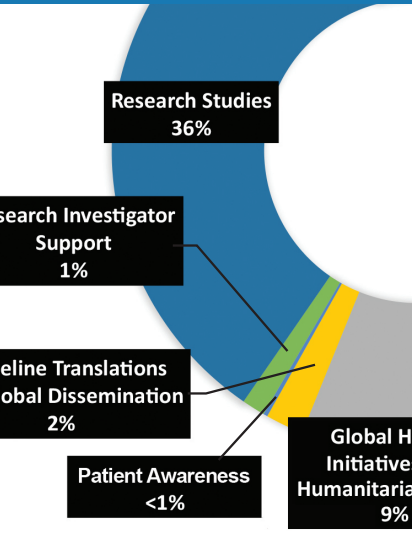




ASE Foundation

NEWSLETTER

2017 WINTER



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ASE Foundation
 PRESENTS
 the 8th Annual
Research Awards Gala
 Celebrating Cardiovascular Ultrasound Research
 FEATURING
 ASE's 2017 Award Recipients
 7:00 - 11:00 pm | Saturday, June 3, 2017
 Hippodrome Theatre at the France-Merrick Performing Arts Center

March 20th is ASEF's
Spring Giving Day
Give Where Your Heart Is
24 Hours of Giving Back



It's a Wrap on a Wonderful Year: A Time for Gratitude and Anticipation!

Jose Banchs, MD, FASE, 2016-2017 ASE Foundation Annual Appeal Committee Chairman



As we bid farewell to a very successful 2016 and move forward into the New Year, the ASE Foundation would like to thank the Foundation Committee for their efforts in achieving so many important milestones. Please join me in expressing appreciation to my co-chair, David Rubenson, MD, FASE, and our team members: Craig Fleishman, MD, FASE; Edward Gill, MD, FASE; Georgeanne Lammertin, MBA, RCS, RDCS, FASE; Elizabeth McIlwain, MHS, RCS, FASE; Navin Nanda, MD; Bharatbhushan Patel, RDCS, FASE; Peter Rahko, MD, FASE; Vincent Sorrell, MD, FASE; Douglas Shook, MD, FASE; Matt Umland, RDCS, FASE; Lissa Sugeng, MD, MPH, FASE; and Mani Vannan, MD, MBBS, FASE. I have a special mention for our immediate past chair, Thomas Ryan, MD, FASE who always has been a great model. I admit I was not thrilled initially at the thought of filling this position after someone like him but after having a few 1:1 conversations with him I felt so comfortable with his advice and permanently smooth manner, that in my mind I think I remember those conversations as if they happened in my living room recliners, head back, and with drinks in hand.

The guidance in moving our mission forward has been invaluable, and it is, in part, through the committee's efforts at fundraising that we came very close to our most ambitious Annual Appeal goal

Our members really came through for the ASEF on Giving Tuesday. (I call it "Super Giving Tuesday")! Thank you to the 88 donors who donated a record-breaking total of \$20,320 in 24 hours.

Our members really came through for the ASEF on Giving Tuesday (I call it "Super Giving Tuesday")! Thank you to the 88 donors who donated a record-breaking total of \$20,320 in 24 hours, doubling our original goal of raising \$10,000 in just one day! Drs. Kaul, Klein, Rigolin, Wieggers, and Weissman joined me in making early pledges to match the first \$6,500 raised, so I'd like to shout out to them as well. And a special thanks to the Chinese American Heart Association (CnAHA) for their generous contribution. This was the best Giving Tuesday ever for us! Each year we've doubled the amount raised in the previous year, a trend that we hope will continue as we move forward into ever more ambitious projects. I feel as this day is now cemented in our calendars moving forward as one of the most important and productive of our appeal.

In 2016 we were fortunate to be the recipients of a grant from the Edwards Lifesciences' Every Heartbeat Matters program for our medical mission work. A \$30,000 grant supported our work in the Philippines, Kenya, and China, and we're very excited to

announce that Edwards has committed to a grant of \$50,000 to support missions in China and Vietnam in 2017.

