

27th Annual

SAN DIEGO CARDIOTHORACIC SURGERY SYMPOSIUM: Science and Techniques of Perfusion

March 15 – 18, 2007

San Diego Marriott Hotel & Marina
San Diego, California

SESSION TOPICS

Blood and Bleeding

Perfusion Best Practices

Circulatory-Assist Devices

Microparticles and TF Proteins

Hands-On Training Workshop: Mini-Circuits

Utley Award and Bullet Abstract Presentations

Case Presentations: Challenging Cases & Useful Hints

Coronary Anomalies: Perfusion Considerations

Cardiac Surgery and Interventions: An Update

Anesthesiologist/Perfusionist Interactions

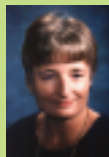
FDA Regulation of CPB Components

Databases and System Improvements

Fireside Chats

Jointly sponsored by the University of California, Irvine, School of Medicine and Aligned Management Associates, Inc.

PROGRAM CHAIR



Julie A. Swain MD
Program Chair
San Diego Cardiothoracic
Surgery Symposium

Robert C. Groom MS CCP
Maine Medical Center

Robert A. Guyton MD
Emory University
School of Medicine

Mary B. Hartley RN CP MSN/ED
Midwestern University

Joel A. Kaplan MD
University of Louisville

Tom R. Karl MS MD
University of California,
San Francisco

Jerrold H. Levy MD
Emory University
School of Medicine,
Emory University Hospital

Linda B. Mongero BS CCP
New York Presbyterian Medical Center,
Columbia Campus

William C. Nugent MD
Dartmouth-Hitchcock Medical Center

Carlos E. Ruiz MD PhD
Lenox Hill Heart and Vascular
Institute of New York

Nicholas G. Smedira MD
Cleveland Clinic Foundation

Alfred H. Stammers MSA CCP
Geisinger Medical Center

Julie A. Wegner CCP PhD
Midwestern University

Catherine P. Wentz MS
Food and Drug Administration

FACULTY

Robert H. Bartlett MD
University of Michigan

W. Randolph Chitwood, Jr. MD
East Carolina University

L. Henry Edmunds, Jr. MD
University of Pennsylvania
School of Medicine

Lawrence T. Goodnough MD
Washington University





COURSE DESCRIPTION

Since 1981 the *San Diego Cardiothoracic Surgery Symposium* has evolved as the premier educational gathering for perfusionists, physicians and surgeons, and biomedical professionals whose work relates to cardiovascular surgery. This annual four-day Symposium offers in-depth presentations and discussions on topics related to cardiovascular surgery and extracorporeal perfusion, and its exhibit show features one of the largest displays of new equipment and technology provided at an educational venue.

ATTENDEE PROFILE

CREF2007 is designed to meet the specific educational needs of medical professionals involved with treating cardiac disease: anesthesiologists, biomedical technicians, cardiac surgeons, cardiologists, nurses, perfusionists, physician assistants, and technology researchers and developers.

COURSE OBJECTIVES

Upon completion of this activity, you as a participant should be able to:

- Apply knowledge of biochemistry and engineering to select the most appropriate perfusion techniques for specific patients, and evaluate various perfusion practices and standards to determine whether modifying your current practice would improve outcomes
- Assess the benefits and drawbacks to incorporating new techniques, technologies, and pharmaceuticals in your practice of managing blood and bleeding during surgery
- Identify and evaluate current and future types of mechanical circulatory-assist devices to assess the long-range need for such devices, and determine which might best meet specific needs of different patient populations
- Identify and evaluate the latest advances in valve surgery, drug-eluting stents, and transcatheter interventions for structural heart disease to ascertain whether they might serve as appropriate treatment approaches for your patients
- Increase your knowledge of mini-circuit design, operation, safety, and use; and determine which device best meets the needs of specific patient populations
- Acquire information and strategies for improving your interaction with anesthesiologists and perfusionists to improve patient outcomes
- Improve patient outcomes by applying information learned from analyzing and discussing challenging cases
- Increase awareness and use of new technologies and techniques related to cardiopulmonary bypass, summarize how the FDA regulates CPB components, and decide whether adopting new technologies or techniques might benefit your current practice

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the University of California, Irvine, School of Medicine and Aligned Management Associates, Inc. The University of California, Irvine, School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

CME DESIGNATION STATEMENT

The University of California, Irvine, School of Medicine designates this educational activity for a maximum of 21.5 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

DISCLOSURE

It is the policy of the University of California, Irvine, School of Medicine, that the faculty and sponsor disclose any real or apparent conflict of interest relating to the topics of this educational activity and also disclose discussion of unlabeled/unapproved uses of drugs or devices during their presentation(s). Detailed disclosure will be made in writing in the activity handout materials.

