	11:10 AM	What's New in the Evaluation of Pericardial Disease? T. Ryan	
4:00 PM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom	11:30 AM	Question and Answer J. Balderas, R. Lang, T. Ryan, G. Scalia	
Illinotypt		11:50 AM	Science & Technology Theater Forbes Ballroom	
Forbes Bal	ive Case Presentations	Advance		
Moderato	r: L. Sugeng	Forbes Bal	ed Topics II: Clinical Topics Iroom	
4:30 PM	Illustrative Case Presentations B. Anderson, R. Jara, T. Ryan, A. Soesanto, R. Tan	Moderator	rs: P. Carpo, R. Jara	
5:30 PM	ADJOURN	1:00 PM	Stress Echo in Nonischemia Indications K. Poh	
Friday, I	March 23, 2018	1:20 PM	Echo in Rheumatologic and Connective Tissue Disease G. Scalia	
7:00 AM	Registration and Breakfast Outside Forbes Ballroom	1:40 PM	TEE and TTE Assessment of Aortic Disease L. Sugeng	
Forbes Bal	c Heart Disease Ilroom rs: T. Ryan, K. Tong	2:00 PM	Complex Cyanotic Congenital Disease: When is it Too Late to Intervene?	
8:00 AM	Role of Contrast Agents to Enhance Wall Motion and Doppler Signals K. Tong	2:20 PM	A. Gamponia Atrial Septal Closure and Left Atrial Appendage Occlusion: Indications and Guidance A. Panlilio	
8:20 AM	Stress Echocardiography to Assess Coronary Artery Disease J. Jumangit	2:40 PM	Guidance of Mitral and Tricuspid Interventions J. Thomas	
8:40 AM	Complications of Acute Myocardial Infarction <i>G. Scalia</i>	Advanced Topics II: Role of Multimodality Imaging Forbes Ballroom		
9:00 AM	Chronic Ischemic Cardiomyopathy: Role of	Moderator	rs: R. Jara, L. Noval	
	Functional Mitral Regurgitation T. Ryan	3:00 PM	MRI Tissue Characterization: A Primer for the Non-MRI Cardiologist	
9:20 AM	Question and Answer J. Jumangit, T. Ryan, G. Scalia, K. Tong	3:20 PM	R. Tan Advances in MRI: When it is Needed in	
9:40 AM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom		Ischemia, Heart Failure, and Valve Disease R. Tan	
Congeni Forbes Bal	ital and Interventional Echo	3:40 PM	Question and Answer <i>R. Jara, L. Noval, R. Tan</i>	
Moderato	rs: J. Nunez, G. Scalia	4:00 PM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom	
10:10 AM	Unrepaired Congenital Heart Disease: What You Must Never Miss T. Ryan	Basic Topics II: Assorted Topics Forbes Ballroom		
10:30 AM	Repaired Congenital Heart Disease: What Did They		rs: D. Magno, M. Yamat	
	Do and How is It Doing? J. Balderas	1:00 PM	Tips and Tricks for Assessing Congenital Heart Disease	

