

9th Annual Comprehensive Review & Update of Perioperative Echo Clinical Decision Making in the Cardiac Surgery Patient

Basic - February 13-15, 2006

Advanced - February 16-18, 2006

Sheraton San Diego Hotel & Marina
San Diego, CA

For Cardiologists, Cardiothoracic Surgeons, and Cardiovascular Anesthesiologists



Society of Cardiovascular
Anesthesiologists



American Society of
Echocardiography

Society of Cardiovascular Anesthesiologists

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www.scahq.org
Watch the website for meeting
updates and online registration

9th Annual Comprehensive Review & Update of Perioperative Echo

Statement of Need

Perioperative echocardiography has become an integral tool in the management of patients undergoing various cardiac surgical procedures. However, the development of expertise demands an understanding of ultrasound technology and its utilization in the evaluation and guidance of the surgical management of cardiovascular dysfunction. The members of the Society of Cardiovascular Anesthesiologists and the American Society of Echocardiography have demanded interdisciplinary, patient-oriented educational programs to teach the requisite skills necessary for this diagnostic and monitoring to impact patient care. This interdisciplinary program sponsored by the SCA and offered in cooperation with ASE has been developed to meet the growing demand for such educational needs.

Target Audience

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

PROGRAM DIRECTORS

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Basic (February 13-15)

Monday, February 13, 2006

Cardiac Anatomy - Image Plane Correlation

Moderator: GS Hartman

7:15 - 7:45 am	Continental Breakfast
7:45 - 8:00 am	Introduction and Overview of the Week GS Hartman, SK Shernan
8:00 - 8:30 am	Probe Placement and Manipulation GS Hartman
8:30 - 9:00 am	Comprehensive Exam JS Shanewise
9:00 - 9:30 am	Principles of Ultrasound AC Perrino, Jr
9:30 - 10:00 am	Knobology for Image Optimization ST Reeves
10:00 - 10:30 am	Coffee Break

Anatomic Workshop – Part 1

10:30 am -12:15 pm	Anatomic Imaging Plane Workshop Moderator: GS Hartman Faculty: J Fox, KE Glas, KP Grichnik, LB Heller, AC Perrino Jr, ST Reeves, RM Savage, JS Shanewise, SK Shernan, D Shook, L Shore- Lesserson, NJ Skubas
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Luncheon Series

12:15 - 1:45 pm	Update on Perioperative Certification DM Thys
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Anatomic Workshop – Part 2

1:45 - 3:00 pm	Anatomic Imaging Plane Workshop Moderator: GS Hartman Faculty: J Fox, KE Glas, KP Grichnik, LB Heller, AC Perrino Jr, ST Reeves, RM Savage, JS Shanewise, SK Shernan, D Shook, L Shore- Lesserson, NJ Skubas
3:00 - 3:30 pm	Coffee Break

Basic Principles of TEE

Moderator: KP Grichnik

3:30 - 4:00 pm	Artifacts LB Heller
4:00 - 4:30 pm	Anatomic Pitfalls KP Grichnik
4:30 - 5:00 pm	Basic Hemodynamics AC Perrino Jr
5:00 - 7:00 pm	Dinner on Own

Demonstration of Imaging Principles/ Basic Exam/Measurements

Moderator: SK Shernan

7:00 - 9:00 pm	Performing an Exam: Structure directed vs. Esophageal level GS Hartman, BC Spence Basic Measurements and Values NJ Skubas Live Knobology Workshop: Demonstration of Echo Principles KP Grichnik, D Shook, ST Reeves
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(all registrants will rotate through each station)

Tuesday, February 14, 2006

Basic Transesophageal Echocardiography I

Moderator: LB Heller

6:45 - 7:15 am	Continental Breakfast with Exhibitors
7:15 - 7:30 am	Announcements SK Shernan
7:30 - 8:00 am	Left Ventricular Global Systolic Function MJ London
8:00 - 8:30 am	Right Ventricular Global Systolic Function JB Mark
8:30 - 9:00 am	Diastolic Function SK Shernan
9:00 - 9:30 am	Cases with Faculty and Q & A MJ London, JB Mark, SK Shernan
9:30 - 10:00 am	Coffee Break with Exhibitors
10:00 - 10:30 am	Aortic Regurgitation CA Troianos
10:30 - 11:00 am	Aortic Stenosis L Shore-Lesserson
11:00 - 11:30 am	Evaluation of the Aorta KE Glas
11:30 am - 12:00 n	Cases with faculty and Q & A CA Troianos, L Shore-Lesserson, KE Glas