CEU DESIGNATION STATEMENT

The American Board of Cardiovascular Perfusion has allotted 25.8 CEU hours to perfusionists in attendance. The Cardiothoracic Education and Research Institute is approved by the California Board of Registered Nursing, Provider Number CEP9793, for 25.8 contact hours.

CALL FOR ABSTRACTS

The CREF2007 Program Committee invites participants to submit abstracts for oral and/or poster presentation. All accepted abstracts will be presented as posters during the moderated poster session Friday evening, March 16; selected abstracts will also be presented orally as bullet abstracts Thursday afternoon, March 15, 2007. The deadline for all abstracts is January 25, 2007.

UTLEY AWARD

All abstracts submitted will be considered for the eighth annual Utley Award, named in honor of Joe R. Utley MD, Founder and Director of the Cardiothoracic Research and Education Foundation (CREF). The Utley Award is presented for the best abstract submitted, with preference given to those submitted by perfusionists, as judged by the CREF2007 Program Committee. The recipient of the Utley Award will present his or her abstract on Thursday afternoon, March 15, and will be awarded a \$1,000 prize and commemorative sculpture. For detailed information about the submission process, visit www.amainc.com.



Jennifer K. White MD
Winner of the
2006 Utley Award

HANDS-ON TRAINING WORKSHOP: MINI-CIRCUITS

Saturday afternoon, March 17, attendees will have an exciting opportunity to gain hands-on experience with mini-circuits. Invited companies Maquet, Medtronic, Sorin, and Terumo will demonstrate how to operate, maintain, and troubleshoot their machines. Participants will be able to gain hands-on exposure to each device; summarize the engineering design rationale for each circuit's components; set up and troubleshoot each circuit; assess advantages and disadvantages to using mini-circuits, especially regarding safety and air management; and determine which circuit would best meet the needs of specific patient populations.

JUST DO IT!

Not just Saturday morning, but every morning at CREF 2007, you can wake at dawn, throw on your running shoes, and hit the boardwalk with Diane Van Deren. Diane, the keynote speaker at CREF 2005, will return to lead a daily morning exercise session and informal run/walk.

Diane was nominated for *Hooked on the Outdoors* magazine's "2006 Outdoor Person of the Year Award" and received the Teva Mountain Games "Everest Award" for the top female trail runner. She was nominated among others "whose skill and innovation has pushed their sport to new heights and redefined the parameters of the achievable. They are pioneers, innovators, leaders, change agents and reflect the soul of the sport." If you attended CREF 2005 or 2006, you know about Diane's amazing recovery from debilitating epileptic seizures and personal journey to become an award-winning athlete and renowned public speaker.

No sign-up, no race numbers, no contest. Just fun and inspiring exercise. Open to all CREF attendees and their guests.

CONTACT INFORMATION

For additional information, contact:

CREF 2007
793-A Foothill Blvd., #119
San Luis Obispo, CA 93405
805.534.0300 (phone)
805.534.9030 (fax)
info2007@amainc.com
www.amainc.com

SCIENTIFIC AGENDA

THURSDAY, MARCH 15, 2007

- 11:00 AM Registration Opens
-
- 1:00 – 3:00** **PERFUSION BEST PRACTICES**
Moderators: Julie A. Swain MD and Julie A. Wegner CCP PhD
- 1:00 Best Practices and Standards in Perfusion
Alfred H. Stammers MSA CCP
- 1:40 Miniaturized CPB Circuits: Does Size Make a Difference?
Robert C. Groom MS CCP
- 2:20 Extracorporeal Life Support
Mary B. Hartley RN CP MSN/ED
- 3:00** **Break**
-
- 3:30 – 6:00** **UTLEY AWARD AND BULLET ABSTRACTS**
Moderators: Robert C. Groom MS CCP and
Mary B. Hartley RN CP MSN/ED
- 3:30 Eighth Annual Utley Award Presentation
- 3:45 Bullet Abstract Presentations
Ten oral presentations will be made by authors of submitted abstracts, as selected by the CREF Program Committee

