First Notice

Anesthesiologists Society of Cardiovascular

Orlando, Florida
Walt Disney World Dolphin
May 6-10, 2000

Workshops
22nd Annual Meeting SCA
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Erin A. Sullivan, MD
Stuart J. Weiss, MD
David A. Zvara, MD
General Information

Workshops
Included: Fee includes workshop, continental breakfast, breaks, lunch and syllabus for workshops.

CME Accreditation: See description for individual hours.

Registration Limitations: Please note limitations. Pre-registration of workshops is available to SCA Members only. If space is available, workshops will be open to non-members on site.

22nd Annual Meeting
Location: All scientific sessions and workshops will be held at the Walt Disney World Dolphin, Orlando, FL.

Included: Scientific fee includes (4) continental breakfasts, (7) coffee breaks, (1) reception and the meeting syllabus.

Accompanying Person Fee: The Accompanying Person Fee provides for admission to the Monday evening reception, hospitality suite and exhibit hall.

Accreditation: The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 23 hours in category 1 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.

Perfusionists’ Recertification Points: The American Board of Cardiovascular Perfusion has allotted this meeting a total of 28.8 CEU credits.

Refund Policy
For the Workshops, Annual Meeting, Roundtables and Social Program, a full refund will be provided through March 31, 2000; an 80% refund will be provided from April 1 through April 14, 2000. After April 14, 2000, the Society will not refund any registration fees. Refunds will be determined by the date the written cancellation is received.

Hotel Reservations
A hotel reservation form is included on page 28. In order to receive the group rate, please send your completed hotel reservation form directly to the hotel. All rooms are subject to availability. Reservations may not be guaranteed past the cut-off date of April 5, 2000.

Air Transportation
Association Travel Concepts (ATC) has been selected as the official travel agency for the 22nd Annual Meeting and Workshops, May 6-10, 2000 at the Walt Disney World Dolphin.

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 convention.

ATC offers the lowest available fares on ANY airline traveling to the Orlando area airports; 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 rates contact Association Travel Concepts: Phone: 1-800-458-9383; Email: atc@assntravel.com; or fax (858) 581-3988. ATC is available 6:00 am - 5:30 pm PST Monday through Friday.

Airport - Ground Transportation
Airport shuttle service is available through Mears Transportation Group. You will receive with your registration confirmation a coupon for roundtrip discounted service between the Orlando Airport and the Walt Disney World Dolphin. The cost is $23.00 per person roundtrip, a $4.00 discount. The cost of a one-way taxi is approximately $35.00.

Upon Arrival at the Orlando International Airport, you will find the Mears counters located curbside of the baggage claim areas, as follows:

“A” Terminal: Exit through the doors in front of Baggage Claim Carousel No. 5
“B” Terminal: Exit through the doors in front of United Baggage Claim Carousel No. 8 or Delta Baggage Claim Carousel No. 14

Present your coupon at the Mears counter to receive a discount for the van shuttle, which departs automatically every 15-20 minutes. NO reservations are required.

In order to secure a booking for your return to the airport, you will need to call the Mears reservations number one day prior to your departure. The number is provided on the return portion of the ticket. You may stop by the Mears Transportation Desk located in the lobby of the hotel, open from 7:30 am - 3:00 pm, seven days a week.
Generous and Conditions of Myocardial Ischemia
Following this session, the participant will be able to:
• Discuss recent developments in our understanding of myocardial ischemia.
• Discuss the consequences of myocardial ischemia in a perioperative setting including: myocardial infarction, stunning, myocardial hibernation, and preconditioning.

Arrhythmia Management
Following this session, the participant will be able to:
• Provide a rational basis for the pharmacologic management of perioperative arrhythmias.
• Provide a basic understanding of how and why rhythm devices (pacemaker/ICD) malfunction in the perioperative environment, with new guidelines for preventive management.

The Economics of TEE
Following this session, the participant will be able to:
• Discuss the costs of setting up and providing a perioperative transesophageal echocardiography service.
• Demonstrate how to obtain reimbursement from third party payors for this service.

Perioperative Myocardial Failure
Following this session, the participant will be able to:
• Provide an understanding of the pathophysiology, treatment, and outcomes of congestive heart failure in patients presenting for surgery.
• Provide an understanding of the risk factors, physiology, natural history, treatment, and outcomes of myocardial failure after cardiopulmonary bypass.
• Compare and contrast these two clinical syndromes.

One-Lung Ventilation
Following this session, the participant will be able to:
• Review indications for one-lung ventilation.
• Provide information on current methods of achieving one-lung ventilation.
• Demonstrate how to manage difficulties with one-lung ventilation.

The Clinical Use of Nitric Oxide
Following this session, the participant will be able to:
• Provide a physiologic basis for the clinical use of nitric oxide.
• Discuss the role of nitric oxide in cardiovascular and thoracic anesthesia.

Fast-Track Cardiac Surgery: Successes and Failures
Following this session, the participant will be able to:
• Review the evidence for the "old-style" and that for the "fast track" cardiac surgical programs.
• Discuss the principles of an interdisciplinary fast track program.
• Present data that suggests that routine ICU admission is not required after cardiac surgery.
• Discuss risk stratification as it relates to a fast track cardiac surgical program.
• Discuss the complications of fast track programs.
Tuesday, May 9, 2000

Monograph Session: Minimally Invasive Surgery
The audience will learn:
- The impetus for minimally invasive techniques, their geographic origins, the various perpetrators, and the technological advances that have been necessary to this field.
- The indications, the anesthetic techniques that are successful in managing patients having off-pump coronary surgery, the surgical techniques now employed, and the outcome of such operations.
- The significance of economic factors driving the development of minimally invasive techniques, both from the standpoints of industry and health care management.

Bad Docs vs. Good Docs
The participants will:
- Explore, using examples of major incidents in the UK and USA, our individual and corporate responsibility for the poor behavior of a colleague.

Transfusion Practices in Cardiac Surgery
The participants will:
- Understand that the emphasis on reducing transfusion-transmitted viral disease has led to a safer blood supply, as well as the challenge of the traditional "10/30" transfusion trigger. Interinstitutional variability of transfusion practices in the setting of cardiac surgery is high. New outcomes studies suggest that transfusion carries significant non-infectious risks. The latest thinking on these risks and benefits of transfusion will be reviewed by two experts.

You Can Monitor Depth of Anesthesia During Cardiac Surgery
PRO: The objective of this lecture is to inform the audience regarding the current status of our knowledge of cardiac surgery and the brain. Emphasis will be on the things that can be done to prevent damage to the brain in elderly patients.
CON: At the conclusion of this presentation, the audience will be able to appreciate the difficulty in assessing the level of consciousness in the paralyzed patient. The participant will understand the limitations of the bispectral index when used intraoperatively and postoperatively in the cardiac surgery patient.

Panel Discussion: Clinical Implications of New Pharmacological Strategies
At the conclusion of this session, the participants will be able to:
- Provide a review of the new platelet inhibitory agents with an emphasis on the clinical implications for the anesthesiologists in the perioperative period.
- Provide an update of the management of atrial arrhythmias. A review of the etiology, predisposing factors and therapeutic options will be discussed with an emphasis on the clinical implications of newer pharmacological strategies for the anesthesiologists in the perioperative period.
- Provide an update of the newer pharmacological agents and strategies in the treatment of systemic hypertension in the perioperative period.

Wednesday, May 10, 2000

TEE Interactive Cases
Participants will:
- Learn how to use TEE to evaluate causes of hypotension such as cardiac tamponade, coronary anastomotic problems, unsuspected aortic dissection.
- Use case studies to demonstrate a variety of cardiac masses, their appearance on TEE and show how to avoid some common pitfalls in diagnosis.
- Be able to identify cases of right ventricular dysfunction, tricuspid and aortic valve disease and atrial pathology.
- Be shown and asked to discuss pathologic conditions of the mitral valve as viewed by TEE.
- Understand the important pathological conditions of the thoracic aorta and how to recognize these conditions using echocardiography. Unknowns presented for discussion may include aortic dissection, aortic aneurysm, aortic abscess, and aortic trauma.
Program

Friday, May 5, 2000  Walt Disney World Dolphin
3:00 - 6:00 pm  Registration

Saturday, May 6, 2000  Walt Disney World Dolphin
7:00 - 5:00 pm  Registration
8:00 - 6:00 pm  Optional Workshops for Society Members Only
(see pages 12-20 for Workshop descriptions; see page 23 for registration form)