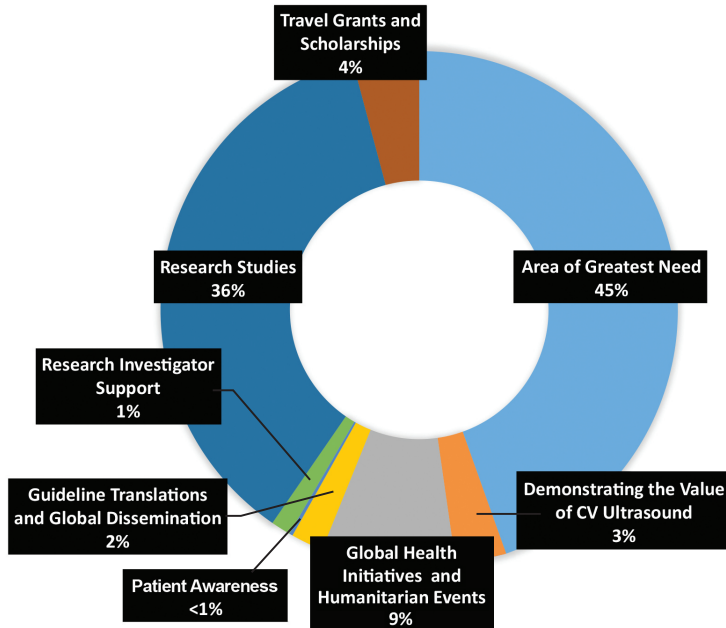
As we look back at the success of our missions in 2016, a warm thank you goes to their leaders. For our July mission to Legazpi City, Albay, Philippines, they were ASE Foundation representative David Adams, ACS, RCS, RDCS, FASE; Philippine Heart Association Bicol Chapter representative Narciso Thad S. Ciocson, MD; U.S. Navy Commander David Krause, MD; and Philippine Society of Echocardiography representative Edwin S. Tucay, MD. A September mission to Xi'an, China, was led by Cynthia Taub, MD, FASE, and Liwen Liu, MD, of Xijing Hospital. Finally, a September mission to Eldoret, Kenya, was led by Michael C. Foster, RCS, RDCS, FASE; Gregory Tatum, MD, FASE; and Myra Maghasi, MD, of our local partner Moi Teaching and Referral Hospital.

So what are we looking forward to for 2017? First, there's a mission to Cuba planned for April! June's Scientific Sessions will include a number of ASEF initiatives, from a CV Challenge in which attendees can compete for prizes while improving their cardiovascular health, to the 8th Annual Research Awards Gala, a red-carpet event to be held at Baltimore's Hippodrome Theatre at the France-Merrick Performing Arts Center on June 3. And, in addition to a wide array of scholarships and travel grants, the winners of two new awards will be announced at this year's Scientific Sessions. The annual Katanick Scholarship Award includes a \$1,000 student scholarship for the highest ranking student sonographer candidate nominated for ASEF scholarship awards and up to \$500 in travel reimbursement to attend the ASE Scientific Sessions. It honors the legacy of Sandy Katanick, RN, RVT, CAE, who retired as CEO of the Intersocietal Accreditation Commission after over 25 years of service. The Adams Global Service Award recognizes David B. Adams, ACS, RCS, RDCS, FASE, who contributed to the success of the ASEF humanitarian missions with his international mission experience, clinical skills, and leadership abilities. He retired from Duke University Medical Center, Durham, NC in November 2016. Beginning this year, a \$1,500 travel grant award will be presented on an annual basis to one sonographer mission volunteer.

In summary, this was another great year for the Foundation and the future continues to be extremely bright; I look forward to sharing my gratitude in our upcoming sessions in person.

2016 Annual Appeal Summary

The ASE Foundation met 91% of its \$250,000 fundraising goal for the 2016 Annual Appeal, raising \$228,682. Donors allocated their gifts as follows:



In addition to the 2,912 donors who contributed to the Annual Appeal (see pages 9-11), we are honored to thank the following partner organizations:

2016 Annual Appeal Supporters

Cardiovascular Credentialing International
Chinese American Heart Association
Greater Houston Echo Society
Massachusetts General Hospital
Mayo Clinic
MedStar Health
National Board of Echocardiography, Inc.
Northeast Ohio Cardiac Imaging Association
Oregon Health & Science University
Western Washington Society of Echocardiography

2016 Annual Appeal Partner

Intersocietal Accreditation Commission

2016 Partners in Care

Financial grant support, in-kind equipment, and logistical arrangements for global health events.

