

SCA 22ND Annual Meeting & Workshops



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

*Society of Cardiovascular
Anesthesiologists*



First Notice

Target Audience: Physicians and allied health personnel with an interest in anesthesia care of patients with cardiovascular disease; career scientists actively involved in research relating to thoracic or cardiovascular anesthesiology.

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



Daniel M. Thys, MD
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Roger A. Moore, MD
President Elect



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Gary W. Roach, MD
*Scientific Program
Committee Chair*

Scientific Program Committee

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Linda Shore-Lesserson, MD
Education Committee Chair

Education Committee

Linda Shore-Lesserson, MD, *Chair*
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Luis G. Michelsen, MD
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Fiona Ralley, MD
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Jack S. Shanewise, MD
Erin A. Sullivan, MD
Stuart J. Weiss, MD
David A. Zvara, MD

SCA 22nd Annual Meeting & Workshops • May 6-10, 2000

Walt Disney World Dolphin

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.

Annual Meeting Learning Objectives

Sunday, May 7, 2000

Refresher Courses

Disease of the Proximal Aorta: Implications for the Anesthesiologist

Following this session, the participant will be able to:

- Demonstrate how the anesthesiologist can detect disease of the proximal aorta.
- Discuss management alternatives in patients with disease of the proximal aorta.

Pathogenesis and Consequences 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.

Monday, May 8, 2000

Expert Panel on the Use of Antifibrinolytics in Cardiac Surgery

This session will provide an in-depth review of the current literature, controversies and clinical use of antifibrinolytic drugs in cardiac surgery.

ASE/SCA Guidelines for Performing a Comprehensive TEE Exam

Following this session, the participants will:

- Know the origins of the guidelines document
- Understand the reasons the guidelines were made
- Apply the guidelines to their practice of echocardiography

Pediatric Cardiac Anesthesia – Problems Weaning from Cardiopulmonary Bypass

Following this session, the participants will:

- Determine perioperative management of severe coagulopathy after CPB; appropriate coagulation tests
- Understand the role of antifibrinolytics
- Apply TEE for diagnosis of hemodynamically significant residual effects

Translating Research Into Practice: Implications from Prior SCA Research Grant Recipients (An overview of SCA sponsored grants)

Following this session, the participants will:

- Know the currently available research grants sponsored by the Society for Cardiovascular Anesthesiologists
- Understand the implications of previously funded research by the Society

Thoracic Session

Following this session, the participants will:

- Understand the purpose of lung volume reduction surgery and the potential patient benefits; know the National Emphysema Treatment Trial (NETI)
- Receive an update regarding the current status of lung transplantation; examine recent and future advances in the anesthetic management of lung transplantation
- Understand the impact of thoracic surgical procedures on postoperative pulmonary function and of the patient's preexisting lung function on the thoracic surgical procedure

Pathophysiology of CPB

At the conclusion of this session, the participants will:

- List end-organs at greatest risk for dysfunction following CPB
- Consider strategies to limit the physiologic perturbations induced by CPB

Intraoperative Assessment of the Mitral Valve

Following this session, the participants will:

- Determine evaluation of the anatomy of the mitral valve apparatus; understand mitral valve nomenclatures in reparative surgery
- Understand surgical approaches for reparative surgery - established and innovative techniques
- Understand comprehensive and systematic approach to the evaluation of the mitral valve

Annual Meeting Learning Objectives

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.

Management of Thoracic Aneurysm

At the conclusion of this session, the participants will be able to:

- Outline the echo techniques (imaging planes and modalities) for interrogating the thoracic aorta by TEE and will be able to demonstrate the echocardiographic findings associated with pathologic conditions of the thoracic aorta.
- Present the primary methods of cardiopulmonary perfusion for surgical repair of thoracic aortic aneurysms. This includes methods of cannulation, deep hypothermic circulatory arrest, retrograde cerebral perfusion, and selective cerebral perfusion. Monitoring of cerebral perfusion and cooling will be addressed.
- Understand the indications, benefits, and risks of thoracic endovascular aortic repair; provide an overview of the surgical techniques and considerations of endovascular repair; and review the anesthetic considerations during thoracic endovascular repair.