Sunday, May 7, 2000  Walt Disney World Dolphin
6:45 - 8:00 am  Breakfast Roundtable Problem Based Learning Discussions
(see page 10-11 for table topics; see page 24 for registration form)
7:00 am - 5:00 pm  Registration
7:00 - 8:25 am  Continental Breakfast
8:00 - 6:00 pm  Optional Workshops for Society Members Only
(see pages 12-20 for Workshop descriptions; see page 23 for registration form)
8:25 am - 4:40 pm  Refresher Course
(Open to all Annual Meeting Registrants)
8:25 am  Introductions
Gary W. Roach, MD
8:30 am  Disease of the Proximal Aorta: Implications for the Anesthesiologist
Steven N. Konstadt, MD
9:10 am  Pathogenesis and Consequences of Myocardial Ischemia
William E. Johnston, MD
10:30 am  Arrhythmia Management
John L. Atlee, III, MD
11:10 am  The Economics of TEE
Christopher A. Troianos, MD
12:30 - 1:30 pm  Lunch on own
1:30 pm  Perioperative Myocardial Failure
John F. Butterworth, IV, MD
2:10 pm  One-Lung Ventilation
Peter L. Klineberg, MBBS, FANZCA
3:20 pm  The Clinical Use of Nitric Oxide
Ray D. Latimer, MD
4:00 pm  Fast-Track Cardiac Surgery: Successes and Failures
Eric Jacobsohn, MBChB
5:45 - 7:00 pm  Evening Roundtable Problem Based Learning Discussions
(see page 10 for table topics; see page 24 for registration form)

Annual Meeting Faculty

Martin D. Abel, MBBC
Mayo Clinic
Rochester, MN
Solomon Aronson, MD
University of Chicago
Chicago, IL
John L. Atlee, III, MD
Froedert Memorial Lutheran Hospital
Milwaukee, WI
Joel A. Bennett, DDS, MD
Richmond Anesthesia Specialists, P.C.
Richmond, VA
Elliott Bennett-Guerrero, MD
Columbia-Presbyterian Medical Center
New York, NY
Dominique A. Bettes, MD
Zurich, Switzerland
Paula M. Bokesch, MD
Cleveland Clinic Foundation
Cleveland, OH
John F. Butterworth, IV, MD
Wake Forest University School of Medicine
Winston-Salem, NC
Christopher R. Cartwright, MD
Menlo Park, CA
Davy C.H. Cheng, MD
Toronto Hospital
Toronto, Ontario, Canada
Albert T.W. Cheung, MD
University of Pennsylvania Medical Center
Philadelphia, PA
Grace L. Chien, MD
Portland VA Medical Center
Portland, OR
Fiona M. Clements, MD
Duke University Medical Center
Durham, NC
David J. Cook, MD
Mayo Clinic
Rochester, MN
Richard I. Cook, MD
University of Chicago
Chicago, IL
Wulf Dietrich, MD
German Heart Center
Munich, Germany
Carlos M.G. Duran, MD, PhD
International Heart Institute of Montana
Missoula, MT
Jane C.K. Fitch, MD
Baylor University
Houston, TX
Lee A. Fleisher, MD
Johns Hopkins University
Baltimore, MD
Monday, May 8, 2000

6:45 - 8:00 am  **Breakfast Roundtable Problem Based Learning Discussions**  
(see page 10 for table topics; see page 24 for registration form)

7:00 - 7:55 am  Continental Breakfast

7:55 - 8:00 am  **Welcome**  
Gary W. Roach, MD

8:00 - 10:15 am  **Expert Panel on the Use of Antifibrinolytics in Cardiac Surgery**  
Moderator: C. David Mazer, MD  
- The Efficacy of Antifibrinolytic Agents: Which Drugs and What Doses?  
  Andreas Laupacis, MD  
- Cost Effectiveness of Aprotinin, Epsilon Aminocaproic Acid and Tranexamic Acid  
  Elliott Bennett-Guerrero, MD  
- CNS Effects of Antifibrinolytics During CPB and Deep Hypothermic Circulatory Arrest  
  John M. Murkin, MD  
- Safety of Antifibrinolytics in Cardiac Surgery  
  Jacek M. Karski, MD  
- Non-antifibrinolytic Properties of Antifibrinolytic Agents  
  Wulf Dietrich, MD

10:15 - 11:00 am  Coffee break at Exhibits and Scientific Posters

11:00 am - 12:00 pm  **Session A: Poster Discussions**  
**Session B: ASE/SCA Guidelines for Performing a Comprehensive TEE Exam**  
Jack S. Shaneewise, MD; Albert T.W. Cheung, MD  
**Session C: Pediatric Cardiac Anesthesia – Problems Weaning from Cardiopulmonary Bypass**  
Moderator: Isobel A. Russell, MD, PhD  
- Severe Coagulopathy after CPB  
  Glyn D. Williams, FFA (SA)  
- Evaluation of Hemodynamically Significant Residual Defects  
  Wanda Miller-Hance, MD

12:00 - 12:30 pm  **Business Meeting**

12:30 - 1:30 pm  **Luncheon Roundtable Problem Based Learning Discussions**  
(see page 10 for table topics; see page 24 for registration form)

12:30 - 1:30 pm  Cash Lunch at Exhibits and Scientific Posters

1:30 - 3:30 pm  **Session A: Posters**  
**Session B: Thoracic Session**  
Moderator: Thomas F. Slaughter, MD  
- Lung Transplantation Update  
  Peter D. Slinger, MD  
- Preop Evaluation of the Thoracic Surgery Patient  
  Robert N. Sladen, MD  
- Lung Volume Reduction Surgery  
  Erin A. Sullivan, MD  
**Session C: Pathophysiology of CPB**  
Moderator: Christina Mora Mangano, MD  
- Extracorporeal Circulation and Inflammatory Response  
  Paula M. Bokesch, MD  
- Renal Dysfunction Following CPB: Risks, Prevention, Treatment  
  Susan Garwood, MD  
- Temperature Modulation of CPB-Induced Pathology –What is Too Hot, Too Cold?  
  David J. Cook, MD

Valentin Fuster, MD, PhD  
Mt. Sinai School of Medicine  
New York, NY

Susan Garwood, MD  
Yale University School of Medicine  
New Haven, CT

Lawrence T. Goodnough, MD  
University of Washington School of Medicine  
St. Louis, MO

Hilary P. Grocott, MD  
Duke University Medical Center  
Durham, NC

Zaharia Hillel, MD, PhD  
St. Luke’s/Roosevelt Hospital Center  
New York, NY

Carl C. Hug, Jr., MD, PhD  
Emory University School of Medicine  
Atlanta, GA

Eric Jacobsohn, MBChB  
University of Manitoba  
Winnipeg, Manitoba, Canada

William E. Johnston, MD  
University of Texas Medical Branch  
Galveston, TX

Ronald A. Kahn, MD  
Mt. Sinai School of Medicine  
New York, NY

Marc S. Kanchuger, MD  
New York University  
New York, NY

Jacek M. Karski, MD  
The Toronto Hospital  
Toronto, Ontario, Canada

Peter L. Klineberg, MBBS, FANZCA  
Westmead Hospital  
Westmead, NSW, Australia

Steven N. Konstadt, MD  
Mt. Sinai School of Medicine  
New York, NY

Andre-Stephane Lambert, MD  
St. Michael's Hospital  
Toronto, Ontario, Canada

Ray D. Latimer, MD  
Papworth Hospital  
Papworth, England, United Kingdom

Andreas Laupacis, MD  
Loeb Health Research Institute  
Ottawa, Ontario, Canada

Ronald A. MacKenzie, DO  
Mayo Clinic  
Rochester, MN

Jonathan B. Mark, MD  
Duke University Medical Center  
Durham, NC

C. David Mazer, MD  
St. Michael's Hospital  
Toronto, Ontario, Canada
3:30 - 4:15 pm  Coffee break at Exhibits and Scientific Posters

4:15 - 5:45 pm  **Intraoperative Assessment of the Mitral Valve**
Moderator: Robert M. Savage, MD
- Preoperative Evaluation of the Mitral Valve
  William J. Stewart, MD
- Intraoperative Repair – The Surgeon’s Perspective
  Carlos M.G. Duran, MD, PhD
- Intraoperative TEE Evaluation
  Andre-Stephane Lambert, MD

6:00 - 8:00 pm  Reception in Exhibit Hall

**Tuesday, May 9, 2000**

6:45 - 8:00 am  **Breakfast Roundtable Problem Based Learning Discussions**
(see page 10 for table topics; see page 24 for registration form)

7:00 - 8:00 am  Continental Breakfast

8:00 - 10:15 am  **Monograph Session: Minimally Invasive Surgery**
Moderator: Fiona M. Clements, MD
- Historical Development of Minimally Invasive Cardiac Surgery
  Jack S. Shanewise, MD
- Current Status of Off-Pump Coronary Surgery
  James G. Ramsay, MD
- Current Status of Minimally Invasive Valve Surgery
  Fiona M. Clements, MD
- Economic Impact of Minimally Invasive Cardiac Surgery
  Steven N. Konstadt, MD

10:15 - 11:00 am  Coffee break at Exhibits and Scientific Posters

11:00 am - 12:00 pm  **Session A: Poster Discussions**
**Session B: Bad Docs vs. Good Docs**
Moderator: Ray D. Latimer, MD, MS, FRCS
- The Underperforming Colleague and Whether to Blow the Whistle
  Tom Treasure, MD
- The Impaired Physician and Damage Limitation
  John L. Waller, MD