Edwards Lifesciences Foundation

Central China, September 2016

Xijing Hospital, Xi'an
Yan'an People's Hospital, Yan'an
Ainuo Foundation

Eldoret, Kenya, September 2016

AMPATH Consortium
Bay Labs, Inc.
Duke Hubert-Yeargan Center for Global Health
Hitachi Aloka Medical America, Inc.
Moi Teaching and Referral Hospital, Eldoret
Terason
Toshiba America Medical Systems

Legazpi City, Philippines, July 2016

Bicol Regional Training & Teaching Hospital, Legazpi City
BioSolutions / GE Healthcare
HealthSolutions Inc. / SIEMENS Healthineers
Philippine Heart Association
Philippine Society of Echocardiography
Respicare Ent. / Mindray
RG Meditron Inc. / Hitachi Aloka Medical
U.S. Navy's 2016 Pacific Partnership

In-kind Research Support for the World Alliance Societies of Echocardiography (WASE) Normal Values Study

Intelemage
MedStar Health
TOMTEC IMAGING SYSTEMS GMBH
University of Chicago

Ongoing Support through Multi-Year Grants for Scholarships and Travel Grants

Elsevier Inc.
National Board of Echocardiography, Inc.
TOMTEC IMAGING SYSTEMS GMBH
UltraEcho, Ltd.

Looking Ahead

100% of every dollar donated to the 2016 Annual Appeal will go back out into the field in 2017. Thanks to you, this year the Foundation will be able to:

- Support 46 educational scholarships and travel grants for young echo practitioners.
- Implement three global health events in Cuba, China, and Vietnam, providing clinician training and direct patient care.
- Host four live webinars based on new ASE Guidelines, as well as translate those guidelines into multiple languages and disseminate them globally.
- Enhance patient awareness of echo by creating patient summaries for new ASE Guidelines.
- Fund one research grant on the role of echo in structural heart disease.
- Complete the WASE global research project to determine normal chamber quantification values across the world.

Every gift is meaningful. Every contribution makes a difference. Together, we will continue to make a world of difference in 2017!



March 20 – Spring Giving Day

March 31 – Deadline for Photo Submissions for the 2017 Images from the Heart Exhibition (see page 8)

April - ASEF Global Health Event in Havana, Cuba (visit ASEFoundation.org/Cuba)

April 1 - Deadline to apply for the ASEF's 2017 Council Travel Grants (visit ASEFoundation.org/Council-Travel-Grants)

April 16 - Deadline for 2017 Mission Volunteer Applications (visit ASEFoundation.org/Volunteer)

June 3 – 8th Annual Research Awards Gala in Baltimore, MD (see page 6)

November 28 – Giving Tuesday

Call for Volunteers for 2017 Global Health Events Closes April 16

The Foundation is now accepting volunteer applications for two global health events this fall. Teams will be working in Xi'an, China in September, and Hanoi, Vietnam in October. Both physician and sonographer volunteers are needed to participate in these events. If you would like to learn more about these opportunities, visit ASEFoundation.org/Volunteer. If you can fulfill the requirements listed and are interested in applying to volunteer, please complete and submit the applicable volunteer application form.

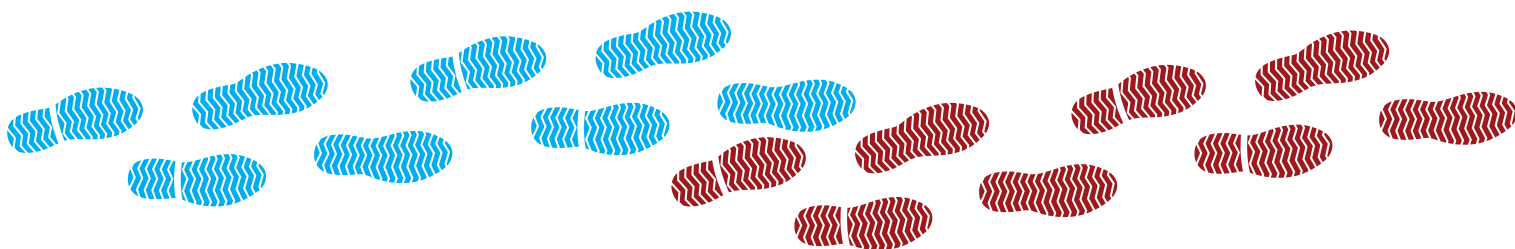
We are continuously impressed by the incredible generosity and enthusiasm of our community for this type of volunteerism. Thank you for helping us make a world of difference!