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, MBCh

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. Bettex, 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 <ul style="list-style-type: none"> • 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. Shanewise, MD; Albert T.W. Cheung, MD Session C: Pediatric Cardiac Anesthesia – Problems Weaning from Cardiopulmonary Bypass Moderator: Isobel A. Russell, MD, PhD <ul style="list-style-type: none"> • Severe Coagulopathy after CPB Glyn D. Williams, FFA (SA) • Evaluation of Hemodynamically Significant Residual Defects Wanda Miller-Hance, MD Session D: Translating Research Into Practice: Implications from Prior SCA Research Grant Recipients Moderators: Lee A. Fleisher, MD; Carl C. Hug, Jr., MD, PhD Panel Discussion: <ul style="list-style-type: none"> • SCA Sponsored Grants Lee A. Fleisher, MD • How Far Have We Come and Where Are We Going? Carl C. Hug, Jr., MD, PhD • Previous Awardees Hilary P. Grocott, MD; Christopher R. Cartwright, MD; TBA
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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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
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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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Lawrence T. Goodnough, MD • Bruce D. Spiess, MD Session D: Literature Review Moderator: Marc S. Kanchuger, MD <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Topic I: Impact of TEE on Expert Performance Moderator: Solomon Aronson, MD <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Pro: Joseph G. Reves, MD • Con: James G. Ramsay, MD

Wanda C. Miller-Hance, MD
*University of California, San Francisco
San Francisco, CA*

Christina Mora Mangano, MD
*Stanford University
Stanford, CA*

John M. Murkin, MD
*University Hospital
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Thomas F. Slaughter, MD
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Durham, NC*

Peter D. Slinger, MD
*The Toronto Hospital
Toronto, Ontario, Canada*

Bruce D. Spiess, MD
*Virginia Commonwealth University, MCV
Campus
Richmond, VA*

William J. Stewart, MD
*Cleveland Clinic Foundation
Cleveland, OH*

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. Sherman, MD

- **Platelet Inhibitory Agents**
Jane C.K. Fitch, MD
- **Update on the Management of Perioperative Atrial Arrhythmias**
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, MBBCh
- **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

Erin A. Sullivan, MD

University of Pittsburgh Medical Center
Pittsburgh, PA

Tom Treasure, MD, MS, FRCS

St. George's Hospital
London, England, United Kingdom

Christopher A. Troianos, MD

Mercy Hospital
Pittsburgh, PA

John L. Waller, MD

Emory University School of Medicine
Atlanta, GA

Matthew B. Weinger, MD

University of California, San Diego
San Diego, CA

Glyn D. Williams, FFA (SA)

University of Washington
Seattle, WA

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. Ralley, 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, MD, PhD & Alan Jay Schwartz, MD, MEd
- 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. Despotis, 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

Simon 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

Edmond 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

Jerrold 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. Shernan, 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. Wartier, MD
Milwaukee, Wisconsin

Charles B. Watson, MD
Easton, Connecticut

Stanley Weber, MD
Pittsburgh, Pennsylvania

Vinit Wellis, MD
Stanford, California

Richard L. Wolman, MD
Madison, Wisconsin

David A. Zvara, MD
Winston-Salem, North Carolina

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-Stephane 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 Giesecke, 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.

Faculty

Francois A. Beique, MD
*Jewish General Hospital
Montreal, Quebec, Canada*

Charles David Collard, MD
*Brigham and Women's Hospital
Boston, Massachusetts*

N. Martin Giesecke, 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-Stephane 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.

