

38th Annual

CREF
2018

CARDIOTHORACIC SURGERY SYMPOSIUM

September 6 – 9, 2018

Westin San Diego Gaslamp Quarter
San Diego, California, USA

40.1 CEUs
25.5 CMEs

PROGRAM CO-DIRECTORS



Joanna Chikwe MD

Chief of Cardiothoracic Surgery
and Professor of Cardiothoracic Surgery
Stony Brook University Hospital
and Mt. Sinai Icahn School of Medicine



Alfred H. Stammers MSA CCP

Vice President of Clinical Quality
and Outcomes Research
SpecialtyCare, Inc.

FEATURED SPEAKERS



Tirone E. David MD FRCS

Professor and Head of Cardiovascular Surgery
University of Toronto
and Toronto General Hospital



C. David Mazer MD FRCPC

Professor, Departments of Anesthesia
and Physiology
University of Toronto

SESSION TOPICS

ECMO and ECLS

Blood Management

Abstract Presentations

OR Team-Building Strategies

Safety and Quality Improvement

Sexual Harassment in Medicine

Challenging Cases and Near Misses

Neurological and Renal Protection

Ask Me Anything (AMA) Roundtables

Myocardial Protection

Hands-On Workshops

Fireside Chats

Jointly provided by The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc.

PROGRAM COMMITTEE

Jeremiah R. Brown PhD

Dartmouth Institute for Health Policy and
Clinical Practice

Joanna Chikwe MD

Stony Brook University Hospital and Mt. Sinai
Icahn School of Medicine

George J. Despotis MD

Washington University School of
Medicine in St. Louis

Rebecca S. Gottesman MD PhD

Johns Hopkins Hospital

Serdar Gunaydin MD PhD

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Robert S. Kramer MD FACS

Maine Medical Center

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Flinders University Medical Centre
Bedford Park, South Australia

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UCLA Medical Center

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University of Health Sciences, Ankara, Turkey

William M. Hiesinger MD

Stanford University Medical Center

Robert S. Kramer MD FACS

Maine Medical Center

Donald S. Likosky PhD MS

University of Michigan

C. David Mazer MD FRCPC

University of Toronto

Linda B. Mongero BS CCP

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Amit A. Pawale MD

Mt. Sinai Icahn School of Medicine

Alfred H. Stammers MSA CCP

SpecialtyCare, Inc.

Joyce A. Wahr MD FAHA

University of Minnesota

www.crefmeeting.com

ABOUT CREF

CREF MISSION

This has been the CREF mission since 1981:

1. Share the latest research by world-renowned experts
2. Provide outstanding, affordable continuing education for healthcare professionals in cardiac surgery and perfusion
3. Promote optimal patient care

COURSE DESCRIPTION

CREF offers something for everyone: informative lectures, hands-on training workshops, case discussions, informal group fireside chats, expert AMA (ask me anything) roundtable discussions, interactive networking events, and a 5K/10K fun-run.

CREF speakers are world-class experts and thought leaders, presenting on the latest research and most important developments in cardiac surgery, extracorporeal perfusion, and ECLS. They offer specific, clear advice and instructions on how you can improve your practice.

Industry participation complements the scientific agenda with an impressive exhibit show, Product Theater eat-and-learn lectures, hospitality suites, training workshops, and attendee benefits.

ATTENDEE PROFILE

CREF 2018 is designed to meet the specific educational needs of health-care professionals whose work relates to cardiac surgery: cardiac anesthesiologists, biomedical technicians, advanced-practice providers, surgeons, nurses, perfusionists, and technology researchers and developers.



COURSE OBJECTIVES

After attending CREF 2018, you should be able to perform the following:

THURSDAY

- Analyze the numerous factors (medical, economic, staffing, etc.) that influence an ECMO program's success, and assess the feasibility of launching or expanding an ECMO program at your institution
- Explain and apply the principles of safe and successful ECMO practice, develop a system to record and evaluate performance, and promote regular training and education on theoretical and practical aspects of ECMO support

- Recognize major indications and contraindications of venovenous and venoarterial ECMO, identify common problems and serious complications of ECMO, and comprehensively assess the ECMO patient with appropriate monitoring techniques
- Identify ethical considerations surrounding use and withdrawal of ECMO support, decide when it is appropriate to consult specialists in the field of ethics and palliative care, and determine when and how to discuss ethical considerations with patients and family members in the ECMO setting