Council Travel Grants Available: Application Closes April 1

Don't miss your opportunity to apply for a 2017 ASE Foundation Council Travel Grant. These \$1,000 travel grants for trainees support attendance at the ASE Annual Scientific Sessions, which will be held June 2-6 in Baltimore, Maryland. To apply, contact nread@asecho.org for instructions.

COMPETE WITH YOUR FEET – Join the ASEF Cardiovascular Challenge in June

Get moving with the ASE Foundation! Plan now to attend this summer's Scientific Sessions in Baltimore, MD. While you are there, you can sign up to participate in a cardiovascular health competition during the meeting. ASEF is highlighting physical activity, which can dramatically lower an individual's risk of cardiovascular disease, improve mental health, and lower the risk of obesity-related diseases. This "pedometer challenge," sponsored by Studycast, is designed so attendees visit key areas around the convention center that display step targets. Participants record steps taken each day and compete to log the most steps. Each day's tally will be displayed at the ASE Foundation booth so the participants can check in on their competition. Great prizes, like a free hotel room, will be awarded to the top three participants with the most steps, so don't forget to pack your walking shoes!



Your Gifts in Action: How an ASE Research Grant Changed the World of Cardiology – Role of TEE Guided Cardioversion in Atrial Fibrillation

I recently returned from the EuroEcho Imaging 2016 meeting in Germany and have been reflecting on the story they wrote about me entitled “Prof. A Klein: A look at his life and his achievements and into the future of imaging in atrial fibrillation.” I vividly remember how my interest in this field was kick-started by a small but important ASE Outcomes Research Award from 1998 about the cost-effectiveness of Transesophageal Echocardiography (TEE) to guide electrical cardioversion in patients with atrial fibrillation: the ACUTE trial. This grant helped in publishing the lead article in the *New England Journal of Medicine* in May 2001, which has significantly changed clinical practice in cardiology.

My journey began in the early 1990s when at an ASE Scientific Session, I noted the potential of TEE in imaging the left atrial appendage (LAA), the source of blood clots in atrial fibrillation (AF). My hypothesis was that by imaging the LAA for blood clots in these high-risk AF patients, the risk of stroke could be lowered by not cardioverting these patients and thus avoiding thromboembolism. I returned home very excited about this theory. Subsequently, on the imaging hospital service at Cleveland Clinic, I had a patient with atrial fibrillation of unknown duration that needed a cardioversion. At that time, I advocated a new and expedited strategy to cardiovert the patient with the TEE-guided approach by imaging the LAA, compared to the conventional approach of prescribing warfarin blindly for at least three to four weeks before cardioverting the patient, thus delaying the cardioversion.

That discussion led to the initiation of an IRB proposal to compare the two strategies and a pilot study was performed about the feasibility of this new approach, which was published in the *Annals of Internal Medicine* in 1996. Our group at the Cleveland Clinic discovered that the TEE-guided approach needed to have full anticoagulation at the time of the cardioversion and for at least seven days after because of the potential for stroke due to stunning of the left atrium and left atrial appendage after the cardioversion. Because of this early success, we sought funding to do a multicenter study and applied for several grants including the ASE outcomes award, an AMA grant and an unsuccessful NIH grant.

With limited funding and a lot of enthusiasm, we were able to perform a large clinical trial worldwide of 1,222 patients comparing a TEE-guided cardioversion approach to a conventional approach. We found that the TEE-guided approach was safe and feasible and a clinically reasonable alternative to the conventional approach of cardioversion of AF; this landmark study was published in the *New England Journal of Medicine* in 2001. We went on to publish many sub-studies including the cost effectiveness of this new approach, six month follow-up and quality of life change.



Contributed by Allan L. Klein, MD, FASE, ASE President (2016-2017)

The ACUTE trial has led to implementation of the TEE-guided approach in the current CHEST and AHA/ACC guidelines for the management of cardioversion of atrial fibrillation.

Currently, imaging is playing an important role in AF whether using echo, cardiac CT, MRI, intracardiac echo or fusion imaging. My major interest in the field is the role of TEE in pulmonary vein isolation (another ASE outcomes award), the new LAA closure devices as well as strain imaging to assess LA function after pulmonary vein ablation.