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. Sherman, 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 - 11:25 am	Native Mitral Valves Bruce A. Bollen, 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 — 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

Andre-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
Tocoma, 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. Sherman, 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 <ol style="list-style-type: none">1) Ventricular Assist Device (Heartmate, Novacor) Andrew Goldstein, MD2) Renal Dialysis (CVVHD, Hemodialysis) C. David Mazer, MD3) 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

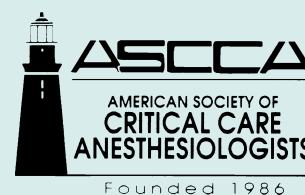
Uday Jain, MD, PhD, *Co-Chair*
Stanford University School of Medicine
Stanford, California

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



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 pathological 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. Thielmeier, MD

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

Faculty

Michelle J. Capdeville, MD
*University Hospitals of Cleveland
Cleveland, Ohio*

Long K. Han, MD
*MacNeal Hospital
Berwyn, Illinois*

Charles J. Hearn, DO
*Cleveland Clinic Foundation
Cleveland, Ohio*

Eugene A. Hessel, II, MD
*University of Kentucky School of Medicine
Lexington, Kentucky*

Andrew K. Hilton, MBBS
*Duke University Medical Center
Durham, North Carolina*

Kristine J. Hirsch, MD
*Dalhousie University
Halifax, Nova Scotia, Canada*

Emilio B. Lobato, MD
*University of Florida
Gainesville, Florida*

Scott F. MacKinnon, MD
*Rhode Island Hospital
Providence, Rhode Island*

Andrew D. Maslow, MD
*Rhode Island Hospital
Providence, Rhode Island*

Joseph P. Mathew, MD
*Duke University Medical Center
Durham, North Carolina*

Albert C. Perrino, Jr., MD
*Yale University
New Haven, Connecticut*

Scott T. Reeves, MD, Co-Chair
*Medical University of South Carolina
Charleston, South Carolina*

Scott M. Sadel, MD
*Emory University School of Medicine
Atlanta, Georgia*

Robert M. Savage, MD
*Cleveland Clinic Foundation
Cleveland, Ohio*

Mark Stafford Smith, MD
*Duke University Medical Center
Durham, North Carolina*

Kenneth A. Thielmeier, MD
*Medical Center Anesthesiologists
Louisville, Kentucky*

Lee K. Wallace, MD
*Cleveland Clinic Foundation
Cleveland, Ohio*

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 cardíaca.
- 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	Introduccion 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 Cardíacas Ian Macveigh, MD
11:45 am - 12:00 pm	Preguntas y Respuestas
12:00 - 1:00 pm	Almuerzo
1:00 - 1:45 pm	Artefactos 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.

Faculty

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

David J. Cook, MD
Mayo Clinic
Rochester, Minnesota

Michael N. D'Ambra, MD
Massachusetts General Hospital
Boston, Massachusetts

Marc L. Dickstein, MD
Columbia University
New York, New York

John Gott, MD
Emory University Hospital
Atlanta, Georgia

Glenn P. Gravlee, MD
Ohio State University
Columbus, Ohio

Edward K. Heres, MD, *Co-Chair*
Allegheny General Hospital
Pittsburgh, Pennsylvania

Michael B. Howie, MD
Ohio State University
Columbus, Ohio

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

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

Jose M. Marquez, MD
Allegheny General Hospital
Pittsburgh, Pennsylvania

Gregory A. Nuttall, MD
Mayo Clinic
Rochester, Minnesota

Fiona E. Ralley, MD, *Co-Chair*
London Health Sciences Center
London, Ontario, Canada

Linda Shore-Lesserson, MD, *Co-Chair*
Mt. Sinai School of Medicine
New York, New York

David A. Zvara, MD
Wake Forest University School of Medicine
Winston-Salem, North Carolina

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 <ul style="list-style-type: none">• 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

Faculty

Dean B. Andropoulos, MD
*Texas Children's Hospital
Houston, Texas*

Victor C. Baum, MD
*University of Virginia
Charlottesville, Virginia*

Laurie K. Davies, MD
*University of Florida
School of Medicine
Gainesville, Florida*

Richard A. Jonas, MD
*Children's Hospital, Boston
Boston, Massachusetts*

Frank H. Kern, MD
*Duke University Medical Center
Durham, North Carolina*

Peter C. Laussen, MBBS, Co-Chair
*Children's Hospital, Boston
Boston, Massachusetts*