Luncheon Series

12:00 n - 1:30 pm	Nuts & Bolts of an Intraoperative Echo Service CA Troianos
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Basic Transesophageal Echocardiography II

Moderator: CA Troianos

1:30 - 2:00 pm	Mitral Regurgitation SA Lambert
2:00 - 2:30 pm	Mitral Stenosis LB Heller
2:30 - 3:00 pm	Tricuspid Valve & Pulmonic Valve JB Mark
3:00 - 3:30 pm	Cases with Faculty and Q & A AS Lambert, LB Heller, JB Mark
3:30 - 4:00 pm	Coffee Break with Exhibitors
4:00 - 4:30 pm	Prosthetic Valves ATW Cheung
4:30 - 5:00 pm	Basic Congenital K Rouine-Rapp
5:00 - 5:30 pm	Cardiac Masses L Shore-Lesserson
5:30 - 7:00 pm	Dinner on Own

Regional Wall Motion Workshop

Moderator: D Vezina

7:00 - 7:30 pm	Regional Wall Motion Evaluation D Vezina
7:30 - 9:00 pm	RWMA Unknown Case Presentations D Vezina, AS Lambert, MJ London

Wednesday, February 15, 2006

Cardiac Anatomy Wet Lab

Moderators: BA Bollen, GS Hartman

Faculty: J Fox, KE Glas, KP Grichnik, RM Savage, SK Shernan, D Shook, NG Smedira

6:45 - 7:15 am	Continental Breakfast with Exhibitors
7:15 - 7:30 am	Overview and Announcements GS Hartman
7:30 - 10:30 am	Cardiac Anatomy CMG Duran
10:30 - 11:00 am	TEE Correlations of Cardiac Anatomy BA Bollen
11:00 am - 1:30 pm	Lunch on own

Non-Cardiac Surgical Applications of Echocardiography

Moderator: LK Wallace

1:30 - 2:00 pm	Echocardiography in the ER/Trauma ST Reeves
2:00 - 2:30 pm	Echo in the ICU & Cath Lab JG Ramsay
2:30 - 3:00 pm	Echocardiography for Vascular Cannulation BC Spence
3:00 - 3:30 pm	Coffee Break with Exhibitors

Echocardiography for Aortic Aneurysms & Dissections

Moderator: LK Wallace

3:30 - 4:00 pm	Aortic Aneurysms & Dissections DA Zvara
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Echocardiography for Off-Pump CABG

4:00 - 4:30 pm	Echocardiography for Off-Pump CABG JS Shanewise
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Emerging Applications of Perioperative Ultrasound

4:30 - 5:00 pm	Hand-held Echo for Transthoracic Echocardiography D Oxorn
5:00 - 5:30 pm	Perioperative Ultrasonography for Peripheral Nerve Block BC Spence
5:30 - 6:00 pm	Break (on own)

New Echocardiography Technology Reception

6:00 - 7:30 pm	Reception with Industry: New Echocardiography Technology (no CME hours awarded) SK Shernan, GS Hartman, RM Savage
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Advanced (February 16-18)

Thursday, February 16, 2006

Advanced Echocardiography I

Ventricular Function

Moderator: S Aronson

7:00 - 7:45 am	Continental Breakfast with Exhibitors
7:45 - 8:00 am	Announcements GS Hartman, SK Shernan
8:00 - 8:30 am	Advanced Systolic Function ATW Cheung
8:30 - 9:00 am	Advanced Diastolic Function: "Beyond the E- and A-Wave" JD Thomas
9:00 - 9:30 am	Echocardiographic Assessment of Myocardial Viability S Aronson
9:30 - 10:00 am	Coffee Break with Exhibitors

Echocardiography for Heart Failure & Pericardial Disease

Moderator: S Aronson

10:00 - 10:30 am	Echocardiographic Evaluation of Cardiomyopathies A Maslow
10:30 - 11:00 am	Intraoperative Echo for Ventricular Assist Devices and Heart Transplant D Oxorn
11:00 - 11:30 am	Echocardiographic Evaluation of Pericardial Disease EG Avery

Aortic Atheromatous Disease & Neurocognitive Outcome

11:30 - 12:00 n	Aortic Atheromatous Disease & Neurocognitive Outcome I Kronzon
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Luncheon Series

12:00 n - 1:30 pm	Future of Echocardiography CM Otto
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Advanced Echocardiography II

New Technologies

Moderator: D Shook

1:30 - 2:00 pm	3D/4D Echocardiography D Shook
2:00 - 2:30 pm	Tissue Doppler/Strain TBD
2:30 - 3:00 pm	Coffee Break with Exhibitors