Throughout my 27 year career, I have been very thankful for this ASE outcomes award, which not only helped me develop professionally but also helped shape clinical

practice today in the management of atrial fibrillation. Currently it is estimated that well over 60-70% of clinicians are using the TEE-guided approach to cardioversion of AF. With the

establishment of the ASE Foundation in 2003, our organization has continued to impact the field through research awards, scholarships, travel grants, and humanitarian missions. My story is proof that even a small grant from the ASE and ASEF can make a world of difference in cardiology!

Throughout my 27 year career, I have been very thankful for this ASE outcomes award, which not only helped me develop professionally but also helped shape clinical practice today in the management of atrial fibrillation.

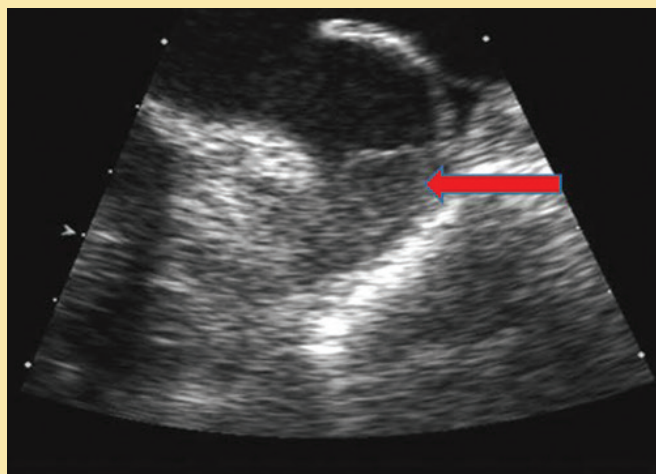


Figure: Detection by TEE of a LAA clot (arrow) in a 55 year old patient with AF. The cardioversion was cancelled due to the finding of the clot.

Celebrating Cardiovascular Ultrasound Research at the 2017 Gala

We are rolling out the red carpet for ASEF's "Opening Night" on Saturday evening, June 3 at the Hippodrome Theatre where the spotlight will shine bright on our 2017 Award Recipients. We hope to see you there in your red carpet best!

The Hippodrome was built in 1914 as a vaudeville and movie house. The theatre has been carefully restored to its original grandeur and will provide guests with a fascinating back-drop for the evening festivities. Attendees will have an opportunity to

network on the main stage during the cocktail hour, and return for a nightcap and dancing at the end of the evening. Dinner will be held in an adjoining ballroom, beautifully decorated for the occasion.

Registration is now open for tables and individual ticket sales. Visit ASEFoundation.org/Gala to reserve your seat. A portion of each table or ticket sale is considered a charitable tax donation to the ASE Foundation's 2017 Annual Appeal.



2017 ASE Stars of the Evening

Council on Pediatric & Congenital Heart Disease Founders Award

Jean-Claude Fouron, MD, FRCP(c), CM, OQ,
Emeritus Professor
University of Montreal, Montreal, QC, Canada

Meritorious Service Award

Alan S. Pearlman, MD, FASE
University of Washington Medical Center, Seattle, WA

Outstanding Achievement in Perioperative Echocardiography Award

Robert M. Savage, MD
McLeod Healthcare System, Florence, AL

Physician Lifetime Achievement Award

William J. Stewart, MD, FASE
Cleveland Clinic, Cleveland, OH

Richard Popp Excellence in Teaching Award

Muhamed Saric, MD, PhD, FASE
New York University Medical Center, New York, NY

Sonographer Lifetime Achievement Award

Margaret M. Park, BS, ACS, RDCS, RVT, FASE
Cleveland Clinic, Cleveland, OH

The Foundation also invites you to join our current 2017 Table Captains (Benefactor Level). A table at this level receives prime seating for 10, recognition in the event program, a listing on the ASEF website, and a listing in a group ad recognizing your support in the ASE Scientific Sessions Final Program.

Thank you to this year's Table Captains!

Edward Gill, MD, FASE; Richard Grimm, DO, FASE; Rebecca Hahn, MD, FASE; Sanjiv Kaul, MD, FASE; Allan Klein, MD, FASE; Vera Rigolin, MD, FASE; Geoffrey Rose, MD, FASE; Raymond Stainback, MD, FASE; Lissa Sugeng, MD, FASE; and Neil Weissman, MD, FASE.

The National Board of Echocardiography is also supporting the Gala with the purchase of an Advocate Level table and sponsoring the onsite photo booth and DJ.