Francis X. McGowan, MD, Co-Chair
*Children's Hospital, Boston
Boston, Massachusetts*

Lynne M. Reynolds, MD
*University of California, San Francisco
San Francisco, California*

Susheela Sangwan, MD
*University of California, Los Angeles
Los Angeles, California*

James M. Steven, MD
*Children's Hospital of Philadelphia
Philadelphia, Pennsylvania*

SCA 22nd Annual Meeting & Workshops • May 6-10, 2000
Walt Disney World Dolphin

Scientific Program Registration

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 _____
Last First MI
Address _____
City, State, Zip _____
Office Phone () _____ Fax # () _____
Email _____
Accompanying Person(s) Name(s)* _____

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

Annual Meeting Registration

	Through 3/31/2000	After 3/31/2000	
<input type="checkbox"/> Member	\$450	\$500	\$ _____
<input type="checkbox"/> Non-Member (MD, DO, PhD)*+	\$550	\$600	\$ _____
<input type="checkbox"/> Resident/Fellow (entire Annual Meeting)**	\$ 75	\$ 75	\$ _____
<input type="checkbox"/> Resident/Fellow (Refresher Course/Resident Lunch)^	\$ 25^	\$ 25^	\$ _____
<input type="checkbox"/> Non-Physician (Perfusionists)+	\$350	\$400	\$ _____
<input type="checkbox"/> Non-Physician (licensed to administer anesthesia)+	\$550	\$600	\$ _____
<input type="checkbox"/> Accompanying Person(s) # _____ @	\$ 25	\$ 30	\$ _____

*\$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 \$ _____

For Office Use Only:

Reg. #: _____ CC Auth.: _____
Check #: _____ Amount: \$ _____ Date Paid: _____

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Walt Disney World Dolphin

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.**

Choice

Saturday, May 6, 2000

			Through 3/31/2000	After 3/31/2000	
_____	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)		\$120	\$150	\$ _____
_____	Thoracic Anesthesia (limited to 100 participants/includes lunch)		\$120	\$150	\$ _____

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

				1st	2nd	3rd
11:00 - 11:30 am	1	2	3	___	___	___
11:30 am - 12:00 pm	1	2	3	___	___	___
1 Ventricular Assist Device (Heartmate, Novacor) (<i>Goldstein</i>)				3 Nitric Oxide (Delivery and Monitoring System) (<i>Hill</i>)		
2 Renal Dialysis (CWHD, Hemodialysis) (<i>Mazer</i>)						

Choice

Sunday, May 7, 2000

				Through 3/31/2000	After 3/31/2000	
_____	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)			\$180	\$225	\$ _____
_____	Pediatric (limited to 100 participants/includes lunch)			\$180	\$225	\$ _____

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

									1st	2nd	3rd
1:00 - 1:45 pm	1	2	3	4	5	6	7	8	___	___	___
2:00 - 2:45 pm	1	2	3	4	5	6	7	8	___	___	___
3:00 - 3:45 pm	1	2	3	4	5	6	7	8	___	___	___
4:00 - 4:45 pm	1	2	3	4	5	6	7	8	___	___	___
1 Port-Access Cardiac Surgery (<i>Kanchuger</i>)				4 Vasoconstrictor Pharmacology (<i>Howie</i>)				7 CPB Separation Strategies (<i>Johnson</i>)			
2 Management of Post CPB Bleeding (<i>Ralley</i>)				5 Ischemia Management During Off-Pump CABG (<i>Marquez</i>)				8 Pain Control after Minimally Invasive (<i>Cheng</i>)			
3 Protamine and Alternatives (<i>Heres</i>)				6 Mechanical Support of the Failing Heart (LVAD, etc.) (<i>Zvara</i>)							