**Session C: Transfusion Practices in Cardiac Surgery**
Moderator: Grace L. Chien, MD
Lawrence T. Goodnough, MD
Bruce D. Spiess, MD

**Session D: Literature Review**
Moderator: Marc S. Kanchuger, MD
Linda Shore-Lesserson, MD; Joseph G. Reves, MD

11:55 - 1:00 pm  **Luncheon Roundtable Problem Based Learning Discussions**
(see page 10 for table topics; see page 24 for registration form)

12:00 - 1:30 pm  Cash Lunch at Exhibits and Scientific Posters

1:30 - 3:30 pm  **Session A: Poster Discussions**
**Session B: Poster Discussions**
**Session C:**
- **Topic I: Impact of TEE on Expert Performance**
  Moderator: Solomon Aronson, MD
  Pro: Richard I. Cook, MD
  Con: Matthew B. Weinger, MD
- **Topic II: You Can Monitor Depth of Anesthesia During Cardiac Surgery**
  Moderator: Solomon Aronson, MD
  Pro: Joseph G. Reves, MD
  Con: James G. Ramsay, MD
Session D: Management of Thoracic Aneurysm
Moderator: Joel A. Bennett, DDS, MD
• TEE Evaluation of the Thoracic Aorta
  Steven N. Konstadt, MD
• Spinal Cord and Cerebral Protection
  Mark F. Newman, MD
• Perfusion Strategies
  David L. Reich, MD
• Stents, Surgical Techniques and Anesthetic Implications
  Ronald A. Kahn, MD

3:30 - 4:15 pm Coffee break at Exhibits and Scientific Posters

4:15 - 5:45 pm Panel Discussion: Clinical Implications of New Pharmacological Strategies
Moderator: Stanton K. Shernan, MD
• Platelet Inhibitory Agents
  Jane C.K. Fitch, MD
• Update on the Management of Perioperative Atrial Arrythmias
  Davy C.H. Cheng, MD
• New Antihypertensive Agents
  Kathryn Rouine-Rapp, MD

5:45 - 7:00 pm Evening Roundtable Problem Based Learning Discussions
(see page 10 for table topics; see page 24 for registration form)

Wednesday, May 10, 2000

7:00 - 7:55 am Continental Breakfast

7:55 - 8:00 am Introductions
Gary Roach, MD

8:00 - 9:30 am TEE Interactive Cases
Moderator: Zaharia Hillel, MD
• Hemodynamic Instability
  Isobel A. Russell, MD, PhD
• Intracardiac Masses – Pitfalls and Pathology
  Martin D. Abel, MB BCH
• Right Heart Pathophysiology
  Jonathan B. Mark, MD
• The Mitral Valve: Before, During and After Surgery
  Dominique A. Bettex, MD
• Pathology of the Aorta
  Steven N. Konstadt, MD

9:30 - 10:30 am ASA Update
Ronald A. MacKenzie, DO

10:30 - 10:45 am Coffee break

10:45 - 11:45 am Abbott Lecture
Valentin Fuster, MD, PhD

11:45 am - 12:15 pm Grand Rounds
Moderators: Daniel M. Thys, MD; Roger A. Moore, MD

12:15 pm Adjourn
Roundtable Problem Based Learning Discussions

Participants in the Problem Based Learning sessions will receive a syllabus in advance of the meeting, containing the objectives, case for review, questions, references, and a discussion for each Roundtable. Participants are encouraged to review the references prior to the session, in preparation for discussion of the case. Each Roundtable is limited to (15) participants and two faculty members, to allow for small group interaction, discussion, and exchange of ideas.

Sunday, May 7, 2000

SUNDAY BREAKFAST (6:45 - 8:00 am)
1) Non-cardiac Surgery in Patients with Cardiac Disease: Fiona E. Railey, MD & Paul G. Barash, MD
2) Publishing Your Research: Dennis T. Mangano, PhD, MD & Larry Saidman, MD
3) Does Hemodynamics Affect Outcome?: Uday Jain, MD, PhD & David L. Reich, MD
4) Education: Zaharia Hillel, PhD & Alan Jay Schwartz, MD, MSEd
5) ICU Care and Outcomes: Lee A. Fleisher, MD & James G. Ramsay, MD
6) Cardioprotection: David C. Warltier, MD & Solomon Aronson, MD
7) Intraoperative Management of Ischemia: Brian A. Cason, MD & Arthur W. Wallace, MD
8) Transfusion Practices: Hartmut Kern, MD & Joyce A. Wahr, MD

SUNDAY EVENING (5:45 - 7:00 pm)
1) Neuro Complications: Christina Mora Mangano, MD & Christopher R. Cartwright, MD
2) Optimal Management of CPB: John M. Murkin, MD & Isidra Veve, MD
3) Pediatric Cardiac Anesthesia: Roger A. Moore, MD & M.G. Boltz, MD
4) Post Thoracotomy Complications: Frederick A. Hensley, Jr., MD & Charles B. Watson, MD

Monday, May 8, 2000

MONDAY BREAKFAST (6:45 - 8:00 am)
1) Thoracoscopic Procedures: Edmond Cohen, MD & Peter D. Slinger, MD
2) Spinal Cord Protection During Descending Thoracic Aortic Surgery: John E. Ellis, MD & Christopher J. O'Connor, MD
3) Protamine and Coagulation: Jan C. Horrow, MD & Linda Shore-Lesserson, MD
4) Inotropes and Vasoconstrictors: Roberta Hines, MD & Michael B. Howie, MD
5) Intraoperative Right Heart Failure after Heart Transplantation: Eugene A. Hessel, II, MD & Douglas V. Brown, MD
6) Inflammation: Stanton K. Shernan, MD & David A. Zvara, MD
7) Monitoring: State of the Art: Martin J. London, MD & Daniel M. Thys, MD
8) Gender Issues in Cardiovascular Anesthesia: Johanna C. Schwarzenberger, MD & Lena S. Sun, MD

MONDAY LUNCH (12:30 - 1:30 pm)
1) Ischemia and Infarction: Claudia Spies, MD & Edward Lowenstein, MD
2) Neurologic Outcomes in Vascular and Cardiac Surgery: Ronald A. Kahn, MD & David C. Adams, MD
3) Mechanical Support of Circulation: Richard F. Davis, MD & Vinit Wellis, MD
4) Mediastinal Masses: Simon C. Body, MB & Stanley Weber, MD

Tuesday, May 9, 2000

TUESDAY BREAKFAST (6:45 - 8:00 am)
1) Heparin Resistance and Intraoperative Coagulation Monitoring: Jerrold H. Levy, MD & George J. Despots, MD
2) Acute Post-Thoracotomy Pain Management: Alan N. Sandler, MD & Heather A. Nath, MD
3) Management of Intraoperative Ventricular Arrhythmias: Charles W. Hogue, MD & Jeffrey R. Balser MD, PhD
4) Postoperative Acute Renal Failure: Albert T.W. Cheung, MD & E. Andrew Ochroch, MD
5) Minimally Invasive Procedures: Glenn P. Gravlee, MD & Bruce D. Spiess, MD
6) Hypoxemia during One Lung Ventilation: Steven M. Neustein, MD & Erin A. Sullivan, MD
7) Neurological Monitoring in Cardiac Surgery: Richard J. Pollard, MD & Harley S. Geller, MD
8) Perioperative Management of Lung Volume Reduction: Berend Mets, MD, PhD & David S. Bronhiem, MD

TUESDAY LUNCH (11:55 am - 1:00 pm)
1) Lung Separation in a Patient With Difficult Airway: Edmond Cohen, MD & Jay B. Brodsky, MD
2) Aortic Surgery: Michael F. Roizen, MD & George Silvay, MD
3) TEE for Non-cardiac Surgery: Steven N. Konstadt, MD & Robert M. Savage, MD
4) Fast-Tracking: Davy C.H. Cheng, MD & Michael N. D’Ambra, MD

TUESDAY EVENING (5:45 - 7:00 pm)
1) Total Intravenous Anesthesia: Martin Angst, MD & Juliana Barr, MD
2) Nitric Oxide: Ronald G. Pearl, MD, PhD & Laureen L. Hill, MD
3) Newer Drugs: E. Price Stover, MD & Gordon R. Haddow, MD
4) Ethics: Rosemarie Maddi, MD & Richard L. Wolman, MD
PBL Faculty