FRIDAY, MARCH 16, 2007

- 6:30 AM Informal Exercise Session and Fun-Run
7:00 Continental Breakfast
-
- 7:30 – 10:00** **BLOOD AND BLEEDING**
Moderator: Alfred H. Stammers MSA CCP
- 7:30 Management of Refractory Bleeding
Lawrence T. Goodnough MD
- 8:00 Antifibrinolytics: Old Drugs, New Ideas
Jerrold H. Levy MD
- 8:30 An Evidence-Based Approach to the Use of Mechanical
Devices in Perioperative Blood Management
Alfred H. Stammers MSA CCP
- 9:00 Going Back on Bypass: Urgent CPB and Management Issues
Julie A. Wegner CCP PhD
- 9:30 Discussion
- 10:00** **Break and Exhibits Open**
-
- 10:30 – 12:45** **SPECIAL CONSIDERATIONS IN PERFUSION**
Moderator: L. Henry Edmunds, Jr. MD
- 10:30 Coronary Anomalies: Perfusion Considerations for Children
and Adults
Tom R. Karl MS MD
- 11:15 Circulatory-Assist Devices
Nicholas G. Smedira MD
- 12:00 Why Care about Microparticles and TF Protein?
L. Henry Edmunds, Jr. MD
- 12:45 – 2:00** **Lunch Break (Exhibits Open at 1:00)**
-
- 2:00 – 3:30** **QUALITY ASSESSMENT**
Moderator: Robert C. Groom MS CCP
- 2:00 Use of an Instrument Panel to Evaluate Your System and
Create Sustainable Improvements
Robert C. Groom MS CCP
- 2:30 Database and Quality Improvement
William C. Nugent MD
- 3:00 Discussion
- 3:30 – 4:00** **Break and Exhibits**

4:00 – 5:00 FIRESIDE CHATS

- 1: Cruisin' with Perfusion Outside the OR**
Moderators: Robert C. Groom MS CCP,
Linda B. Mongero BS CCP, and William C. Nugent MD
- 2: Controlling Clot Formation during Cardiac Surgery**
Moderators: Jerrold H. Levy MD and Julie A. Wegner CCP PhD
- 3. Platelets, Stem Cells, and Other Elixirs of Wound Healing**
Moderators: Lawrence T. Goodnough MD,
Alfred H. Stammers MSA CCP, and Catherine P. Wentz MS

5:00 – 5:30 Poster Presentations

Moderator: Julie A. Wegner CCP PhD

5:30 – 6:30 Exhibitor Reception

SATURDAY, MARCH 17, 2007

- 6:30 AM Informal Exercise Session and Fun-Run
7:00 Continental Breakfast
-
- 7:30 – 9:45** **NEW TREATMENTS FOR CARDIAC DISEASE**
Moderator: Julie A. Swain MD
- 7:30 Mitral Valve Anatomy and Repairs
W. Randolph Chitwood, Jr. MD
- 8:15 Coronary Bypass and Drug-Eluting Stents
Robert A. Guyton MD
- 9:00 New Transcatheter Interventions for Structural Heart Disease
Carlos E. Ruiz MD PhD
- 9:45** **Break and Exhibits**
-
- 10:30 – 12:00** **PERFUSION FOR OXYGENATION**
Moderator: Joel A. Kaplan MD
- 10:30 Extracorporeal Life Support: What's New?
Robert H. Bartlett MD
- 11:15 FDA Regulation of CPB Components
Catherine P. Wentz MS
- 12:00** **Lunch Break and Exhibits**
-
- 1:30 – 3:00** **HANDS-ON TRAINING WORKSHOP: MINI-CIRCUITS**
Maquet, Medtronic, Sorin, and Terumo will demonstrate how to operate, maintain, and troubleshoot their mini-circuit CPB systems. Workshops will last 45 minutes, run concurrently, and repeat.
- 3:30 Exhibits dismantle

