

3rd Annual Comprehensive Review of Intraoperative Echo

February 8-13, 2000

Introduction for Anesthesiologists - Basic TEE, February 8-9
Comprehensive Review of Intraoperative Echo, February 10-12
Surgical Wet Laboratory, February 13



Sheraton Harbor Island
San Diego, CA

Co-Sponsored by



Society of Cardiovascular
Anesthesiologists



American Society of
Echocardiography

Accreditation

The Society of Cardiovascular Anesthesiologists is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

Faculty

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Director, Division of Cardiovascular Anesthesia
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Bruce A. Bollen, MD
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The International Heart Institute of Montana

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Professor
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Michael G. Licina, MD, FACC
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Assistant Professor in Medicine
Duke University Medical Center
Chief, Anesthesiology Service
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and Perioperative Medicine
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Department of Anesthesiology, Perioperative and Pain Medicine
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Professor of Anesthesiology
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Vice Chair, Department of Anesthesiology
Director, Intraoperative Echocardiography
Mercy Hospital of Pittsburgh

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Director, Cardiac Transplant Program
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Sidney K. Edelman, PhD
Department of Cardiology
Texas Heart Institute

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Professor of Medicine, Cardiology
Director of Non-Invasive Surgery
Emory University School of Medicine

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Hemodynamic Laboratory
Consultant, Division of Cardiovascular Diseases and Internal Medicine
Mayo Clinic

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Adjunct Professor, Anesthesiology
University of Washington School of Medicine

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University of Toronto
Director of Clinical Cardiology
The Toronto Hospital

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Loma Linda University School of Medicine
Medical Director of Non-Invasive Cardiac Imaging and Academic Programs
Hoag Heart Institute

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Associate Professor of Medicine
Department of Cardiology
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Professor of Medicine and Biomedical Engineering
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Massachusetts General Hospital
Professor of Medicine
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James B. Young, MD, FACC
Head, Section of Heart Failure and Cardiac Transplant Medicine
Medical Director, Kaufman Center for Heart Failure
Cleveland Clinic Foundation

Introduction for Anesthesiologists – Basic Transesophageal Echo (February 8-9)

Target Audience

This course is designed for anesthesiologists, cardiologists, sonographers and cardiac surgeons as a basic review of intraoperative echo.

Course Objectives

After attending the Introduction for Anesthesiologists – Basic Transesophageal Echo educational activity the participant will:

- Understand the basic principles of 2D echo, spectral and color Doppler echocardiography;
- Learn to recognize basic cardiac anatomy, conduct a basic TEE examination, and evaluate basic function of the left ventricle and heart valves;
- Be aware of common errors and misinterpretations of cardiac anatomy;
- Have the basic knowledge necessary to establish an Echo Service that incorporates quality assurance as part of an intraoperative TEE program and enhances patient care.

Accreditation

The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 18.5 hours in category I credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Comprehensive Review of Intraoperative Echo (February 10-12)

Target Audience

This course is designed for anesthesiologists, cardiologists, sonographers, and cardiac surgeons as a comprehensive review of intraoperative echo.

Course Objectives

The program will focus on the physical principles of ultrasound technology and their intraoperative application. This will include the anesthetic management and surgical decision making process of adult and pediatric patients undergoing cardiac and noncardiac surgical procedures.

Upon completion of this course, the participant will be capable of understanding the application of advanced echocardiographic diagnostic principles in the surgical patient including:

- the physics of ultrasound and its incorporation into current echocardiographic technology
- the components of the comprehensive intraoperative echo examination
- ventricular function and regional wall motion assessment and its correlation with other diagnostic studies such as coronary angiography
- the pathophysiology of valvular heart disease and its intraoperative assessment
- the principles guiding the surgical decision making process in cardiac surgery involving myocardial revascularization, valve repair or replacement, myectomy for LVOT obstruction, congenital heart disease, and thoracic aorta repair

Accreditation

The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 24 hours in category I credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Surgical Wet Laboratory (February 13)

Target Audience

This course is designed for anesthesiologists, cardiologists, cardiac surgeons, and sonographers as a comprehensive review of intraoperative echo.