If you would like more information on becoming a Table Captain or other registration questions, please contact Mary Alice Dilday at gala@asecho.org or by phone at 919-297-7188.

Your Gifts in Action: ASE Guideline Implementation and Dissemination – Pursuing a Worthy Goal

Is it enough to simply write guideline documents, or should we also be providing tools to implement and disseminate the guidelines? What tools should we provide? Those are the questions ASE routinely considers, and the answers change over time with new technology, resources, and international partners.

Implementation

Posters, apps, pocket guides, and webinars are useful tools to assist with the adoption and implementation of ASE recommendations. In addition, the writing groups are working to make the guideline documents more user-friendly, with the help of tables, algorithms, illustrations, and videos, as well as the list of “key points” you will find at the end of each section in the most recent documents. Cases will soon be available on ASEcho.org as a supplement to upcoming documents, starting with the Native Valvular Regurgitation document coming this spring.

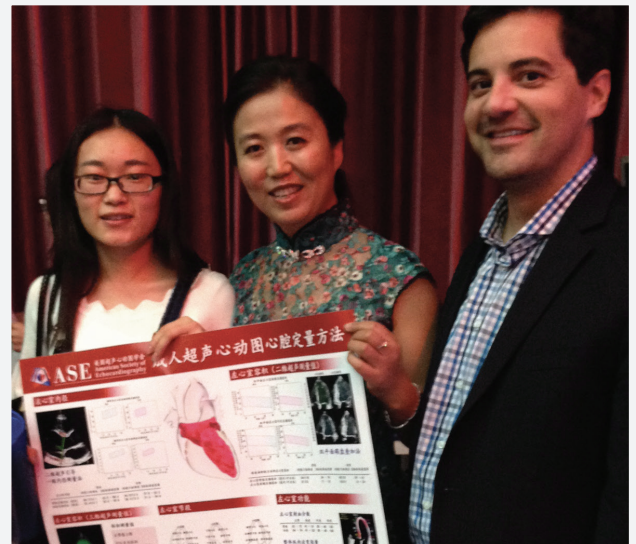
Dissemination

USB drives allow us to easily place all the guideline documents on a device the size of your thumb nail for easy access (a popular ASE giveaway at meetings worldwide). The newly organized guidelines page on ASE’s main website, ASEcho.org/Guidelines, gives you the most up-to-date documents (check out the new search tool!), and you can visit onlinejase.com as well for quick access (guidelines tab at the top of the home page). Guideline documents at both websites are available for all members of the medical community without password protection. To allow the worldwide medical community to better understand and implement the ASE recommendations, why not make them available in their languages? We’re doing just that, with translations provided by physician and sonographer volunteers in their native languages. You will find these translations at ASEcho.org/Translations.

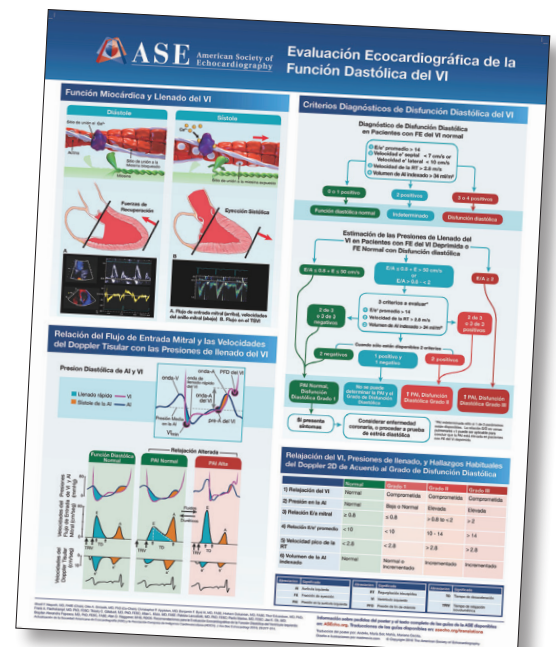
Your contributions to the ASE Foundation allow the guideline documents and supporting tools to be implemented and disseminated globally. Translated ASE guideline posters can be found on the walls of echo labs from China to Cuba. We annually recruit our international members at ASE’s Scientific Sessions to record translations of our guideline webinars, then post them on

YouTube, WeChat, or the websites of our International Alliance Partners. A recent flurry of translation activity from Chinese and Chinese-American physicians and sonographers has resulted in a total of 34 Chinese translations!