FRIDAY

- Review the latest evidence-based approaches to blood conservation and blood management to develop practical strategies to improve blood utilization, optimize blood conservation and management, reduce transfusion-related risks, and effectively administer allogeneic products in your clinical practice
- Understand the clinical settings and indications where plasma transfusions are appropriate and may improve outcomes
- Explain the challenges and potential new methods of conducting clinical trials in cardiac surgery

SATURDAY

- Apply quality-assurance principles, team-building techniques, and human-factors-engineering strategies to improve safety and performance, reduce and better manage errors, revise protocols, increase consistency of care, contain costs, and improve clinical outcomes
- Identify the key problem areas in heart valve surgery and discuss various approaches to resolving them
- Recognize unprofessional behavior patterns that undermine safety, identify essential elements of an organizational infrastructure that can effectively address unnecessary variation, and apply interventional skills to address unprofessional behavior

SUNDAY

- Summarize current diagnostic techniques used for cerebral monitoring, explain the most recent and efficacious strategies to reduce secondary cerebral injury following cardiopulmonary bypass, and evaluate various cerebral protection methods, including glycocalyx, based on review of evidence-based data
- Discuss new evidence that confirms poor outcomes associated with acute kidney injury, apply specific evidence-based strategies to effectively mitigate AKI associated with cardiac surgery, and select treatment options that may improve patient outcomes
- Review basic science related to the myocardial metabolic abnormalities following cardioplegic arrest, summarize the effects of cold cardioplegic arrest on ventricular function, and compare alternate protection strategies on outcomes of coronary and valvular surgery.
- Analyze sample challenging cases to determine what could have been done to prevent some or all complications, and discuss how you might apply what you've learned to improve patient outcomes



ACCREDITATION & HANDS-ON EDUCATION

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The Institute for Medical Studies (IMS) and Aligned Management Associates, Inc. IMS is accredited by the ACCME to provide continuing medical education for physicians.

CME Credit Designation Statement

The Institute for Medical Studies designates this live activity for a maximum of 25.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Academy of Physician Assistants (AAPA) accepts *AMA PRA Category 1 Credits*[™] from organizations accredited by the ACCME.

CEU Credit Designation Statement

The American Board of Cardiovascular Perfusion has allotted 40.1 hours to perfusionists in attendance.

The Cardiothoracic Education and Research Institute is approved by the California Board of Registered Nursing, Provider Number CEP9793, for 40.1 contact hours.

PRODUCT THEATERS

CREF Product Theaters (PTs) give you a chance to explore commercial products and services that can shape your work environment, improve your practice, and promote better patient care. At CREF PTs, dine with friends and colleagues and discover the benefits of employing advanced technology, best practices, and specialized services.

Attend CREF Product Theaters to:

- Gain practical understanding of products and services related to your practice
- Hear about some of the latest findings in CPB care
- Observe demonstrations of innovative equipment and technologies
- Obtain hands-on experience with products related to your profession
- Hear answers from key experts and industry representatives

PTs are organized independently by their industry hosts, and registered attendees pay no additional charge to attend. Because seating is limited, some CREF Product Theater hosts request pre-registration. All registered attendees will receive full details prior to the conference.



HANDS-ON WORKSHOPS

At CREF 2018, plan to participate in these hands-on workshops:

- **BIOMED SIMULATION ECMO SIMULATION**
Manage a simulated patient on ECMO, focusing on real-life scenarios.
- **CAPS WORKSHOP: SIMPLE 1-BUTTON SYRINGE PUMP TO DELIVER MICROPLEGIA USING ADENOCAINE TECHNOLOGY**
Learn how to use a Perfusor syringe pump to deliver CAPS-compounded solutions using a simple one-button technique.
- **ECLS WORKSHOP**
Obtain practical training in ECLS circuit management: initiation of support, controls, troubleshooting, cannulation, and more.
- **EIGHT MEDICAL WORKSHOP: INTRAPERITONEAL AND INTRA-THORACIC HYPERTHERMIA**
Learn how to perfuse the abdominal cavity and gain experience in tubing for a laparoscopic technique.
- **EMPLOYMENT WORKSHOP**
Receive practical guidance on writing a résumé, interviewing for a job, or negotiating a contract.
- **LIVANOVA TANDEMLIFE ECLS WORKSHOP**
Obtain practical training using the LivaNova TandemLife.
- **MEDTRONIC AUTOTRANSFUSION SIMULATION WORKSHOP**
Evaluate and practice techniques in autotransfusion for surgical and trauma situations.
- **SPECTRUM MEDICAL QUANTUM PERFUSION SAFETY SYSTEM WORKSHOP**
Experience a hands-on demonstration of the recently FDA-approved Quantum Heart-Lung machine.

