

ECHO

ON THE INSIDE PASSAGE OF
ALASKA

INAUGURAL



ADVANCE PROGRAM

July 21–28, 2018

**Seven-Night Alaskan Cruise from
Seattle, WA**

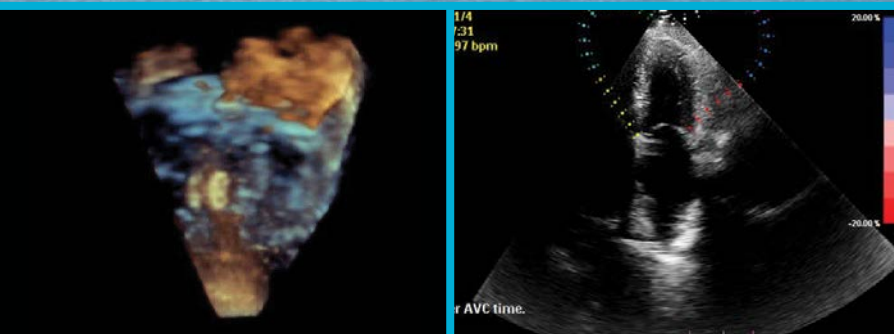
**Four Stops: Juneau, Skagway,
Ketchikan, and Victoria, B.C.**

Course Chair

Steven J. Lester, MD, FASE
Mayo Clinic Arizona
Scottsdale, AZ

Course Highlights:

- Lectures and workshops while the ship is at sea so you can enjoy every stop.
- Learn from the experts in a small, intimate environment.
- Chalk Talks take a deep dive into a popular topic.
- 22 hours of CME education while checking a trip of a lifetime off your bucket list.



Program Information

Echo on the Inside Passage of Alaska

The Inaugural Echo on the Inside Passage of Alaska will take place on an Alaskan cruise as a new educational opportunity that differs from ASE's other courses by providing attendees with a small, intimate environment to learn from the experts. Ships have been sailing from Seattle to Alaska since the gold rush. Now it is your turn to follow in the wake of history on a seven-day cruise vacation filled with glacier-carved fjords, forested islets, and quaint ports along Alaska's famed Inside Passage. Cruise to Alaska from Seattle with ASE; stops in Juneau, Skagway, Ketchikan, and Victoria, British Columbia.

Participants will attend lectures and workshops while the ship is at sea. The current schedule allows for 22 hours of CME education. The expert faculty will present traditional lectures, facilitate three 1-hour workshops, and lead Chalk Talks where they will do a deep dive into a popular topic.

Who Should Attend

Echo on the Inside Passage of Alaska's program is designed for adult and pediatric cardiologists, cardiovascular surgeons, anesthesiologists, radiologists, nurses, sonographers, and fellows in training. Participants should have a practical knowledge of echocardiography.

Course Registration

Registration fees includes \$100 deposit on your cabin of choice, access to course materials, CME credit, and MOC points. ASE members can take advantage of reduced registration fees as a benefit of membership. Register online at ASEcho.org/Alaska.

ASE Membership

Nonmember registrants for the Inaugural Echo on the Inside Passage course will receive a complimentary ASE membership through December 31, 2018, with their registration. **This membership is only available to those who have never been a member of ASE.** ASE serves its members in numerous ways by providing education, advocacy, research, practice guidelines, and a community for their profession. ASE membership includes over \$750 of FREE CME credits a year, in addition to discounts on all ASE educational courses and products. Also included is a monthly subscription to the *Journal of the American Society of Echocardiography* (JASE), online access to CASE, help with legislative coding and reimbursement issues, and other career resources. A plethora of online tutorials, webinars, and other educational activities make membership beneficial to echocardiographers located around the world. View the extensive list of member benefits at ASEcho.org.

Learning Objectives

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

- Utilize 2D and 3D echocardiography in the assessment of mitral, aortic, and tricuspid valve disease.
- Demonstrate how to evaluate left ventricular diastolic function.
- Analyze left ventricular function with state-of-the-art echocardiographic technology including strain and 3D imaging.
- Facilitate implementation of information presented into clinical practice.

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 22 *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 22 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) and the American Board of Anesthesiology's (ABA) Maintenance of Certification in Anesthesiology (MOCA) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity.



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[®].



Accommodations and Lodging

Princess® Alaska Inside Passage Cruise

Stretching from Puget Sound, Washington, through the British Columbia coast, and into the Gulf of Alaska, the Inside Passage includes more than 1,000 islands, seemingly endless shoreline, and thousands of idyllic coves and bays. These are serene waters, where one moment you can be sailing a wide bay of barrier islands and the next you are cruising through a narrow waterway flanked by towering forested walls. That's the splendid spectacle of the Inside Passage — the scenery is constantly changing, from picturesque shores to friendly coastal towns.