SUNDAY, MARCH 18, 2007

- 6:30 AM Informal Exercise Session and Fun-Run
7:00 Continental Breakfast
-
- 7:30 – 9:30** **ANESTHESIA AND TECHNICAL CONSIDERATIONS**
Moderators: Robert C. Groom MS CCP and
Linda B. Mongero BS CCP
- 7:30 Anesthesia and Cannulation Considerations for Arch Surgery
Linda B. Mongero BS CCP
- 8:15 Apheresis: A Role for Perfusion?
Mary B. Hartley RN CP MSN/ED
- 9:00 What Anesthesiologists Expect from Perfusionists
Linda B. Mongero BS CCP and Joel A. Kaplan MD
- What Perfusionists Expect from Anesthesiologists
Robert C. Groom MS CCP, Alfred H. Stammers MSA CCP,
and Julie A. Wegner CCP PhD
- 9:15 Discussion
- 9:30** **Break**
-
- 10:00 – 12:00** **CHALLENGING CASES AND USEFUL HINTS**
Moderators: Robert C. Groom MS CCP, Joel A. Kaplan MD,
Alfred H. Stammers MSA CCP, and Julie A. Wegner CCP PhD
- 12:00** **Adjourn**

CREF 2007

475 W. Stetson, Suite T, #388
Hemet, CA 92543

PRSR STD
U.S. Postage
PAID
Permit 751
San Diego, CA

Return Service Requested



CREF 2007 • MARCH 15 - 18, 2007 • COURSE REGISTRATION

You may register online at www.amainc.com or return this form (or photocopy) by mail or fax with payment to: **CREF 2007**
475 W. Stetson, Suite T, #388, Hemet, CA 92543 • 951.765.2573 (phone) • 951.765.2576 (fax) • info2007@amainc.com • www.amainc.com

Please check one:	Before Feb. 15, 2007	After Feb. 15, 2007
Physician / Biomedical Professionals	\$425 <input type="checkbox"/>	\$450 <input type="checkbox"/>
CCPs / RNs / PAs	\$375 <input type="checkbox"/>	\$400 <input type="checkbox"/>
Residents / Students (with status verification)	\$275 <input type="checkbox"/>	\$300 <input type="checkbox"/>

Registration includes conference materials; continental breakfast Friday, Saturday, and Sunday morning; Poster Presenters' and Exhibitors' Reception Friday evening; and a daily exercise session and fun-run.

First Name _____ M.I. ____ Last Name (Surname) _____
AS YOU WISH IT TO APPEAR ON YOUR BADGE

Degree(s) _____ Medical License # _____ OR Last 5 Digits of SSN _____

Specialty _____ Department _____

Institution / Company Name _____

Street Address _____

City/State/Zip or Postal Code _____

Country _____ Email _____

Daytime Phone _____ Fax _____

Visa MasterCard (only) Card # _____ Exp. Date _____

Name Printed on Card _____ Signature _____

Billing Address of Credit Card _____

I can't attend this year, but please add me to your mailing list.

Make checks payable to CREF (Tax ID #330668049) in U.S. funds. Refunds (less \$100 administrative fee) will be made only if written notice is received before February 15, 2007.

The University of California, Irvine, School of Medicine complies with the Americans with Disabilities Act. If you have special needs, please contact Susan Westwood at susan@amainc.com by no later than January 1, 2007; every reasonable effort will be made to accommodate you.

HOTEL REGISTRATION

Conference attendees are required to reserve their own rooms directly. Rates for Single or Double are \$225 per night*. Please contact:

San Diego Marriott Hotel & Marina
333 West Harbor Drive • San Diego, CA 92101
800.228.9290 (phone) • 619.234.8678 (fax)
Register online at www.marriott.com

*To obtain the discounted room rates, register by February 22, 2007, and remember to inform the hotel that you are attending CREF 2007.

TRAVEL & VENUE INFORMATION

The San Diego Marriott Hotel & Marina provides an ideal tourism base for conference attendees and their guests. Seaport Village is next door; Horton Plaza and the historic Gaslamp Quarter are just a few blocks away. A short drive will transport Marriott guests to Sea World, the Wild Animal Park, Old Town & Mission San Diego, La Jolla, or the world-famous San Diego Zoo. And those who have a taste for international flavor can easily travel to nearby Mexico (passport required for non-U.S. citizens).

Directions: From the San Diego International Airport, exit the parking area, turn left on Harbor Drive and continue approximately 2.5 miles. The hotel is on the right at 333 West Harbor Drive.