The cost to attend each CREF workshop is included in your conference registration fee. Note that workshop participants must be registered for the conference, and guest registrants are not eligible to participate. For detailed information about each workshop, [visit our website](#).



NETWORKING & SOCIAL EVENTS

HOSPITALITY SUITES

At this year's CREF meeting, attendees will be invited to visit hospitality suites on Friday and Saturday, September 7 and 8. CREF hospitality suites are designed to foster meaningful interactions between attendees and industry representatives in a relaxed atmosphere, away from the noise and bustle of the exhibit hall.

Details about hospitality suites (dates, times, locations, and general guidelines) will be provided to registered attendees.

Note that hospitality-suite participants must be registered for the conference, and guest registrants are not eligible to attend.



FIRESIDE CHATS

CREF has been offering fireside chats for many years because they give attendees the opportunity to engage in candid conversations with experienced leaders in cardiac surgery, nursing, and perfusion. Each fireside chat, moderated by CREF faculty members, focuses on a specific topic: e.g., safety and quality, scope of practice, pediatric perfusion, blood management, and ECMO, to name a few.

The informal atmosphere — attendees sitting in a small circle with one or more moderators as guides — helps attendees feel relaxed and comfortable speaking up, asking questions, and contributing to the discourse. At this year's meetings, registered participants will help choose the topics for select fireside chats.

Note: fireside-chat seating is limited and available first come, first serve.

AMA (ASK ME ANYTHING) ROUNDTABLE DISCUSSIONS

You've got questions; our faculty have answers. On Friday and Saturday evenings, you are invited to enjoy light hors d'oeuvres, non-alcoholic beverages, and no-host cocktails on the patio while you engage in informal "Ask Me Anything" roundtable discussions with our invited faculty—all of whom are renowned experts in their field.

These interactive, participant-directed AMA Roundtable discussions are must-attend events, offering a unique opportunity to learn from experts and thought leaders. Many of them have already been where you're hoping to go, so ask them anything!

MEET & GREET LUNCHEON

Meeting new colleagues and making new friends is the main purpose of the CREF-sponsored "Meet & Greet Luncheon," so if you're new to the conference, coming from another country, or simply enjoy the idea of meeting new people, plan to show up on Thursday, 11:30 - 12:30. We'll do our best to make sure you leave feeling like you're a part of the CREF community.

WELCOME RECEPTION

Enjoy light hors d'oeuvres and drinks, connect with old friends, colleagues, and vendors, and see the hottest new products on the market during the CREF Welcome Reception on Thursday, September 6, 5:30 - 7:00 PM, in the Exhibit Hall.

Afterward, the evening is yours to explore San Diego nightlife, with many excellent options within walking distance of the hotel.

PRIZE RAFFLE

Attendees will have many opportunities to earn raffle tickets for the CREF Raffle Drawing, which will be held Sunday morning, September 9, at 9:45 AM. You must be present to win, but feel free to give your tickets to a friend who can claim your prizes for you. Here are some of this year's prizes:

- Series 3 Apple Watch (GPS + Cellular)
- Beats Solo3 Wireless Headphones
- FitBit Alta HR Activity Tracker
- FitBit Charge 2 Activity Tracker
- Tile Style & Sport Combo Pack Key Finders
- Gift Cards

5K / 10K FUN-RUN

Westin has teamed up with New Balance to create the Run Westin program, complete with gear loans if needed. The Westin Running Concierge will guide the CREF 5K/10K fun-run/walk scheduled for Sunday, September 9, 6:00 - 8:00 AM. What better way to get a great start to your final day of CREF?



CONFERENCE AGENDA

THURSDAY – SEPTEMBER 6

6:30 AM Registration Opens
CALIFORNIA FOYER / SECOND FLOOR

6:30 – 8:00 Continental Breakfast
GARDEN TERRACE / FOURTH FLOOR

8:00 – 8:15 INTRODUCTION AND WELCOME
SAN DIEGO BALLROOM / FOURTH FLOOR

8:00 Conference Welcome and Overview
Alfred H. Stammers MSA CCP

8:08 Conference Instructions
Susan W. Westwood MA

8:15 – 9:45 ECMO: HOW TO START OR EXPAND A PROGRAM *
SAN DIEGO BALLROOM / FOURTH FLOOR
Moderator: Vadim Gudzenko MD

8:15 How to Start an ECMO Program: From Staffing to Funding to Establishing Medical Need
William M. Hiesinger MD

8:35 Developing or Expanding an ECMO Program
Amit A. Pawale MD FRCS

8:55 Nuts and Bolts of an ECMO Practice: What to Do, What *Not* to Do
Linda B. Mongero BS CCP