Aortic Valve - Advanced

Moderator: D Shook

- 3:00 - 3:30 pm Timing of Surgery/Intervention for Asymptomatic Valve Disease
C Otto
- 3:30 - 4:00 pm Intraoperative Echocardiographic Assessment of the Aortic Valve
I Kronzon
- 4:00 - 4:30 pm Surgical Options for the Dysfunctional Aortic Valve
N Smedira
- 4:30 - 5:00 pm Cases with Faculty and Q & A
CM Otto, I Kronzon, NG Smedira
- 5:00 - 7:00 pm Dinner on Own

Hemodynamic Workshop

Moderator: SK Shernan

- 7:00 - 7:30 pm Review of Hemodynamic Principles & Quantitative Doppler
JS Shanewise
- 7:30 - 9:30 pm Case Discussions
SN Konstadt, MG Licina, JS Shanewise, SK Shernan, LK Wallace

Friday, February 17, 2006

Role of Echocardiography in Perioperative Clinical Decision-Making

Moderator: RM Savage

- 7:00 - 7:45 am Continental Breakfast
- 7:45 - 8:00 am Announcements
SK Shernan, GS Hartman
- 8:00 - 8:30 am What to do about Pre-CPB 2+ MR?
RM Savage
- 8:30 - 9:00 am MS/MR Post Repair of MV
MG Licina
- 9:00 - 9:30 am Echocardiography to Facilitate Weaning from CPB
RF Brooker
- 9:30 - 10:00 am Coffee Break
- 10:00 - 10:30 am Unanticipated Ascending Aortic Dilatation: How Big is Too Big?
ATW Cheung

- 10:30 - 11:00 am Echocardiography for Adult Congenital Heart Disease
IA Russell
- 11:00 - 11:30 am Echocardiographic Options when TEE is Contraindicated
KE Glas
- 11:30 am - 12:15 pm Faculty's Favorite Cases: Decision Dilemmas and Unknowns
RM Savage, MG Licina, RF Brooker, ATW Cheung, IA Russell, KE Glas

Luncheon Series

- 12:15 - 1:30 pm Future of Cardiac Surgery
SF Bolling

Advanced Mitral Valve

Moderator: RM Savage

- 1:30 - 2:00 pm Intraoperative Assessment of the Mitral Valve
SN Konstadt
- 2:00 - 2:30 pm Ischemic Mitral Regurgitation
WJ Stewart
- 2:30 - 3:00 pm Surgical Repair of the Mitral Valve
SF Bolling
- 3:00 - 3:30 pm Cases with Faculty and Q & A
SN Konstadt, WJ Stewart, SF Bolling
- 3:30 - 4:00 pm Coffee Break

"Test Yourself"

Moderator: DA Zvara

- 4:00 - 5:30 pm Mock Video Case & Written Exam
DA Zvara, RF Brooker, LK Wallace, D Oxorn, BC Spence, EG Avery
- 5:30 - 7:30 pm Dinner on Own
- 7:30 - 9:30 pm Test Review
DA Zvara, RF Brooker, LK Wallace, D Oxorn, BC Spence, EG Avery

Saturday, February 18, 2006

Moderators: SK Shernan, GS Hartman

- 6:45 - 7:30 am Continental Breakfast
- 7:30 - 10:30 am You're the Intraoperative Echocardiography Consultant
SK Shernan, GS Hartman, RF Brooker, A Maslow, MG Licina, IA Russell



Society of Cardiovascular Anesthesiologists



American Society of Echocardiography

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



Scientific Program Registration

9th Annual Comprehensive Review & Update of Perioperative Echocardiography

February 13-18, 2006

(Please print or type)

Name _____ MD PhD Other _____
Last First MI

Address _____

City, State, Zip _____

Office Phone () _____ Home Phone () _____

Fax () _____ Email _____

Anesthesiologist Cardiologist Surgeon Resident (CA 1, CA 2, CA 3) Other _____

(check one)

- Member (SCA)
- Member (ASE)
- Non-Member (MD, DO, PhD)
- Resident/Fellow*
- Allied Health

	Basic (February 13-15)		Advanced (February 16-18)	
	(Thru Dec. 12, 2005)	(After Dec 12, 2005)	(Thru Dec 12, 2005)	(After Dec 12, 2005)
Member (SCA)	\$750	\$800	\$750	\$800
Member (ASE)	\$750	\$800	\$750	\$800
Non-Member (MD, DO, PhD)	\$950	\$1,000	\$950	\$1,000
Resident/Fellow*	\$550	\$600	\$550	\$600
Allied Health	\$850	\$900	\$850	\$900

If attending both the basic and advanced sessions, please add both registration fees and place a total here.