David C. Adams, MD
New York, New York

Martin Angst, MD
Stanford, CA

Solomon Aronson, MD
Chicago, Illinois

Jeffrey R. Balser, MD, PhD
Nashville, Tennessee

Paul G. Barash, MD
New Haven, Connecticut

Juliana Barr, MD
Palo Alto, California

Simón C. Body, MB
Boston, Massachusetts

M.G. Boltz, MD
Stanford, California

Jay B. Brodsky, MD
Stanford, California

David S. Bronheim, MD
New York, New York

Douglas V. Brown, MD
Chicago, Illinois

Christopher R. Cartwright, MD
Menlo Park, California

Brian A. Cason, MD
San Francisco, California

Davy C.H. Cheng, MD
Toronto, Ontario, Canada

Albert T.W. Cheung, MD
Philadelphia, Pennsylvania

Edward Cohen, MD
New York, New York

Richard F. Davis, MD
Portland, Oregon

Michael N. D’Ambra, MD
Cambridge, Massachusetts

George J. Despotis, MD
St. Louis, Missouri

John E. Ellis, MD
Chicago, Illinois

Lee A. Fleisher, MD
Baltimore, Maryland

Harley S. Geller, MD
Charlotte, North Carolina

Glenn P. Gravlee, MD
Columbus, Ohio

Gordon R. Haddow, MD
Stanford, California

Frederick A. Hensley, Jr., MD
Baltimore, Maryland

Eugene A. Hessel, II, MD
Lexington, Kentucky

Laureen L. Hill, MD
Palo Alto, California

Zaharia Hillel, MD, PhD
New York, New York

Roberta Hines, MD
New Haven, Connecticut

Charles W. Hogue, MD
St. Louis, Missouri

Jan C. Horrow, MD
Philadelphia, Pennsylvania

Michael B. Howie, MD
Columbus, Ohio

Uday Jain, MD, PhD
Stanford, California

Ronald A. Kahn, MD
New York, New York

Hartmut Kern, MD
Berlin, Germany

Steven N. Konstadt, MD
New York, New York

Jerold H. Levy, MD
Atlanta, Georgia

Martin J. London, MD
San Francisco, California

Edward Lowenstein, MD
Boston, Massachusetts

Rosemarie Maddi, MD
Boston, Massachusetts

Dennis T. Mangano, MD, PhD
San Francisco, California

Berend Mets, MD, PhD
New York, New York

Roger A. Moore, MD
Browns Mills, New Jersey

Christina Mora Mangano, MD
Stanford, California

John M. Murkin, MD
London, Ontario, Canada

Heather A. Nath, MD
Chicago, Illinois

Steven M. Neustein, MD
Demarest, New Jersey

Christopher J. O’Connor, MD
Chicago, Illinois

E. Andrew Ochroch, MD
Philadelphia, Pennsylvania

Ronald G. Pearl, MD, PhD
Stanford, California

Richard J. Pollard, MD
Gastonia, North Carolina

Fiona E. Ralley, MD
London, Ontario, Canada

James G. Ramsay, MD
Atlanta, Georgia

David L. Reich, MD
New York, New York

Michael F. Roizen, MD
Chicago, Illinois

Alan N. Sandler, MD
Toronto, Ontario, Canada

Robert M. Savage, MD
Cleveland, Ohio

Alan Jay Schwartz, MD, MSeD
New York, New York

Johanna C. Schwarzenberger, MD
New York, New York

Stanton K. Sherman, MD
Boston, Massachusetts

Linda Shore-Lesserson, MD
New York, New York

George Silvay, MD
New York, New York

Peter D. Slinger, MD
Toronto, Ontario, Canada

Claudia Spies, MD
Berlin, Germany

Bruce D. Spiess, MD
Richmond, Virginia

E. Price Stover, MD
Stanford, California

Erin A. Sullivan, MD
Pittsburgh, Pennsylvania

Lena S. Sun, MD
New York, New York

Daniel M. Thys, MD
New York, New York

Isidra Veve, MD
Mountain View, California

Joyce A. Wahr, MD
Ann Arbor, Michigan

Arthur W. Wallace, MD
Stanford, California

David C. Wartli, MD
Milwaukee, Wisconsin

Charles B. Watson, MD
Easton, Connecticut

Stanley Weber, MD
Pittsburgh, Pennsylvania

Vinit Wells, MD
Stanford, California

Richard L. Wolman, MD
Madison, Wisconsin

David A. Zvara, MD
Winston-Salem, North Carolina
Saturday, May 6, 2000

**TEE Basic** *(Workshop Limited to 250 Participants)*

**Accreditation:** The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 8.0 hours in category 1 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.

**Educational Objective**
This 8-hour course will provide the participant with informative didactic lectures in basic transesophageal echocardiography. Smaller afternoon breakout sessions offer interaction with faculty. Participants in the Knobology session will have the opportunity for hands-on instruction of the instrument configuration and the usage of the different modalities of echocardiography from several leading echocardiography manufacturing companies. After completion of this course, the participant will:

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

7:00 - 7:55 am  Continental Breakfast

7:55 - 8:00 am  **Welcome and Introductions**  Stanton K. Shernan, MD

8:00 - 8:25 am  **Basic Principles of 2D Echo**  Andrew D. Maslow, MD

8:30 - 8:55 am  **Basic Principles of Spectral & Color Doppler**  Jeffrey Uppington, MD

9:00 - 9:25 am  **Echo Anatomy and Basic Exam**  Nancy A. Nussmeier, MD

9:30 - 9:55 am  **Global and Regional LV Function**  David S. Morse, MD

10:00 - 10:30 am  Coffee Break

10:30 - 10:55 am  **Basic Evaluation of Aortic Valve**  Francois A. Beique, MD

11:00 - 11:25 am  **Basic Evaluation of Mitral Valve**  Andre-Stéphane Lambert, MD, FRCP(C)

11:30 - 11:55 am  **Complications / Pitfalls**  Linda Shore-Lesserson, MD

11:55 am - 1:00 pm  Lunch provided

1:00 - 1:45 pm  **Breakouts***
2:00 - 2:45 pm  **Breakouts***
2:45 - 3:00 pm  Coffee Break
3:00 - 3:45 pm  **Breakouts***
4:00 - 4:45 pm  **Breakouts***
5:00 - 5:45 pm  **Breakouts***

**Breakout Topics**

- **Knobology** — Erik J. Kraenzler, MD; Kathryn E. Glas, MD; Nadia Nathan, MD; Scott Stricklenbach, MD; TBA
- **Basic Exam** — Charles David Collard, MD; TBA
- **Wall Motion/LV Function** — Patricia M. Gramling-Babb, MD; Kim W. Payne, MD
- **Aortic Valve** — Douglas F. Wiseman, MD; Elizabeth Lee, MD
- **Mitral Valve** — N. Martin Giesece, MD; J. Scott Walton, MD

*It is not necessary to complete a Breakout Selection Form for this Workshop. All participants will be assigned to each Breakout Topic.

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**Faculty**

- Francois A. Beique, MD  
  Jewish General Hospital  
  Montreal, Quebec, Canada
- Charles David Collard, MD  
  Brigham and Women's Hospital  
  Boston, Massachusetts
- N. Martin Giesece, MD  
  Texas Heart Institute  
  Houston, Texas
- Kathryn E. Glas, MD  
  Emory University Hospital  
  Atlanta, Georgia
- Patricia Gramling-Babb, MD  
  University of Chicago  
  Chicago, Illinois
- Erik J. Kraenzler, MD  
  Cleveland Clinic Foundation  
  Cleveland, Ohio
- Andre-Stéphane Lambert, MD, FRCP(C)  
  St. Michael's Hospital  
  Toronto, Ontario, Canada
- Elizabeth Lee, MD  
  Emory University Hospital  
  Atlanta, Georgia
- Andrew D. Maslow, MD  
  Rhode Island Hospital  
  Providence, Rhode Island
- David S. Morse, MD  
  Brigham and Women's Hospital  
  Boston, Massachusetts
- Nadia Nathan, MD  
  Brigham and Women's Hospital  
  Boston, Massachusetts
- Nancy A. Nussmeier, MD  
  Texas Heart Institute  
  Houston, Texas
- Kim W. Payne, MD  
  Medical University of South Carolina  
  Charleston, South Carolina
- Stanton K. Shernan, MD, Co-Chair  
  Brigham and Women's Hospital  
  Boston, Massachusetts
- Linda Shore-Lesserson, MD  
  Mt. Sinai School of Medicine  
  New York, New York
- Scott Stricklenbach, MD  
  Massachusetts General Hospital  
  Boston, Massachusetts
- Jeffrey Uppington, MD  
  Massachusetts General Hospital  
  Boston, Massachusetts
- J. Scott Walton, MD  
  Medical University of South Carolina  
  Charleston, South Carolina
- Douglas F. Wiseman, MD  
  Blodgett Memorial Medical Center  
  Grand Rapids, Michigan
Saturday, May 6, 2000

**TEE Intermediate Workshop** (Limited to 150 Participants)

**Accreditation:** The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 8.0 hours in category 1 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.

**Educational Objectives**
This 8-hour course will provide the participant with informative didactic lectures in intermediate level transesophageal echocardiography. Smaller afternoon breakout sessions offer interaction with faculty. After completion of this course, the participant will:

1. Learn to use TEE for qualitative and quantitative evaluation of left and right ventricular systolic and diastolic function;
2. Understand how to determine many hemodynamic parameters using M-mode, 2D, and Doppler echocardiography;
3. Know how to evaluate the intrathoracic aorta and ventricular myocardial ischemia using TEE;
4. Learn techniques to recognize pathologic changes in native aortic and mitral valves.