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**

- _____ **Table 1 - Non-cardiac Surgery in Patients with Cardiac Disease**
- _____ **Table 2 - Publishing Your Research**
- _____ **Table 3 - Does Hemodynamics Affect Outcome?**
- _____ **Table 4 - Education**
- _____ **Table 5 - ICU Care and Outcomes**
- _____ **Table 6 - Cardioprotection**
- _____ **Table 7 - Intraoperative Management of Ischemia**
- _____ **Table 8 - Transfusion Practices**

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 - Thoroscopic Procedures**
- _____ **Table 2 - Spinal Cord Protection During Descending Thoracic Aortic Surgery**
- _____ **Table 3 - Protamine and Coagulation**
- _____ **Table 4 - Inotropes and Vasoconstrictors**
- _____ **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 Breakfast, May 9, 2000**

- _____ **Table 1 - Heparin Resistance and Intraoperative Coagulation Monitoring**
- _____ **Table 2 - Acute Post-Thoractomy Pain Management**
- _____ **Table 3 - Management of Intraoperative Ventricular Arrhythmias**
- _____ **Table 4 - Postoperative Acute Renal Failure**
- _____ **Table 5 - Minimally Invasive Procedures**
- _____ **Table 6 - Hypoxia During One Lung Ventilation**
- _____ **Table 7 - Neurological Monitoring in Cardiac Surgery**
- _____ **Table 8 - Perioperative Management of Lung Volume Reduction**

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

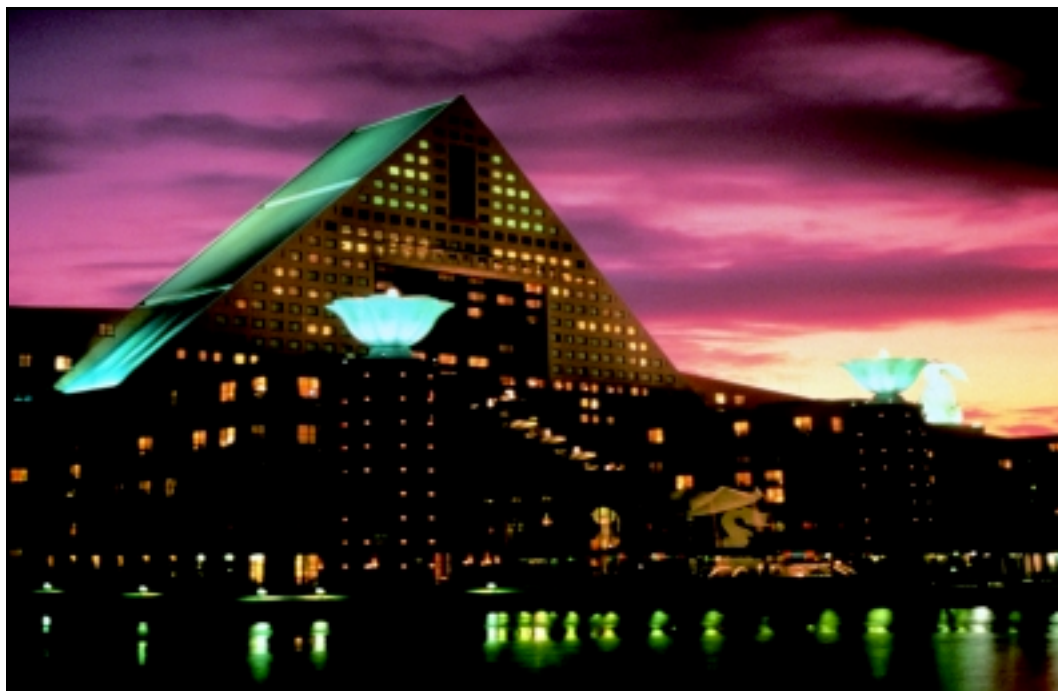
Rooms are subject to availability

Society of Cardiovascular Anesthesiologists



22ND Annual Meeting & Workshops

May 6-10, 2000



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Walt Disney World Dolphin Hotel, Orlando, FL

First Notice

Society of Cardiovascular Anesthesiologists
P.O. Box 11086
1910 Byrd Avenue, Suite 100
Richmond, VA 23230-1086

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