B. Anderson

Schedule of Events

1:20 PM	Stress Echo Performance: When is Contrast Needed? M. Yamat	8:40 AM	Imaging in Pulmonary Hypertension and Cor Pulmonale L. Sugeng	
1:40 PM	Assessment of Chest Pain in the Emergency Room R. Cuyco	9:00 AM	The Many Faces of Endocarditis: When to Intervene K. Poh	
2:00 PM	Assessment of Hemodynamics: Can Echo Replace the Pulmonary Artery Catheter G. Scalia	9:20 AM	TAVR 2018: Imaging Before, During, and After <i>L. Sugeng</i>	
		9:40 AM	Question and Answer L. Nguyen, K. Poh, G. Scalia, L. Sugeng, J. Thomas	
2:20 PM		10:00 AM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom	
2:40 PM	Point of Care Echo in the Hospital and Beyond: Can it Screen for Rheumatic Heart Disease? D. Magno	Advanced Clinical Topics III: Clinical Topics Forbes Ballroom Moderators: J. Abanilla, R. Lang		
3:00 PM	Evaluating and Scoring the Rheumatic Mitral Valve in 2D and 3D L. Sugeng	10:30 AM	Takotsubo Cardiomyopathy: Pathophysiology and Assessment R. Lang	
3:20 PM	Fact or Fiction: Common Echo Myths Exposed B. Anderson	10:50 AM	Intra-operative Echo: When to Go Back On Pump <i>G. Rogelio</i>	
3:40 PM	Question and Answer B. Anderson, R. Cuyco, D. Magno, L. Nguyen, G. Scalia, L. Sugeng, M. Yamat	TEE and Intraprocedural Case Presentations Forbes Ballroom <i>Moderator: J. Thomas</i>		
4:00 PM	Refreshment Break & Visit Exhibits/Posters Taft Ballroom	11:10 AM	TEE and Intraprocedural Case Presentations <i>R. Lang, K. Poh, G. Rogelio, G. Scalia, E. Tucay</i>	
Forbes Bal	ive Case Presentations Iroom r: G. Scalia	12:10 PM	Question and Answer J. Abanilla, R. Lang, K. Poh, G. Rogelio, G. Scalia, J. Thomas, E. Tucay	
4:30 PM	Illustrative Case Presentations J. Jumangit, L. Nguyen, K. Tong, M. Yamat	12:30 PM	Lunch & Visit Exhibits Outside Forbes Ballroom	
5:30 PM	ADJOURN	1:30 – 3:00 PM	3D and Strain Live Imaging Workshop Forbes Ballroom	
Coturdo	Worsh 24, 2019		Moderator: E. Tucay B. Anderson, L. Go, R. Lang, L. Sugeng, J. Thomas,	
7:00 AM	y, March 24, 2018 Registration and Breakfast	3:00 PM	M. Yamat	
	Outside Forbes Ballroom	3.00 FW	ADJOURN	
Miscella Forbes Ball	Ineous Topics Iroom			
8:00 AM	Assessment of Hypertrophic Cardiomyopathy: When and How to Intervene J. Thomas			
8:20 AM	Restrictive and Infiltrative Cardiomyopathies G. Scalia			



At Siemens Healthineers, our ultrasound technology is supporting new levels of automation, higher workflow efficiencies, and improved accuracy — so you can focus on caring for your patients.

Let's have a heart to heart talk at the upcoming ECHO ASEAN ASE!

Join Siemens Healthineers' lunch symposium and clinical presentation by Dr. Lissa Sugeng on Thursday, 22nd of March 2018 at 12:00 noon.

"This activity is not a part of the official Echo ASE ASEAN as planned by the Program Committee, or in any way endorsed or affiliated with ASE.





Exhibit Information

Exhibit Location and Hours

Exhibits are located in the Taft Ballroom during the dates and hours listed below:

Thursday, March 22, 2018	6:45 AM - 5:30 PM
Friday, March 23, 2018	7:00 AM - 5:30 PM
Saturday, March 24, 2018	7:00 AM - 3:00 PM

Exhibitor Descriptions



Bayer Philippines Inc.
29th Flr. Menarco Tower
Lot 8 Block 5, 32nd St. BGC
Taguig City
Philippines
548 5800
www.bayer.com

Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Its products and services are designed to benefit people and improve their quality of life. At the same time, the Group aims to create value through innovation, growth and high earning power. Bayer is committed to the principles of sustainable development and to its social and ethical responsibilities as a corporate citizen.



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ASE

Hitachi Medical is dedicated to improving healthcare and medical treatment by supplying high quality medical imaging solutions.

Exhibit Information



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Poster Presentations

Case Series of Pacemaker Lead Endocarditis at Philippine Heart Center

<u>Mark Donn D. Andres</u>, Emily Mae Yap, Lucky Cuenza. Philippine Heart Center, Quezon City, Philippines.

Service Provision of Transthoracic Echocardiography in an Open Access Referral System – Can We Do Better?

Koh Yoke Leng, Sherlyn Chua, Lim Mui Ling, Vasudha Sankar, Lin Shu Hui, Goh Cheng Huang, Cheryl Tan Pin Ru, <u>Punitha Arasaratnam</u>. Ng Teng Fong General Hospital, Singapore, Singapore.

The Importance of Contrast Echocardiography in Hypertrophic Cardiomyopathy

Namra Butt¹, Faraz Kazmi¹, Adib Chaus¹, Nishant Patel¹, Pavan Gupta². ¹Advocate Lutheran General Hospital, Park Ridge, Illinois, United States; ²Chicago College of Osteopathic Medicine, Downers Grove, Illinois, United States.