The Ruby Princess will set sail from Seattle, July 21 – 28, 2018 and visit the following locations:

Saturday, July 21 – Depart Seattle, Washington

- Pike Place Market
- Space Needle
- Pioneer Square
- Wine Tasting
- Boeing's Future of Flight Aviation Center
- Hiram Chittenden Locks
- International District
- Lake Union

Sunday, July 22 – At Sea

Monday, July 23 – Juneau, Alaska

- Mendenhall Glacier
- Outdoor Adventures
- Whale Watching
- Glacier Flightseeing
- Macaulay Salmon Hatchery
- Glacier Gardens
- Dog Sledding
- Mount Roberts Tramway

Tuesday, July 24 – Skagway, Alaska

- White Pass & Yukon Route Railroad
- Outdoor Adventures
- Klondike Summit
- Gold Rush History
- Yukon (Canada)
- Haines
- Red Onion Saloon
- Dog Sledding

Wednesday, July 25 – Glacier Bay National Park (Scenic Cruising)

Thursday, July 26 – Ketchikan, Alaska

- Outdoor Adventures
- Totem Bight State Park
- Saxman Native Village
- Alaska Rainforest Sanctuary
- Misty Fjords National Monument
- Great Alaskan Lumberjack Show
- George Inlet Lodge
- Creek Street

Friday, July 27 – Victoria, British Columbia

- Butchart Gardens
- Legislative Buildings
- Fairmont Empress Hotel
- Beacon Hill Park
- Victoria Butterfly Gardens
- Craigdarroch Castle
- Victoria Pubs
- Whale Watching

Saturday, July 28 – Arrive back in Seattle, Washington

Onboard Experience

- Movies Under the Stars®
- The Sanctuary (Adults-only retreat)
- Lotus Spa® & Fitness Center
- Casino gaming
- Top-headliner comedians
- Broadway-style production shows
- Alaska Enrichment programs
- Freshly prepared cuisine

For more information and itinerary highlights, please visit princess.com/learn/cruise-destinations/alaska-cruises/roundtrip/seattle/index.jsp. Please note that all shore excursions are at your own expense.



For your convenience, ASE has reserved a block of balcony cabins on the Ruby Princess for the seven-day Inside Passage with Glacier Bay cruise. ASE was able to secure a special promotion that includes all gratuities, \$100 shipboard credit per person, and the popular middle of the ship cabins for the first 75 cabins reserved before May 4. Your registration fee includes a \$100 deposit on your cabin of choice. You will receive information on how to reserve your cabin in your confirmation email.

Invited Faculty

Course Chair

Steven J. Lester, MD, FASE
Mayo Clinic Arizona
Scottsdale, AZ

Invited Faculty

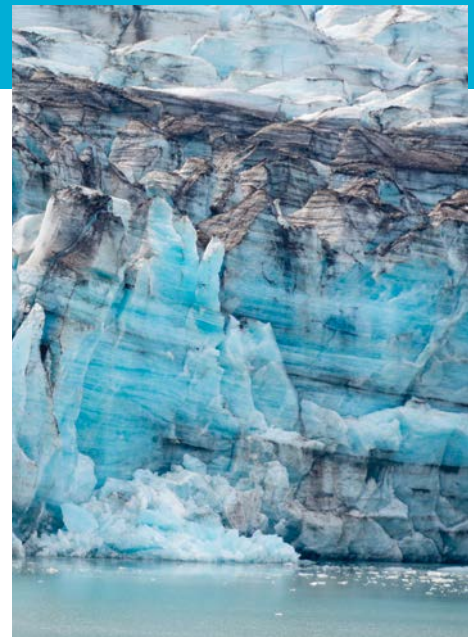
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Vera H. Rigolin, MD, FASE
President, ASE
Northwestern Medicine
Chicago, IL

William A. Zoghbi, MD, FASE
Past President, ASE
Houston Methodist Hospital
Houston, TX



Schedule of Events

SUNDAY, JULY 22, 2018

7:00 AM	Registration
7:45 AM	Welcome and Course Introduction
AORTIC VALVE DISEASE	
8:00 AM	Echocardiographic Evaluation of Aortic Stenosis Severity
8:30 AM	Aortic Stenosis: How to Define Severity When There is Area Gradient Mismatch
9:00 AM	TAVR: What Does the Imager Need to Know Pre-Implant, During Implant, and Post-Implant
9:30 AM	Aortic Regurgitation: Get with the Guidelines
10:00 AM	Break

MITRAL VALVE DISEASE

10:15 AM	Echocardiographic Evaluation of Mitral Regurgitation: How to Characterize Both the "Anatomy" and Severity of Regurgitation
10:45 AM	Percutaneous Options to Treat Mitral Regurgitation: What Does the Imager Need to Know?