Course Objectives

The program will focus on the physical principles of ultrasound technology and their intraoperative application. This will include the anesthetic management and surgical decision making process of patients undergoing cardiac and noncardiac surgical procedures utilizing interactive case presentations. A "wet lab" experience with cow hearts will be available to demonstrate surgical cardiac anatomy and highlight the technical issues which must be addressed by the intraoperative echo.

Upon completion of this course, the participant will be capable of understanding the application of advanced echocardiographic diagnostic principles in the surgical patient including the surgical and echocardiographic anatomy of the heart and the technical considerations involved in mitral valve repair, aortic valve / root repair or replacement, obstructive hypertrophic cardiomyopathy, and surgical management of congestive heart failure.

Accreditation

The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 4 hours in category I credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Introduction for Anesthesiologists – Basic Transesophageal Echo

Tuesday, February 8

Morning Session

Moderator: Robert M. Savage, MD

- 7:00 Continental Breakfast
- 7:45 **Introduction and Course Overview and Principles of the Intraoperative Examination**
Robert M. Savage, MD
- 8:00 **Basic Physics of Ultrasound Equipment: 2D, Doppler (PW/CW)**
Sidney K. Edelman, PhD
- 8:30 **Basic Knobology of Common Platforms**
Stanton K. Shernan, MD
- 9:00 **SCA-ASE Standardized TEE Examination Nomenclature**
Jack S. Shanewise, MD
- 9:30 Coffee Break
- 10:00 **Evaluation of Global and Regional LV Systolic Function**
Michael K. Cahalan, MD
- 10:30 **Evaluation of RV Function**
Jonathan B. Mark, MD
- 11:00 **Basic Cardiac Function Unknowns**
Michael K. Cahalan, MD; Robert M. Savage, MD
Jack S. Shanewise, MD; Jonathan B. Mark, MD
- 12:00 Lunch

Afternoon Session

Moderator: Solomon Aronson, MD

- 1:00 **Imaging Artifacts**
Sidney K. Edelman, PhD
- 1:30 **Common Anatomic Pitfalls**
Steven N. Konstadt, MD
- 2:00 **Mitral Valve Anatomy and Standardized ASE-SCA Nomenclature**
Bruce A. Bollen, MD
- 2:30 **Mitral Stenosis: Basic Evaluation**
Robert M. Savage, MD
- 3:00 Coffee Break
- 3:30 **Mitral Regurgitation: Basic Evaluation**
Colleen G. Koch, MD
- 4:00 **Artifacts and MV Unknowns**
Colleen G. Koch, MD; Michael K. Cahalan, MD;
Jack S. Shanewise, MD; Solomon Aronson, MD;
Bruce A. Bollen, MD
- 5:30 Adjourn

Evening Session

Moderator: Robert M. Savage, MD

- 7:00 **Intraoperative Wall Motion Workshop**
Michael K. Cahalan, MD
Solomon Aronson, MD
- 9:00 Adjourn

Wednesday, February 9

Morning Session

Moderator: Stanton K. Shernan, MD

- 7:00 Continental Breakfast
- 8:00 **Basic Aortic Valve Anatomy and Echo Examination**
Steven N. Konstadt, MD
- 8:30 **Aortic Stenosis: Basic Evaluation**
Albert T.W. Cheung, MD
- 9:00 **Aortic Regurgitation: Basic Evaluation**
Christopher A. Troianos, MD
- 9:30 Coffee Break
- 10:00 **Basic Anatomy of the Pulmonic and Tricuspid Valves**
Jonathan B. Mark, MD
- 10:30 **Tricuspid and Pulmonic Valve Stenosis/Regurgitation**
Christopher A. Troianos, MD
- 11:00 **Aortic Valve, Tricuspid, and Pulmonic Valve Unknowns**
Jonathan B. Mark, MD; Steven N. Konstadt, MD;
Albert T.W. Cheung, MD; Christopher A. Troianos, MD
- 12:00 Lunch with Exhibitors