The Effect of Percutaneous Transvenous Mitral Commissurotomy on the Diastolic Function of Patients with Rheumatic Mitral Stenosis

<u>Cashmere Malaine P. Cabigon</u>, Edwin S. Tucay. Philippine Heart Center, Quezon City, Philippines.

D-Transposition of Great Arteries. Life is All about Connecting: A Case Report

Rayzen V. Canono, Jose Donato A. Magno, Rachelle Angeli R. Ninalga, Mario Joselito D. Garcia, Harold C. Sunga, Richard Q. Amansec. Angeles University Foundation Medical Center, Angeles City, Philippines.

Fending off the Fatal Fungus: Timely Diagnosis and Treatment of Afebrile Fungal Infective Endocarditis

Rayzen V. Canono, Jose Donato A. Magno, Edgardo S. Timbol. Angeles University Foundation Medical Center, Angeles City, Philippines.

Acute Thrombosis of Bioprosthetic Mitral Valve Secondary to Low Cardiac Output from VA-ECMO

Antonio Christophy, Ricardo Kosturakis, Rajeev Mohan, Christopher Suhar, Jamie Felzer. Deborah Heart and Lung Center, Browns Mills, New Jersey, United States.

Improvement of Mitral Annular Displacement and its Impact on Patients with Severe Aortic Stenosis after Transcatheter Aortic Valve Implantation: A Philippine Experience

Alinaya A. Cordero, Ava Kaye R. Tiu, Ryan S. Mambulao, Marlon C. Loquias, Sue-Ann R. Locnen, Ofelia N. Valencia, Fabio Enrique B. Posas. Heart Institute, St. Luke's Medical Center — Global City, Taguig City, Philippines.

Physiologic Effects of Exercise on the Right Side of the Heart as Evaluated Immediately after Stress Echocardiogram among Non-Professional Athletes

<u>Joseph Raymond Cuaresma</u>, Anthony King, Jr., Valerie Zarza-Geron. Makati Medical Center, Makati, Philippines.

Bronchogenic Cyst Presenting as Right Atrial Mass in a 47-Year old Filipino Female

<u>Unica Adah Francisco</u>, Maita S. Senadrin, Lorenzo Rommel G. Carino, Ryan S. Mambulao, Ma. Corazon C. Manlulu, Richard Henry Tiongco II. St. Luke's Medical Center – Global City, Taquiq, Philippines.

Multimodality Imaging Approach to the Diagnosis of Primary Pericardial Malignant Mesothelioma with Local Cardiac Chamber Spread: A Case Report

Arthur Bagadiong, <u>Ferdinand Gerodias</u>, <u>Jr.</u>, Rose Cabarles-Dizon. HB Calleja Heart and Vascular Institute St. Luke's Medical Center, Quezon City, Philippines.

Usage of Longitudinal Strain Analysis in Monitoring And Decision Making in Weaning Vein–Arterial Extracorporeal membrane oxygenation (V-A ECMO) in Cardiogenic Shock

M. Najmi Hakim, <u>Hardy Kwalian Adam Kwa</u>, Amir Ikhwan, Dil Kumar Marimuthu. National Heart Institute, Kuala Lumpur, Malaysia.

Mistaken Identity: A Case Report of Simultaneous Right Atrial Myxoma and Bilateral Pulmonary Artery Inflammatory Myofibroblastic Tumor

Jhoanna G. Marcelo¹, Frederick S. Gabriel¹.².³, Jose Donato A. Magno¹.².⁴, Randell S. Arias¹, Laamie N. Cale-Subia¹. ¹Philippine Heart Center, Quezon City, Philippines; ²Angeles University Foundation Medical Center, Pampanga, Philippines; ³Delos Santos Hospital, Quezon City, Philippines; ⁴Philippine General Hospital, Manila, Philippines.

"Interesting Facts on the Sock." Aortic and Pulmonic Valve Endocarditis Secondary to Ruptured Coronary Sinus of Valsalva Aneurysm: A Case Report

<u>Joan R. Montehermoso</u>, Mildred Sayco-Peñas. Jose Reyes Memorial Medical Center, Manila, Philippines.