TRICUSPID REGURGITATION

11:30 AM	No Longer the Forgotten Valve: How to Characterize Both the "Anatomy" and Severity of Regurgitation
12:00 PM	Let's Better Understand the New Frontier for Percutaneous Intervention
12:30 PM	Lunch Break

PROSTHETIC VALVES

2:00 PM	Evaluation of Aortic Valve Prostheses: A Case-based Approach
2:30 PM	Evaluation of Mitral Valve Prostheses: A Case-based Approach
3:00 PM	Endocarditis: Evaluation and Management
3:30 PM	Break
3:45 PM	Read with the Experts: Review Interesting and Complex Valve Disease Cases
5:00 PM	Adjourn

MONDAY, JULY 23, 2018

3D VALVE WORKSHOP: LEARN HOW TO ACQUIRE, CROP, AND INTERPRET

8:00 AM	3D Images of Mitral Valve
8:50 AM	3D Images of Aortic Valve
9:40 AM	3D Images of Tricuspid Valve
10:30 AM	Adjourn

WEDNESDAY, JULY 25, 2018

DIASTOLOGY 101

4:00 PM	Echocardiographic Evaluation of Diastolic Function
4:30 PM	Pericardial Disease: Constriction and Tamponade
5:00 PM	Diastology Workshop: Cases and Practice Review
6:00 PM	Adjourn

THURSDAY, JULY 26, 2018

LEFT VENTRICLE

1:00 PM	How Should I Evaluate and Report Left Ventricle Size and Function?
1:30 PM	Myocardial (Strain) Imaging: What Is This? Research Tool or Real Clinical Application?
2:00 PM	3D Evaluation of Left Ventricular Volume and Ejection Fraction: Show Me How to Do This?
2:30 PM	Contrast Echocardiography: What, When, and How to Use Ultrasonic Enhancing Agents?
3:00 PM	Break

RIGHT VENTRICLE

3:30 PM	How Should I Evaluate and Report Right Ventricle Size and Function?
4:00 PM	Right Heart Hemodynamics: Echocardiographic Evaluation of Right Heart Hemodynamics
4:30 PM	Read with the Experts: Interesting and Complex Cases
5:30 PM	Adjourn



Schedule of Events

FRIDAY, JULY 27, 2018

STRESS ECHOCARDIOGRAPHY

8:00 AM	Indications and Interpretation
8:30 AM	Beyond Coronary Artery Disease
9:00 AM	Read with the Experts: Case Examples in Stress Echocardiography
9:30 AM	Strain Workshop: How to Acquire and Measure Strain
10:30 AM	Break

CARDIOMYOPATHIES AND SYSTEMIC DISEASE

11:00 AM	Hypertrophic Cardiomyopathy: Evaluation and Management
11:30 AM	Echocardiography in Systemic Disease
12:00 PM	Hypertrophic Cardiomyopathy or Phenocopy? The Walls of the Left Ventricle are Thick. Why?
12:30 PM	Lunch Break

ECHO EMERGENCIES

2:00 PM	Acute Aortic Syndromes
2:30 PM	Complications of Myocardial Infarction
3:00 PM	Break

ECHO POTPOURRI

3:30 PM	Watchman Device: For Whom and What Does the Imager Need to Know?
4:00 PM	LVADs: Basic Approach to Imaging and What to Report
4:30 PM	Imaging For Cardiovascular Risk Prediction
5:00 PM	Adjourn



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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 Registrar@ASEcho.org or by telephone at 919-861-5574.

Special Dietary Needs: _____

Registration Fees: Please circle the registration type you would like to purchase.

	Through June 21, 2018	After June 21, 2018
ASE Physician Member	\$700	\$800
Physician Nonmember*	\$850	\$950
ASE Sonographer/Allied Health Member/Fellow Member	\$500	\$600
Sonographer/Allied Health Nonmember/Fellow Nonmember*	\$750	\$850

* This registration fee includes ASE membership through December 31, 2018. Membership is only available to those who have never been a member of ASE.

Please note: The course registration fees do not include the cost of the cruise, shore excursions, or your travel to and from Seattle, WA.

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/Alaska.



ASE Foundation

American Society of Echocardiography
2530 Meridian Parkway, Suite 450
Durham, NC 27713

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