### Schedule

- **7:00 - 7:55 am** Continental Breakfast
- **7:55 - 8:00 am** Welcome and Introductions
  - Stuart J. Weiss, MD, PhD
- **8:00 - 8:25 am** Physics/Doppler
  - Joseph P. Miller, MD
- **8:30 - 8:55 am** Global and Regional Left Ventricular Function
  - Robert F. Brooker, MD
- **9:00 - 9:25 am** Hemodynamics
  - Michael G. Licina, MD
- **9:30 - 9:55 am** LV Diastolic Function
  - Stanton K. Shernan, MD
- **10:00 - 10:30 am** Coffee Break
- **10:30 - 10:55 am** Intrathoracic Aorta
  - Christopher A. Troianos, MD
- **11:00 - 11:25 am** Native Aortic Valves
  - Stuart J. Weiss, MD, PhD
- **11:30 - 11:55 am** Native Mitral Valves
  - Bruce A. Bollen, MD
- **11:55 am - 1:00 pm** Lunch provided
- **1:00 - 1:45 pm** Breakouts*  
  - Hemodynamic Problem Solving A — James G. Cormack, MD; Wanda Miller-Hance, MD  
  - Hemodynamic Problem Solving B — Robert J. Deegan, MB; John W. Ostrowski, MD  
  - Clinical Implications of Image Artifacts — Katherine P. Grichnik, MD; Zaharia Hillel, MD, PhD  
  - Aortic Valve — John A. Fox, MD; John R. Cooper, MD  
  - Mitral Valve — Joseph P. Miller, MD; Andre-Stephane Lambert, MD
- **2:00 - 2:45 pm** Breakouts*  
- **2:45 - 3:00 pm** Coffee Break
- **3:00 - 3:45 pm** Breakouts*  
- **4:00 - 4:45 pm** Breakouts*  
- **5:00 - 5:45 pm** Breakouts*

**Breakout Topics**

- **Hemodynamic Problem Solving A** — James G. Cormack, MD; Wanda Miller-Hance, MD  
- **Hemodynamic Problem Solving B** — Robert J. Deegan, MB; John W. Ostrowski, MD  
- **Clinical Implications of Image Artifacts** — Katherine P. Grichnik, MD; Zaharia Hillel, MD, PhD  
- **Aortic Valve** — John A. Fox, MD; John R. Cooper, MD  
- **Mitral Valve** — Joseph P. Miller, MD; Andre-Stephane Lambert, MD

* It is not necessary to complete a Breakout Selection Form for this Workshop. All participants will be assigned to each Breakout Topic.

**Faculty**

- **Bruce A. Bollen, MD**
  - Montana Heart Institute  
  - Missoula, Montana
- **Robert F. Brooker, MD**
  - Cardiovascular Anesthesia Consultants  
  - Las Vegas, Nevada
- **John R. Cooper, MD**
  - Texas Heart Institute  
  - Houston, Texas
- **James G. Cormack, MD**
  - University of Alberta  
  - Edmonton, Alberta, Canada
- **Robert J. Deegan, MB**
  - Vanderbilt University  
  - Nashville, Tennessee
- **John A. Fox, MD**
  - Brigham and Women's Hospital  
  - Boston, Massachusetts
- **Katherine P. Grichnik, MD**
  - Duke University Medical Center  
  - Durham, North Carolina
- **Zaharia Hillel, MD, PhD**
  - St. Luke's/Roosevelt Hospital  
  - New York, New York
- **André-Stephane Lambert, MD**
  - St. Michael's Hospital  
  - Toronto, Ontario, Canada
- **Michael G. Licina, MD**
  - Cleveland Clinic Foundation  
  - Cleveland, Ohio
- **Joseph P. Miller, MD**
  - Madigan Army Medical Center  
  - Tacoma, Washington
- **Wanda Miller-Hance, MD**
  - University of California, San Francisco  
  - San Francisco, California
- **John W. Ostrowski, MD**
  - New York University  
  - New York, New York
- **Stanton K. Shernan, MD**
  - Brigham & Women's Hospital  
  - Boston, Massachusetts
- **Christopher A. Troianos, MD**
  - Mercy Hospital  
  - Pittsburgh, Pennsylvania
- **Stuart J. Weiss, MD, Co-Chair**
  - University of Pennsylvania  
  - Philadelphia, Pennsylvania
Saturday, May 6, 2000

Critical Care & Pharmacology (Limited to 100 Participants)
This Workshop is open to SCA & ASCCA Members Only

Accreditation: The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 3.5 hours in category 1 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.

Educational Objectives
This 4-hour workshop will provide the participant with four 30-minute lectures with a focus on “Organ Protection Technology in Critical Care”. Following the lectures, the program allows for 20 minutes of panel discussion and questions/answers among the speakers and participants. The afternoon breakout session is an interactive format with (2) 30-minute repeated presentations – participants must sign up for two of the three topics listed. After attending this workshop, the participant will be able to:

1) Understand the mechanisms of postoperative brain, spinal cord, myocardial and renal injury; implement pharmacological and non-pharmacological strategies for its protection.
2) Evaluate the different models of postoperative care in establishing and maintaining a Cardiothoracic ICU service.
3) Acquire practical experience in the use of critical care technology: ventricular assist devices, renal dialysis and nitric oxide.

7:00 - 7:55 am  Continental Breakfast

8:00 - 8:10 am  Welcome / Introduction: Organ Protection and Technology in Critical Care
Moderators: Davy C.H. Cheng, MD; Jeffrey R. Balser, MD, PhD

8:10 - 8:40 am  Brain and Spinal Cord Protection Strategies
Elizabeth Lee, MD

8:40 - 9:10 am  Myocardial Infarction: Diagnosis and Protect
Uday Jain, MD, PhD

9:10 - 9:40 am  Renal Protection Strategies
Robert N. Sladen, MD

9:40 - 10:10 am  Cardiothoracic ICU Service – Establishment and Maintenance
Nauder Faraday, MD

10:10 - 10:30 am  Question & Answer: Panel Discussion
Elizabeth Lee, MD; Uday Jain, MD, PhD; Robert N. Sladen, MD; Nauder Faraday, MD

10:30 - 11:00 am  Coffee Break

11:00 am - 12:00 pm  Breakout Topics*
Moderators: Michael B. Howie, MD; Eugene Y. Cheng, MD
1) Ventricular Assist Device (Heartmate, Novacor)
   Andrew Goldstein, MD
2) Renal Dialysis (CVVHD, Hemodialysis)
   C. David Mazer, MD
3) Nitric Oxide (Delivery and Monitoring System)
   Laureen L. Hill, MD

12:00 pm  Lunch Provided

* Participants must choose two of the three topics (30 minutes each session). Please complete a Breakout Selection Form on page 23 for this Workshop.

Faculty
Jeffrey R. Balser, MD, PhD, Co-Chair
Vanderbilt University School of Medicine
Nashville, Tennessee

Davy C.H. Cheng, MD, Co-Chair
Toronto Hospital
Toronto, Ontario, Canada

Eugene Y. Cheng, MD, Co-Chair
Medical College of Wisconsin
Milwaukee, Wisconsin

Andrew Goldstein, MD
Ohio State University Medical Center
Columbus, OH

Nauder Faraday, MD
Johns Hopkins Hospitals
Baltimore, Maryland

Laureen L. Hill, MD
Stanford University School of Medicine
Stanford, California

Michael B. Howie, MD, Co-Chair
Ohio State University
Columbus, Ohio

Uday Jain, MD, PhD, Co-Chair
Stanford University School of Medicine
Stanford, California

Elizabeth Lee, MD, Co-Chair
Emory University Hospital
Atlanta, Georgia

C. David Mazer, MD
St. Michael's Hospital
Toronto, Ontario, Canada

Robert N. Sladen, MD
Columbia University
New York, New York

A Joint Presentation

SCA Annual Meeting Notice page 14
Saturday, May 6, 2000

**Thoracic Anesthesia Workshop**  (Limited to 100 Participants)

**Accreditation:** The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 4.0 hours in category 1 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.

**Educational Objectives**
This 4-hour workshop will provide the participant with four 20-25 minute lectures. The afternoon breakout sessions offer hands-on demonstrations. At the conclusion of this workshop, participants will be able to:

1) Understand the risk factors of the patient undergoing lung resection,
2) Review the intraoperative management of mediastinal mass,
3) Recognize the available techniques of lung separations in the patient with a difficult airway,
4) Provide the participants with the methods of postoperative pain control for thoracic patients,
5) Practice "hands-on" the various methods available for lung separation.