Afternoon Session

Moderator: Steven N. Konstadt, MD

- 1:00 **Basic Prosthetic Valve Recognition and Dysfunction**
Michael G. Licina, MD
- 1:30 **Basic Echo Anatomy of the Aorta and Evaluation of Disease**
Steven N. Konstadt, MD
- 2:00 **Evaluation of Hypotension in the Critical Care Unit**
Scott T. Reeves, MD
- 2:30 Coffee Break
- 3:00 **Introduction to Diastolic Function**
Robert M. Savage, MD
- 3:30 **Basic Echo of Congenital Heart Disease in the Adult**
Kathryn Rouine-Rapp, MD
- 4:00 **Unknowns**
Michael G. Licina, MD; Steven N. Konstadt, MD;
Scott T. Reeves, MD; Robert M. Savage, MD;
Kathryn Rouine-Rapp, MD
- 5:00 Adjourn

Evening Session

Moderator: Steven N. Konstadt, MD

- 7:00 **Valvular Heart Disease Workshop**
Steven N. Konstadt, MD; Christopher A. Troianos, MD;
Robert M. Savage, MD; Bruce A. Bollen, MD
- 9:00 Adjourn

Comprehensive Review of Intraoperative Echo

Thursday, February 10

Morning Session

Moderator: Robert M Savage, MD

- 7:00 Continental Breakfast
- 7:45 **Introduction and Course Overview**
Robert M. Savage, MD, FACC
- 8:00 **Basic Physics of Ultrasound and Digital Imaging**
Alan S. Pearlman, MD, FACC
- 9:00 **Physics Behind the Knobs**
James D. Thomas, MD
- 9:30 Coffee Break
- 10:00 **Indications and Safety Issues for Transesophageal Echo**
Daniel M. Thys, MD
- 10:30 **Standardized Intraoperative Examination**
Jack S. Shanewise, MD
- 11:00 **Imaging Artifacts**
Arthur E. Weyman, MD
- 11:30 **Ventricular Systolic Function: Regional and Global LV/RV Function**
Michael K. Cahalan, MD
- 12:00 Lunch with Exhibitors

Afternoon Session

Moderator: Harry Rakowski, MD

- 1:00 **Diastolic Dysfunction: Intraoperative Evaluation and Surgical Decision Making**
James D. Thomas, MD
- 1:30 **Cardiac Hemodynamics and Quantitative Echo**
Daniel M. Thys, MD
- 2:00 **Intracardiac Masses**
Fletcher A. Miller, MD
- 2:30 Coffee Break with Exhibitors
- 3:00 **Cardiomyopathies**
Randolph P. Martin, MD
- 3:30 **Intraoperative Assessment of Stenotic Valve Lesions**
Jack S. Shanewise, MD
- 4:00 **Intraoperative Assessment of Regurgitant Valve Lesions**
Alan S. Pearlman, MD
- 4:30 **Intraoperative Assessment of the Aorta**
Steven N. Konstadt, MD
- 5:00 Adjourn

Evening Session

- 7:00 **Hemodynamics Workshop**
Fletcher A. Miller, MD; Stanton K. Sherman, MD
- 9:00 Adjourn

Friday, February 11

Morning Session: Surgical CADz Symposium

Moderator: Solomon Aronson, MD

- 7:00 Continental Breakfast
- 8:00 **Intraoperative Assessment of Regional Wall Motional Abnormalities**
Michael K. Cahalan, MD
- 8:30 **Intraoperative Evaluation of Other Complications of Ischemic Heart Disease**
Anthony N. Demaria, MD
- 9:00 **Predicting Myocardial Viability**
Solomon Aronson, MD
- 9:30 **Newer Strategies for Myocardial Protection**
Gerald Buckberg, MD
- 10:00 Coffee Break with Exhibitors
- 10:30 **Intraoperative Echo in Higher Risk Coronary Artery Surgery**
Robert M. Savage, MD, FACC
- 11:00 **Intraoperative Echo-Off Pump Coronary Artery Bypass**
Jack S. Shanewise, MD
- 11:30 **Intraoperative Decision Making in Coronary Artery Surgery**
Patrick M. McCarthy, MD; Robert M. Savage, MD; Robert A. Guyton, MD; Jack S. Shanewise, MD
- 12:30 Lunch with Exhibitors