The Obesity Paradox: Improved Survival in Obese Compared to Non-Obese Patients with Medically-Managed Severe Aortic Stenosis and Preserved Left Ventricular Ejection Fraction

Nicholas Ngiam¹, Nicholas Chew¹, Rebecca Teng¹, Benjamin YQ Tan¹, Hui Wen Sim¹.², William KF Kong¹.², Tiong-Cheng Yeo¹.², Kian-Keong Poh¹.². ¹National University Health System, Singapore, Singapore; ²National University Heart Centre, Singapore, Singapore.

Common Atrium and Single Ventricle Associated with Unusual Heterotaxy Syndrome: A Rare Complex Congenital Heart Disease in a 19-Year Old Filipino Patient

<u>Madeleine P. Perocho</u>, Jason Roy M. Bacani. Philippine Heart Center, Quezon City, Philippines.

Myofibroblastic Sarcoma with Myxoid Features Mimicking Pulmonary Embolism

Maria Jhessica A. Pecson, Leilani G. Adama. Philippine Heart Center, Quezon City, Philippines.

Prosthetic Mitral Valve Endocarditis with Concomitant Cerebral Embolism

<u>Maria Jhessica A. Pecson</u>, Ma Consolacion D. Torres. Philippine Heart Center, Quezon City, Philippines.

Pulmonary Artery and Pulmonic Valve Vegetations in a Young Pregnant Filipino with Patent Ductus Arteriosus

Jezreel L. Taquiso, <u>Valerie R. Ramiro</u>, Stephanie Martha O. Obillos, Charlene F. Agustin, Jose Donato A. Magno, Eric Oliver D. Sison. University of the Philippines – Philippine General Hospital, Manila, Philippines.

Left Ventricular Free Wall Rupture with Pseudoaneurysm Formation from Penetrating Cardiac Injury

<u>Janine Paola T. Rangel</u>, Warren S. Rondilla. Philippine Heart Center, Quezon City, Philippines.

Incidence and Predictors of Tricuspid Regurgitation Determined by Two-Dimensional and Three-Dimensional Echocardiography after Permanent Pacemaker Implantation

<u>Janine Paola T. Rangel</u>, Viannely Berwyn F. Flores. Philippine Heart Center, Quezon City, Philippines.

CHA2DS2-VASc Scores Predict All-Cause Mortality and Congestive Cardiac Failure Admissions in Patients with Moderate to Severe Aortic Stenosis

Zest Yi-Yen Ang¹, Ching-Hui Sia², Hui-Wen Sim², Nicholas Jinghao Ngiam³, Benjamin Yong-Qiang Tan³, Tiong-Cheng Yeo¹-², William Kok-Fai Kong¹-², Kian-Keong Poh¹-². ¹Yong Loo Lin School of Medicine, National University of Singapore, Singapore; ²National University Heart Centre, Singapore, Singapore, ³National University Health System, Singapore, Singapore.

When More Isn't Better: A Quadricuspal Aortic Valve Mimicking Acute Coronary Syndrome

<u>Debbie Lynn A. Udarbe</u>, Jose Donato A. Magno, Edgar Wilson G. Timbol, Jose Eduardo D. Duya. Angeles University Foundation Medical Center, Angeles City, Philippines.

The Value of Global Longitudinal Strain (GLS) and Global Circumferential Strain (GCS) as a Predictor of Outcomes after Mitral Valve Surgery

<u>Melinda A. Vencio</u>, Edwin S. Tucay, Romeo J. Santos. Philippine Heart Center, Quezon City, Philippines.

Contrast Enhanced Ultrasound (CEUS) of the Entire Heart with Investigational Contrast Bubble and Assessment with Commercially Available Speckle Tracking Strain Imaging Software Demonstrates Accurate Cardiac Function Measurements

Bruno Cotter¹, Monet Strachan¹, Anthony DeMaria¹, Joan Main², <u>Chung-Hsin Wang</u>². ¹University of California San Diego, San Diego, California; ²Trust Bio-Sonics, Zhubei City, Hsinchu County, Taiwan.

The Ominous Duo: Left Ventricular Non-Compaction in an Adult with Patent Ductus Arteriosus

Emily Mae Yap, Edward Nino Gacrama, Ana Beatriz Medrano. Philippine Heart Center, Quezon City, Philippines.

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