12:00 pm          Lunch Provided
1:00 - 1:05 pm    Welcome  
            Edmond Cohen, MD, Erin A. Sullivan, MD
1:05 - 1:25 pm    Preoperative Evaluation: Risk Assessment  
            Peter D. Slinger, MD
1:25 - 1:45 pm    Mediastinal Masses  
            Simon C. Body, MB
1:45 - 2:05 pm    Lung Isolation and the Difficult Airway  
            Edmond Cohen, MD
2:05 - 2:30 pm    Pain Management  
            Jay B. Brodsky, MD
2:30 - 2:45 pm    Coffee Break
2:45 - 3:30 pm    Breakouts*
3:30 - 4:15 pm    Breakouts*
4:15 - 5:00 pm    Breakouts*

**Breakout Topics**

**Placement of Double-lumen Tubes (Left and Right)**  
Jay B. Brodsky, MD; Simon C. Body, MB; Stanley B. Weber, MD

**Placement of Univent Tubes and Bronchial Blockers**  
Edmond Cohen, MD; Peter D. Slinger, MD; Charles B. Watson, MD

**Thoracic Epidural**  
Alan N. Sandler, MBChB; Erin A. Sullivan, MD; Edward K. Heres, MD

* It is not necessary to complete a Breakout Selection Form for this Workshop. All participants will be assigned to each Breakout Topic.

Faculty

- Simon C. Body, MB  
  Brigham and Women's Hospital  
  Boston, Massachusetts
- Jay B. Brodsky, MD  
  Stanford University School of Medicine  
  Stanford, California
- Edmond Cohen, MD, Co-Chair  
  Mt. Sinai School of Medicine  
  New York, New York
- Edward K. Heres, MD  
  Allegheny General Hospital  
  Pittsburgh, Pennsylvania
- Alan N. Sandler, MBChB  
  Toronto Hospital  
  Toronto, Ontario, Canada
- Peter D. Slinger, MD  
  Toronto Hospital  
  Toronto, Ontario, Canada
- Erin A. Sullivan, MD, Co-Chair  
  University of Pittsburgh Medical Center  
  Pittsburgh, Pennsylvania
- Charles B. Watson, MD  
  Bridgeport Hospital  
  Easton, Connecticut
- Stanley B. Weber, MD  
  Allegheny General Hospital  
  Pittsburgh, Pennsylvania
Sunday, May 7, 2000

TEE Intermediate Workshop (Limited to 150 Participants)

Accreditation: The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 8.0 hours in category 1 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.

Educational Objectives
This 8-hour course will provide the participant with informative didactic lectures in intermediate level transesophageal echocardiography. Smaller afternoon breakout sessions offer interaction with faculty. After completion of this course, the participant will:

1) Learn to use TEE for qualitative and quantitative evaluation of left and right ventricular systolic and diastolic function;
2) Understand how to determine many hemodynamic parameters using M-mode, 2D, and Doppler echocardiography;
3) Know how to evaluate the intrathoracic aorta and ventricular myocardial ischemia using TEE;
4) Learn techniques to recognize pathologic changes in native aortic and mitral valves.

7:00 - 7:55 am    Continental Breakfast
7:55 - 8:00 am    Welcome and Introductions
                  Scott T. Reeves, MD
8:00 - 8:25 am    Physics/Doppler
                  Albert C. Perrino, Jr., MD
8:30 - 8:55 am    Global and Regional Left Ventricular Function
                  Andrew K Hilton, MBBS
9:00 - 9:25 am    Hemodynamics
                  Long K. Han, MD
9:30 - 9:55 am    LV Diastolic Function
                  Robert M. Savage, MD
10:00 - 10:30 am  Coffee Break
10:30 - 10:55 am  Intrathoracic Aorta
                  Charles J. Hearn, MD
11:00 - 11:25 am  Native Aortic Valves
                  Lee K. Wallace, MD
11:30 - 11:25 am  Native Mitral Valves
                  Kristine J. Hirsch, MD
11:55 am - 1:00 pm  Lunch provided
1:00 - 1:45 pm    Breakouts*
2:00 - 2:45 pm    Breakouts*
2:45 - 3:00 pm    Coffee Break
3:00 - 3:45 pm    Breakouts*
4:00 - 4:45 pm    Breakouts*
5:00 - 5:45 pm    Breakouts*

Breakout Topics
Hemodynamic Problem Solving A — Scott F. MacKinnon, MD; Emilio Lobato, MD
Hemodynamic Problem Solving B — Scott M. Sadel, MD; Andrew D. Maslow, MD
Clinical Implications of Image Artifacts — Albert C. Perrino, Jr., MD; Mark Stafford Smith, MD
Aortic Valve — Joseph P. Mathew, MD; Michelle Capdeville, MD
Mitral Valve — Eugene A. Hessel, II, MD; Kenneth A. Thielleman, MD

* It is not necessary to complete a Breakout Selection Form for this Workshop. All participants will be assigned to each Breakout Topic.
Sunday, May 7, 2000

TEE Advanced Workshop (Limited to 250 Participants)

Accreditation: The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 8.0 hours in category 1 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.

Educational Objectives
This 8-hour course will provide the participant with informative didactic lectures in advanced transesophageal echocardiography. Afternoon interactive case discussions with cardiothoracic surgery, cardiothoracic anesthesiology and cardiology will offer interaction between these three disciplines on the surgical management of specific cases. In addition, interactive unknowns with teaching pearls will be presented by renowned faculty. At completion of this course the participant will:

1) Learn about the utility of TEE in the evaluation of patients undergoing surgery for mitral valve repair.
2) Be able to discuss the billing diagnoses and Medicare concurrency requirements needed to bill for transesophageal echocardiography services.
3) Be able to discuss the utility of TEE in the evaluation of cardiomyopathies, trauma, and OPCAB patients.
4) Learn about the utility of TEE in the diagnosis and perioperative management of patients with congenital heart defects.

7:00 - 7:55 am Continental Breakfast
7:55 - 8:00 am Welcome and Introductions Robert M. Savage, MD
8:00 - 8:25 am Mitral Valve Repair Albert T.W. Cheung, MD
8:30 - 8:55 am Evaluation of Prosthetic Valves Michael G. Licina, MD
9:00 - 9:25 am Intraoperative Echo & Finance Solomon Aronson, MD
9:30 - 9:55 am Cardiomyopathy Robert M. Savage, MD
10:00 - 10:30 am Coffee Break
10:30 - 10:55 am OPCAB Jack S. Shanewise, MD
11:00 - 11:25 am Cardiac & Aortic Trauma Scott T. Reeves, MD
11:30 - 11:55 am Adult Congenital Heart Disease Kathryn Rouine-Rapp, MD
11:55 am - 1:00 pm Lunch provided
1:00 - 3:00 pm Interactive Case Discussion with Cardiothoracic Anesthesiology, Cardiology and Cardiothoracic Surgery (audience response system used) Moderator: Robert M. Savage, MD
CT Anesthesiology: Jack S. Shanewise, MD
Cardiology: Randolph P. Martin, MD
CT Surgery: Robert A. Guyton, MD
3:00 - 5:45 pm Interactive Unknowns with Teaching Pearls (audience response system used) Moderator: Christopher A. Troianos, MD
Solomon Aronson, MD; Joseph S. Savino, MD; TBA

Faculty
Solomon Aronson, MD
University of Chicago
Chicago, Illinois
Albert T.W. Cheung, MD
University of Pennsylvania Medical Center
Philadelphia, Pennsylvania
Robert A. Guyton, MD
Emory University School of Medicine
Atlanta, Georgia
Michael G. Licina, MD
Cleveland Clinic Foundation
Cleveland, Ohio
Randolph P. Martin, MD
Emory University School of Medicine
Atlanta, Georgia
Scott T. Reeves, MD, Co-Chair
Medical University of South Carolina
Charleston, South Carolina
Kathryn Rouine-Rapp, MD
University of California, San Francisco
San Francisco, California
Robert M. Savage, MD, Co-Chair
Cleveland Clinic Foundation
Cleveland, Ohio
Joseph S. Savino, MD
University of Pennsylvania Medical Center
Philadelphia, Pennsylvania
Jack S. Shanewise, MD, Co-Chair
Emory University Hospital
Atlanta, Georgia
Christopher A. Troianos, MD
Mercy Hospital
Pittsburgh, Pennsylvania
Sunday, May 7, 2000

*This workshop is conducted in Spanish only.

Ecocardiografía Intraoperatoria (Limited to 50 Participants)

La Sociedad de Anestesiólogos Cardiovasculares ha decidido que esta actividad educativa tendrá un crédito máximo, en relación al Premio de Reconocimiento a los Médicos de la AMA (Asociación Médica Americana), de 7.0 horas en la categoría 1. Cada médico deberá reclamar solamente aquellas horas de crédito que de hecho haya utilizado en esta actividad educativa.

Enfocada hacia Médicos y personal de la salud con interés en el manejo anestésico de pacientes con enfermedad cardiovascular así como científicos involucrados en la investigación de la ecocardiografía transesofágica.