\$ _____ + _____ = \$ _____
 Total \$ _____

*When accompanied by a letter from Department Chairperson, verifying Resident/Fellow Status.

Included in the registration fee are:

Basic: Continental Breakfasts, Coffee Breaks, Lunches, Course Syllabus and Wet Lab.

Advanced: Continental Breakfasts, Coffee Breaks, Lunches, and Course Syllabus.

Optional Evening Sessions: Beverages and Snacks.

Registration Is Limited
Please Register Early

Do you require vegetarian or kosher meals?

If paying by check, make payable to SCA and mail to P.O. Box 11086, Richmond, VA 23230-1086.

Check Credit Card: VISA MasterCard Discover American Express

Card No. _____ Exp. Date _____

Signature _____ Printed Name on Card _____

Refund Policy: A full refund through December 12, 2005; 80% refund from December 13, 2005 through December 27, 2005; no refunds after December 27, 2005. Refunds will be determined by date written cancellation is received.

Americans with Disabilities Act: The Society of Cardiovascular Anesthesiologists has fully complied with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please contact SCA at (804) 282-0084 by January 12, 2006 in order to receive service.

Mail or Fax to:

SCA, P.O. Box 11086, 2209 Dickens Road, Richmond, VA 23230-1086

Phone (804) 282-0084 • Fax (804) 282-0090

If you do not receive a confirmation letter from the SCA office within 30 days of submitting your registration form, please call the office to confirm that your registration material has been received.



Hotel Reservation Form

9th Annual Comprehensive Review & Update of Perioperative Echocardiography

February 13-18, 2006

The Sheraton San Diego Hotel and Marina Welcomes the Society of Cardiovascular Anesthesiologists

Sheraton San Diego Hotel and Marina

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Reservations to →

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1380 Harbor Island Drive
San Diego, CA 92101-1092
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Please Reserve:

_____ Rooms My Arrival Date is: _____ Arrival Time: _____ My Departure Date is: _____

Check in time is 3:00 pm, but we try to accommodate early arrivals, check out time is 12 noon. For suites, please contact hotel directly.

Name _____
Last First MI

Preferred Mailing Address _____

City, State, Zip _____ Email Address _____

Office Phone _____ Home Phone _____ Fax # _____

Accompanying Person(s) Name(s) _____ #Adults _____ #Children _____

Extra Adults in a room are \$20 per night. There is no additional charge for children under the age of eighteen.

- | | | | | |
|---------------|--------------------------|--------------------|--------------------------|---------------------------------|
| Standard Room | <input type="checkbox"/> | \$245 Single | <input type="checkbox"/> | \$265 Double |
| Premium Room | <input type="checkbox"/> | \$255 Single | <input type="checkbox"/> | \$275 Double (Guaranteed Views) |
| Club Room | <input type="checkbox"/> | \$275 Single | <input type="checkbox"/> | \$295 Double |
| Suites | <input type="checkbox"/> | \$500 Lanai Suites | <input type="checkbox"/> | \$750 Executive Suites |

(Club Rooms and Suites include: Continental Breakfast for 2, Health Club Access, Local Phone Calls, and Self Parking)
(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: _____ Starwood Preferred Guest # _____

All reservations must be accompanied by a deposit for the first night room and 10.545% tax. There is no penalty for cancellations 7 days prior to the date of arrival. The deposit will be non refundable if the reservation is not cancelled 7 days prior to arrival.

Reservations include complimentary use of the Health Club and a high-speed internet connection.

Enclosed is my Check/Money Order in the amount of \$ _____ (Please make payable to Sheraton San Diego Hotel & Marina)

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

Card No. _____ Exp. Date _____

Signature _____ Printed Name on Card _____

Cut-off date: Thursday, January 12, 2006

All rooms are subject to availability

Basic (February 13-15)

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 non-cardiac surgical procedures utilizing interactive case presentations. A “wet lab” experience with pig 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.

After attending the 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 & Designation

The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 28 credits in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

Advanced (February 16-18)

Course Objectives

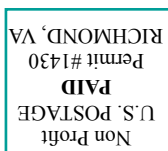
The program will focus on the physical principles of ultrasound technology and their intraoperative application. This will include the anesthetic management and surgical decision-making process of adult and pediatric patients undergoing cardiac and non-cardiac surgical procedures.

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 & Designation

The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 24 credits in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.



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