Continuously improving the global dissemination and implementation of quality cardiovascular ultrasound for improved patient care worldwide is an ambitious but worthy goal. With your support, it is a goal we will continue to pursue.



Chinese translations of ASE guideline posters were distributed at the ASEF global health initiative in central China.



ASE’s LV Diastolic Function poster has already been translated to Spanish in preparation for the ASEF educational event in Cuba.



Drs. Arnaldo Rabischoffsky (Brazil) and Vera Rigolin, ASE President-Elect, collaborated in June to record a Portuguese translation of ASE’s LV Diastolic Function webinar.

IMAGES FROM THE HEART: Touching Lives, Bridging Cultures

A Curated Photo Exhibit by the American Society of Echocardiography Foundation Give Us Your Best Shot!

*Photo entries will be accepted February 1 – March 31, 2017**

In recent years, we have been inspired by photographs taken by ASE members while traveling the world to participate in various humanitarian events. As ASE members, there is no doubt that you excel at taking images of the heart. Now we would like to give you the opportunity to share the images you've taken from the heart. Perhaps you took a special photo of a child you met along the way, the chaos of traffic in India, a marketplace in China, daily life in Hanoi, or a new group of friends in Argentina. We invite you to share these heartfelt memories (and tell us what they mean to you) for a special photography exhibit to be held during ASE 2017 in Baltimore, June 2-6, 2017.

Theme: Photographs taken while the photographer was participating in humanitarian or training events that were medical in nature. The photographs themselves need not be medically themed, but may capture faces of people met along the way, landscapes, cultural observations, etc. If you do submit a photograph of a patient examination, we ask that you be respectful in protecting the privacy and dignity of the patient.

Entry Rules: The ASEF photo exhibit is open to entries by all members of the American Society of Echocardiography, regardless of whether the medical humanitarian event was sponsored by ASEF or another non-profit/NGO organization. Non members who participated in an ASEF-sponsored humanitarian event may also submit entries.

**The photo entries will be accepted electronically February 1 – March 31, 2017. Entries from the ASEF April 2017 event in Havana will have an extended deadline of April 30, 2017. All images must have been photographed no earlier than January 2012.*

Up to 26 entries, selected by an external curator, will be matted and displayed in a photo exhibit during ASE 2017 in Baltimore. All other qualifying entries will be displayed electronically during ASE's Scientific Sessions in Baltimore. You do not need to be present at the ASE 2017 to participate. The photo display may also be available as a traveling photo exhibit following the June 2017 meeting.

For complete information about this exhibition and to enter, please visit ASEFoundation.org/imagesfromtheheart.



Photos shown here were included in the 2016 curated exhibit.

THANK YOU

The ASE Foundation proudly recognizes and thanks these individuals for their leadership and support of the 2016 Annual Appeal. Every gift is meaningful. Every contribution makes a difference. Together, we will continue to make a world of difference in 2017.

ADVOCATE INVESTORS

Physicians \$250+
All others \$100+

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Federico Asch, MD, FASE
Piers Barker, MD, FASE
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Marek Belohlavek, MD, PhD, FASE
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Mary Alice Dilday**
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Julius Gardin, MD, FASE – *In memory of Richard E. Kerber, MD, FASE, a wonderful physician, echocardiographer and human being.*
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G. Wayne Moore, BSC, MBA, FASE
Victor Mor-Avi, PhD, FASE
Kathleen Munson, RDMS, RVT, RDMS, NT – *In honor of Vivian R. Munson & Marian Balsiger. Beloved mother and grandmother who had no money to fight their cardiac disease.*
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Daxa Patel
Hina Patel
Riti Patel, MD, FASE
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Susan Wilansky, MD, FASE
Carol Wilson, RDMS, FASE
Luciana Young, MD, FASE
Jian Zhang

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Physicians & All others \$50+

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Jennifer Liu, MD, FASE

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***Denotes an ASE Foundation Sustainer*

THANK YOU

The ASE Foundation proudly recognizes and thanks these individuals for their leadership and support of the 2016 Annual Appeal. Every gift is meaningful. Every contribution makes a difference. Together, we will continue to make a world of difference in 2017.

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Amish Mehta, MD, FASE

John Menzies, MD

Cheryl Moore

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Rajesh Mowva, MD

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