Afternoon Session: Thoracic Aortic Surgery Symposium

Moderator: Daniel M. Thys, MD

- 1:30 **Normal Echocardiographic Anatomy of the Thoracic Aorta**
Harry Rakowski, MD
- 2:00 **Intraoperative Evaluation of Thoracic Aortic Disease**
Randolph P. Martin, MD
- 3:00 Coffee Break with Exhibitors
- 3:30 **Interactive Case Presentations Aneurysms of the Thoracic Aorta**
Randolph P. Martin, MD; Robert A. Guyton, MD
- Dissecting Aneurysms of the Thoracic Aorta**
Harry Rakowski, MD; Christopher M. Feindel, MD
- 5:00 Adjourn

Surgical Wet Laboratory

Saturday, February 12

Morning Session: Valvular Surgery Symposium

Moderator: Randolph P. Martin, MD

- 7:00 Continental Breakfast
- 8:00 **Intraoperative Evaluation of the Aortic Valve**
Harry Rakowski, MD
- 8:30 **Choice of Valve Procedure in Aortic Valve Disease**
Christopher M. Feindel, MD
- 9:00 **Intraoperative Evaluation of the Mitral Valve**
Pravin M. Shah, MD
- 9:30 **Choice of Valve Procedure in Mitral Valve Disease**
Delos M. Cosgrove, MD
- 10:00 **Current Indications for the Ross and Mitral Homograft**
Paul Seltzer, MD
- 10:30 Coffee Break
- 11:00 **Interactive Audience-Panel Discussions**
Intraoperative Decision Making in Aortic Valve Disease
Harry Rakowski, MD; Christopher M. Feindel, MD
Intraoperative Decision Making in Mitral and Tricuspid Valve Disease
William J. Stewart, MD; Delos M. Cosgrove, MD
Intraoperative Decision Making in Ross Procedure and Mitral Homografts
Daniel M. Thys, MD; Paul Seltzer, MD
- 12:45 Luncheon Session
The Most Important Issues Facing Cardiac Surgery at the Beginning of the Millennium: Perspectives of the Presidents of the AATS
Delos M. Cosgrove, MD

Afternoon Session: Surgical Management of the CHF Symposium

Moderator: James B. Young, MD

- 2:00 **Pathophysiology of CHF**
James B. Young, MD
- 2:45 **Intraoperative Assessment of CHF and Its Complications**
Randolph P. Martin, MD
- 3:15 Coffee Break
- 3:45 **Case Presentation: Mitral Valvuloplasty, CABG & Dor Procedure**
Robert M. Savage, MD; Patrick McCarthy, MD
Case Presentation: CHF
Valluvan Jeevanandam, MD
- 5:15 Adjourn

Sunday, February 13

Moderators: Carlos M.G. Duran, MD; Pravin M. Shah, MD

- 7:00 Continental Breakfast
- 8:00 **Normal Cardiac Anatomy**
Carlos M.G. Duran, MD
Mitral Valve Repair Procedures
Carlos M.G. Duran, MD
Ross Procedure
James H. Oury, MD
Dor Procedure
Patrick M. McCarthy, MD
Partial Left Ventriculectomy
Patrick M. McCarthy, MD
Aortic Root Procedures: Valve Resuspension
Christopher M. Feindel, MD
Mitral Homografts
Paul Seltzer, MD
- 12:00 Adjourn

Travel Information

Air Transportation

Association Travel Concepts (ATC) has been selected as the official travel agency for the 3rd Annual Comprehensive Review of Intraoperative Echo, February 8-13, 2000 at the Sheraton Harbor Island, San Diego, CA.