Metas Educativas del Curso

Después de asistir al Curso de Ecocardiografía Intraoperatoria en Español la persona participante podrá:
1) Comprender los principios básicos de ecocardiografía Doppler y bi-dimensional.
2) Aprender a reconocer la anatomía cardíaca básica en eco, las bases del examen ecocardiográfico transesofágico y como evaluar en forma general la función ventricular y valvular.
3) Estar consciente de errores y problemas de interpretación ecocardiográfica de la anatomía cardiaca.
4) Desarrollar el conocimiento básico para entender los calculos hemodinámicos y la apariencia ecocardiográfica de masas cardíacas y aorta intratorácica.

7:00 - 7:55 am Desayuno Continental

8:00 - 8:10 am Introducción
Luis G. Michelsen, MD

8:10 - 8:55 am Principios Basicos de Eco
Felipe Urdaneta, MD

8:55 - 9:40 am Anatomía y Examen Básico
Emilio B. Lobato, MD

9:40 - 9:55 am Preguntas y Respuestas

9:55 - 10:10 am Café

10:10 - 10:55 am Función Ventricular Global y Regional
Octavio A. Falcucci, MD

10:55 - 11:45 am Evaluación de las Valvulas Cardiacas
Ian Macveigh, MD

11:45 am - 12:00 pm Preguntas y Respuestas

12:00 - 1:00 pm Almuerzo

1:00 - 1:45 pm Artextos y Errores Diagnósticos
Luis G. Michelsen, MD

1:45 - 2:30 pm Calculos Hemodinámicos
Miguel A. Quiñones, MD

2:30 - 2:45 pm Preguntas y Respuestas

2:45 - 3:00 pm Café

3:00 - 3:45 pm Masas Cardíacas
Miguel A. Quiñones, MD

3:45 - 4:30 pm Evaluación de la Aorta Intratorácica
Emilio B. Lobato, MD

4:30 - 4:45 pm Preguntas y Respuestas

Faculty

Octavio A. Falcucci, MD
Instituto Favaloro
Buenos Aires, Argentina

Emilio B. Lobato, MD
University of Florida School of Medicine
Gainesville, Florida

Ian Macveigh, MD
Mayo Clinic
Rochester, Minnesota

Luis G. Michelsen, MD, Chair
Emory University School of Medicine
Atlanta, Georgia

Miguel A. Quiñones, MD
Baylor College of Medicine
Houston, Texas

Felipe Urdaneta, MD
University of Florida School of Medicine
Gainesville, Florida
Sunday, May 7, 2000

CPB & Alternatives (Limited to 125 Participants)

Accreditation: The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 6.5 hours in category 1 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.

Educational Objectives
This 8-hour workshop will provide the participant with informative didactic lectures, including audience participation through the use of keypads. Afternoon breakout sessions allow for smaller group discussions in the topics relative to cardiopulmonary bypass. At the conclusion of this workshop, the participant will have learned:
1) Clinical management strategies for cardiopulmonary bypass,
2) New devices for coagulation monitoring and anticoagulant strategies,
3) Data on outcome, as well as anesthetic implications and morbidity associated with cardiac surgery without CPB,
4) Surgical and anesthetic management of cardiac transplantation,
5) Strategies helpful in dealing with the bleeding patient, the role of vasoconstrictor therapy,
6) Treatment schemes for patients in severe myocardial failure before and after CPB, contemporary anesthetic management of CPB separation, unique analgesic strategies used after minimally invasive cardiac surgery.

7:00 - 7:55 am Continental Breakfast
7:55 - 8:00 am Welcome and Introductions
Edward K. Heres, MD; Linda Shore-Lesserson, MD
8:00 - 8:40 am CPB Management: State of the Art
Glenn P. Gravlee, MD
8:40 - 9:20 am Clinical Problems and Complications During CPB (audience response system used)
Michael N. D'Ambra, MD
9:20 - 10:00 am What's New in Coagulation Monitoring
Gregory A. Nuttall, MD
10:00 - 10:30 am Coffee Break
10:30 - 11:30 am PRO/CON: CABG With and Without CPB
Moderator: David A. Zvara, MD
10:30 CABG with CPB - The Standard
John Gott, MD
11:00 Off-Pump Coronary Bypass
David J. Cook, MD
11:30 am - 12:00 pm Cardiac Transplantation
Marc C. Dickstein, MD
12:00 - 1:00 pm Lunch provided
1:00 - 1:45 pm Breakouts*
2:00 - 2:45 pm Breakouts*
3:00 - 3:45 pm Breakouts*
4:00 - 4:45 pm Breakouts*

Breakout Topics
Port-Access Cardiac Surgery — Marc S. Kanchuger, MD
Management of Post CPB Bleeding — Fiona E. Ralley, MD
Protamine and Alternatives — Edward K. Heres, MD
Vasoconstrictor Pharmacology — Michael B. Howie, MD
Ischemia Management During Off-Pump CABG — Jose M. Marquez, MD
Mechanical Support of the Failing Heart — David A. Zvara, MD
CPB Separation Strategies — William E. Johnston, MD
Pain Control After Minimally Invasive CABG — Davy C.H. Cheng, MD

* Participants must choose four of the eight topics (45 minutes each session). Please complete the Breakout Selection Form on page 23 for this Workshop.
Sunday, May 7, 2000

**Pediatric Workshop** (Limited to 100 Participants)

**Accreditation:** The Society of Cardiovascular Anesthesiologists designates this educational activity for a maximum of 7.0 hours in category 1 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.

**Educational Objectives**
This 8-hour workshop will provide the participant with informative didactic lectures. Question and answer sessions have been scheduled following each session to allow for participant feedback and interaction with faculty. The afternoon case discussion will use actual cases as a basis for audience discussion led by experts in the field. The topics of this year’s workshop are the product of verbal polling and discussions with past workshop attendees and written suggestions on prior workshop evaluations. Participants will have the opportunity to hear state-of-the-art presentations on:

1) New concepts of physiology and function of the developing and immature heart,
2) Clinical studies of the effects of anesthetic agents upon myocardial function in normal and abnormal hearts,
3) Approaches to the care of patients with a variety of types of repaired congenital heart disease having non-cardiac surgeries,
4) Current concepts on the effects of cardiopulmonary bypass, circulatory arrest, and congenital cardiac lesions on brain injury and protection,
5) Uses and techniques of transesophageal echocardiography during congenital cardiac surgery, and
6) Case presentation and audience discussion of common and challenging clinical dilemmas.

7:00 - 7:50 am Continental Breakfast
7:50 - 8:00 am **Welcome and Introductions**
Peter C. Laussen, MBBS; Francis X. McGowan, MD

8:00 - 8:45 am **Physiology of the Immature and Developing Myocardium**
Victor C. Baum, MD

8:45 - 9:00 am **Questions & Answers**

9:00 - 9:45 am **Effects of Anesthetic Agents Upon Myocardial Function in Patients with Congenital Heart Disease**
Dean B. Andropoulos, MD

9:45 - 10:00 am **Questions & Answers**

10:00 - 10:30 am Coffee Break

10:30 - 11:30 am **Managing Patients with Congenital Heart Disease Having Non-Cardiac Surgery**
- The patient with two ventricles
  Lynne M. Reynolds, MD
- The patient with one ventricle
  Peter C. Laussen, MBBS

11:30 am - 12:00 pm Questions and Discussion

12:00 - 1:00 pm Lunch provided

1:00 - 2:30 pm **Controversies in Pediatric Cardiac Anesthesia: “We know everything we know to protect the infant brain”**
*Pro:* Richard A. Jonas, MD
*Con:* Frank H. Kern, MD

2:30 - 3:00 pm Coffee Break

3:00 - 3:45 pm **Transesophageal Echocardiography Update**
Susheela Sangwan, MD

3:45 - 4:00 pm Questions and Discussion

4:00 - 5:00 pm **Interesting Cases and Case Discussion**
Laurie K. Davies, MD; James M. Steven, MD
Please Complete the Workshop Registration and Roundtable Discussion Forms on pages 23 and 24, if necessary.

Please Print or Type on Forms and return to:

SCA, P.O. Box 11086, Richmond, VA 23230-1086
or Fax to: (804) 282-0090

Name_____________________________________________________________________MD______PhD______Other______
Address ________________________________________________________________________________________________________________
City, State, Zip ___________________________________________________________________________________________________________
Office Phone (                  ) _____________________________________________ Fax # (                    ) _____________________ ____________
Email _______________________________________________________________
Accompanying Person(s) Name(s)* __________________________________________________________________________________________

Annual Meeting Registration


☐ Member .......................................................... $450 $500 $_________
☐ Non-Member (MD, DO, PhD)+ .......................................................... $550 $600 $_________
☐ Resident/Fellow (entire Annual Meeting)** ........................................... $ 75 $ 75 $_________
☐ Resident/Fellow (Refresher Course/Resident Lunch)^ ................................ $ 25 $ 25 $_________
☐ Non-Physician (Perfusionists)+ .......................................................... $350 $400 $_________
☐ Non-Physician (licensed to administer anesthesia)+ ......................... $550 $600 $_________
☐ Accompanying Person(s) # _____ @ .................................................... $ 25 $ 30 $_________

*The Accompanying Person Fee provides for admission to the Monday evening reception, hospitality suite (continental breakfast on Monday and Tuesday) and exhibit hall.

*$100 will be applied to SCA or SCA/IARS membership when accompanied by a membership application. Balance due immediately.
**When accompanied by a letter from Department Chairperson, verifying Resident/Fellow status.
^This is a deposit and will be returned if you attend the luncheon provided for residents/fellows during the Refresher Course.
+Pre-registration of Workshops is available to SCA members only. If space is available, Workshops will be open to non-members on site.

☐ Check ☐ VISA ☐ MasterCard ☐ American Express
If paying by check, check must be in US funds payable to SCA.

Card No. ____________________________________________________________ Exp. Date _________________________________________
Signature ______________________________________________________________________________________________________________
Name Printed on Card ____________________________________________________________________________________________________

Payment Total

Annual Meeting Total (this page) .......................................................... $ ____________
Workshop Total (from page 23) .................................................................. $ ____________
Roundtable Discussion Total (from page 24) ................................................. $ ____________

Grand Total ............................................................................... $ ____________
Workshop Registration and Breakout Selections

Please print/type

Name ________________________________ MD __________ PhD __________ Other ______

Last First MI

Address ________________________________________________________________________________________________________________

City, State, Zip ___________________________________________________________________________________________________________

Office Phone (                  ) _____________________________________________ Fax # (                    ) _____________________ ____________

Email _______________________________________________________________

Workshop Registration

(Pre-registration for SCA Members only. Exception: Critical Care Workshop is open to ASCCA members)

Course descriptions on pages 12-20. Please select your first, second and third choices. *Some workshops require a Breakout Selection.

------- | ---------------------- | ------------------ | ----------------- |
       |                       | $200               | $250 $ ________ |
       | TEE Basic (limited to 250 participants/includes lunch) | $200               | $250 $ ________ |
       | TEE Intermediate (limited to 150 participants/includes lunch) | $200               | $250 $ ________ |
       | *Critical Care & Pharmacology (limited to 100 participants/includes lunch) | $200               | $250 $ ________ |
       | Thoracic Anesthesia (limited to 100 participants/includes lunch) | $200               | $250 $ ________ |

*Critical Care Workshop (Choose first, second and third choices from each row)

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1 Ventricular Assist Device (Heartmate, Novacor) (Goldstein)  
2 Renal Dialysis (CWHD, Hemodialysis) (Mazer)  
3 Nitric Oxide (Delivery and Monitoring System) (Hill)

------- | ------------------- | ------------------ | ----------------- |
       |                    | $200               | $250 $ ________ |
       | TEE Intermediate (limited to 150 participants/includes lunch) | $200               | $250 $ ________ |
       | TEE Advanced (limited to 250 participants/includes lunch) | $200               | $250 $ ________ |
       | Ecocardiografia Intraoperatoria (limited to 50 participants/includes lunch) | $200               | $250 $ ________ |
       | **CPB & Alternatives (limited to 125 participants/includes lunch) | $200               | $250 $ ________ |
       | Pediatric (limited to 100 participants/includes lunch) | $200               | $250 $ ________ |

**CPB & Alternatives (Choose first, second and third choices from each row)

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1 Port-Access Cardiac Surgery (Kanchuger)  
2 Management of Post CPB Bleeding (Ralley)  
3 Protamine and Alternatives (Heres)  
4 Vasoconstrictor Pharmacology (Howie)  
5 Ischemia Management During Off-Pump CABG (Marquez)  
6 Mechanical Support of the Failing Heart (LVAD, etc.) (Zvara)  
7 CPB Separation Strategies (Johnson)  
8 Pain Control after Minimally Invasive (Cheng)
Roundtable (PBL) Discussions Registration

PLEASE PRINT/TYPe

Name __________________________________________ MD______ PhD______ Other______
Last First MI

Address __________________________________________

City, State, Zip ________________________________________

Office Phone ( ) __________________________ Fax # ( ) __________

Please list your 1st, 2nd, and 3rd choices

Choice | Sunday Breakfast, May 7, 2000 | Choice | Tuesday Breakfast, May 9, 2000
---|---|---|---
| Table 1 - Non-cardiac Surgery in Patients with Cardiac Disease | Table 1 - Heparin Resistance and Intraoperative Coagulation Monitoring |
| Table 2 - Publishing Your Research | Table 2 - Acute Post-Thoracotomy Pain Management |
| Table 3 - Does Hemodynamics Affect Outcome? | Table 3 - Management of Intraoperative Ventricular Arrhythmias |
| Table 4 - Education | Table 4 - Postoperative Acute Renal Failure |
| Table 5 - ICU Care and Outcomes | Table 5 - Minimally Invasive Procedures |
| Table 6 - Cardioprotection | Table 6 - Hypoxia During One Lung Ventilation |
| Table 7 - Intraoperative Management of Ischemia | Table 7 - Neurological Monitoring in Cardiac Surgery |
| Table 8 - Transfusion Practices | Table 8 - Perioperative Management of Lung Volume Reduction |

Choice | Sunday Evening, May 7, 2000
---|---
| Table 1 - Neuro Complications |
| Table 2 - Optimal Management of CPB |
| Table 3 - Pediatric Cardiac Anesthesia |
| Table 4 - Post Thoracotomy Complications |

Choice | Monday Breakfast, May 8, 2000
---|---
| Table 1 - Thoracoscopic Procedures |
| Table 2 - Spinal Cord Protection During Descending Thoracic Aortic Surgery |
| Table 3 - Protamine and Coagulation |
| Table 4 - Inotropes and Vasocostricators |
| Table 5 - Intraoperative Right Heart Failure after Heart Transplantation |
| Table 6 - Inflammation |
| Table 7 - Monitoring: State of the Art |
| Table 8 - Gender Issues in Cardiovascular Anesthesia |

Choice | Monday Luncheon, May 8, 2000
---|---
| Table 1 - Ischemia and Infarction |
| Table 2 - Neurologic Outcomes in Vascular and Cardiac Surgery |
| Table 3 - Mechanical Support of Circulation |
| Table 4 - Mediastinal Masses |

Choice | Tuesday Luncheon, May 9, 2000
---|---
| Table 1 - Lung Separation in a Patient with Difficult Airway |
| Table 2 - Aortic Surgery |
| Table 3 - TEE for Non-cardiac Surgery |
| Table 4 - Fast-Tracking |

Choice | Tuesday Evening, May 9, 2000
---|---
| Table 1 - Total Intravenous Anesthesia |
| Table 2 - Nitric Oxide |
| Table 3 - Newer Drugs |
| Table 4 - Ethics |

# ___of Roundtables registered for x $40 = $_________

Please add total amount from Roundtable Registration to page 21.

See pages 10-11 for table topics and faculty. Please select your first, second and third choices on each day you wish to attend Roundtables. You will be assigned to only one table per session. Each table is limited to 15 registrants. Registration fee: $40.00 per person, per session.
Hotel Reservation Form

22nd Annual Meeting
May 6-10, 2000

Complete this Reservation Form and send Deposit to:

Walt Disney World Dolphin
Reservations Department
1500 Epcot Resorts Blvd. / P.O. Box 22653
Lake Buena Vista, FL 32830-2653
Ph: 1-800-227-1500
Fax: 407-934-4710

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 ________
Children under 18 are complimentary in the same room with parents. *There is a $25 charge for each additional adult (over two) occupying the room.

Rates (All rates quoted are exclusive of state/local tax, currently 11%. A $5.00 per room per day resort services fee will be added.)

$194 Single  $194 Double

Please Reserve:

_______ Rooms  My Arrival Date is: ________________________ Arrival Time: _______________________ My Departure Date is: ____________________

Check in time is 3:00pm, check out time is 11:00am. For suites, please contact hotel directly.

☐ Non Smoking  ☐ Smoking  ☐ King  ☐ Double/Double
(Based on availability)

Special Requests (In accordance with American Disabilities Act): _______________________________________________________________ ______________

In order to guarantee your reservation, please include the first night’s deposit.

☐ Enclosed is my check in the amount of $____________.

☐ Please charge first night’s deposit to my ☐ VISA  ☐ MasterCard  ☐ American Express  ☐ Diners Club  ☐ Carte Blanche

Card No. ___________________________________________________________ Exp. Date ____________________________________________

Signature ___________________________________________________________________________________________________ Name Printed on Card __________________________________________

Credit Card charged upon receipt. Reservations cancelled 48 hours prior to arrival date will receive a full refund if cancellation number is obtained.
To make changes to reservations, please contact the hotel directly at 1-800-227-1500.

Cut-off date: April 5, 2000
Rooms are subject to availability
22nd Annual Meeting & Workshops
May 6-10, 2000

Walt Disney World Dolphin Hotel, Orlando, FL

First Notice