By calling ATC, you will receive 10-15% off airline tickets purchased more than 60 days prior to your travel dates or a 5-10% discount for tickets purchased less than 60 days prior to the meeting.

ATC offers the lowest available fares on ANY airline traveling to San Diego; advance seat assignments; special advance meal requests on airline flights; frequent flier programs; electronic ticketing; and Email access for convenient booking of your tickets.

To take advantage of these great rates contact Association Travel Concepts: **Phone: 1-800-458-9383; Email: atc@asntravel.com; or fax (858) 581-3988.** ATC is available 6:00 am - 5:30 pm PST Monday through Friday.

Shuttle

A complimentary Airport Shuttle runs continuously. Self parking at the hotel is \$12.00 per day.

Society of Cardiovascular Anesthesiologists

P.O. Box 11086
1910 Byrd Ave., Suite 100
Richmond, VA 23230-1086

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Hotel Reservation Form

Comprehensive Review of Intraoperative Echo February 8-13, 2000

The Sheraton Harbor Island Hotel Welcomes the SCA and ASE

Sheraton Harbor Island Hotel

Reservations Department
1380 Harbor Island Drive
San Diego, CA 92101-1092
Reservations: Phone (619) 692-2265 • Fax (619) 692-2312
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Please print or type

Name _____
Last First MI

Preferred Mailing Address _____

City, State, Zip _____

Office Phone _____ Home Phone _____ Fax # _____

Accompanying Person(s) Name(s) _____ #Adults _____ #Children _____
Extra Adults in a room are \$20 per night.

Please Reserve:

_____ Rooms My Arrival Date is: _____ Arrival Time: _____ My Departure Date is: _____
Check in time is 3:00pm, but we try to accommodate early arrivals, check out time is 12 noon. For suites, please contact hotel directly.

Standard Room \$189 Single \$209 Double
Premium Room \$199 Single \$219 Double (Guaranteed Views)
Club Room \$219 Single \$239 Double (Located in East Tower Only)
Suites \$350 Lanai Suites \$500 Executive Suites
(Club Rooms and Suites include: Continental Breakfast & Evening Hors D'Oeuvres in our Private Lounge, Health Club Access and Local Phone Calls.)
(If your requested room and bedding type is not available, an alternate will be assigned.)

Non Smoking Smoking King 2 Double Beds Request Crib (Based on availability)

Special Requests: _____ Sheraton Club International # _____

All reservations must be accompanied by a deposit for the first night room and 10.545% tax. There is no penalty for cancellations 14 days prior to the date of arrival. The deposit will be non refundable if the reservation is not cancelled 14 days prior to arrival.

Enclosed is my Check/Money Order in the amount of \$ _____ (Please make payable to Sheraton Harbor Island Hotel)

Please charge first night's deposit to my: VISA MasterCard American Express Diners Club
 Enroute JCB Discover

Card No. _____ Exp. Date _____

Signature _____ Name Printed on Card _____

Cut-off date: January 7, 2000

All rooms are subject to availability

Society of Cardiovascular Anesthesiologists

Previous conference participants requested:

- more lectures in basic echo
- added lectures in basic anatomy
- more case presentations
- additional coverage of hemodynamics
- beginning the Wet Lab with a general overview of the surface anatomy of the heart

We responded:

- by providing two full days of Basic TEE
- by offering five didactic sessions covering aspects of basic anatomy
- by implementing additional case presentations covering a variety of topics and including audience participation
- by offering a two-hour Hemodynamics Workshop
- by beginning the Wet Lab with Normal Cardiac Anatomy

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Future Meeting Dates

May 6-10, 2000

22nd Annual Meeting & Workshops

Walt Disney World Dolphin

Orlando, FL

June 1-3, 2000

7th International Congress of Cardiothoracic & Vascular Anesthesia

Château Frontenac

Québec City, QC, Canada