9:15 Challenging Cases and Panel Discussion
Kim De La Cruz BS CCP, Vadim Gudzenko MD, William M. Hiesinger MD, Linda B. Mongero BS CCP, and Amit A. Pawale MD

9:45 – 10:00 Break
GARDEN TERRACE / FOURTH FLOOR

10:00 – 11:30 ECMO: THE NEXT LEVEL *
SAN DIEGO BALLROOM / FOURTH FLOOR
Moderator: Alfred H. Stammers MSA CCP

10:00 Anticoagulation for ECMO
Amit A. Pawale MD FRCS

10:20 ECMO Cannulation Strategies
Linda B. Mongero BS CCP

10:40 ICU Care of the ECMO Patient
Vadim Gudzenko MD

11:00 Challenging Cases and Panel Discussion
Kim De La Cruz BS CCP, Vadim Gudzenko MD, William M. Hiesinger MD, Linda B. Mongero BS CCP, Amit A. Pawale MD, and Alfred H. Stammers MSA CCP

11:30 – 12:30 Meet & Greet Luncheon
GARDEN TERRACE / FOURTH FLOOR

Join us to meet new cardiac-surgery healthcare professionals and first-time CREF attendees! Lunch sponsored by CREF.

12:30 – 1:30 ECMO: PATIENT SELECTION & ETHICAL CONCERNS *
SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Amit A. Pawale MD FRCS

12:30 Clinical and Ethical Considerations of ECMO
William M. Hiesinger MD

12:50 Patient Selection: A Critical-Care Perspective
Vadim Gudzenko MD

1:10 Challenging Cases and Panel Discussion
Kim De La Cruz BS CCP, Vadim Gudzenko MD, William M. Hiesinger MD, Linda B. Mongero BS CCP, Amit A. Pawale MD, and Alfred H. Stammers MSA CCP

1:30 – 3:00 ABSTRACT PRESENTATIONS *
SAN DIEGO BALLROOM / FOURTH FLOOR

Moderators: William M. Hiesinger MD and Linda B. Mongero BS CCP

1:30 Full Flow at 20,000 Feet
E. Daniel Whitehead MHS CCP

1:40 Hypotension with the Use of Leukocyte Depleting Filters
Helen W. Scarrott BSC(Hons)

1:50 Location, Location, Location—Physical Location in the Hospital for ECMO Cannulation Affects Patient Survival to Discharge
Andrew P. Rabenstein MD

2:00 Standard Cardioplegic Solution
Alexander Melerzanov MD PhD

2:10 Aortic Dissection and the Alternation of Biometeorologic Parameters: A New Method to Forecast Sparse Events
Márton Berczeli MD

2:20 Do High-Dose Statins Have a Cardioprotective Effect on Patients Undergoing Valvular Heart Surgery?
Surendra Kumar Agarwal MCh

2:30 Surgical Repair of Perimembranous Ventricular Septal Defect and Aortic Regurgitation in AN Adult Patient with “LAUBRY-PEZZI Syndrome”: A Case Report
Riache Abir MD

** CME credit available for this session*

CONFERENCE AGENDA – THURSDAY & FRIDAY

THURSDAY – CONTINUED

2:45 – 3:00 **Break**
GARDEN TERRACE / FOURTH FLOOR

3:00 – 4:30 **ATTENDEE CHOICE: HANDS-ON, INTERACTIVE EDUCATION**

3:00 – 4:30 Biomed Simulation Hands-On ECMO Workshop
PLAZA ROOM / SECOND FLOOR

3:00 – 4:30 Hands-On ECLS Workshop
PLAZA ROOM / SECOND FLOOR

3:15 – 4:30 Fireside Chat: ECMO 1 (0 – 3 Years of Experience) *
LA JOLLA / FIRST FLOOR

Moderators: Linda B. Mongero BS CCP and Amit A. Pawale MD

3:15 – 4:30 Fireside Chat: ECMO 2 (4+ Years of Experience)*
DEL MAR / FIRST FLOOR

Moderators: Vadim Gudzenko MD & William M. Hiesinger MD

4:30 – 5:30 **ECMO: THE PATIENT'S PERSPECTIVE ***

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderators: Kim De La Cruz BS CCP and Vadim Gudzenko MD

4:30 My ECMO Story
Patients #1 and #2

4:45 The HCP's Perspective
Kim De La Cruz BS CCP

5:00 Panel Discussion
Joanna Chikwe MD, Kim De La Cruz BS CCP, Vadim Gudzenko MD, William M. Hiesinger MD, Linda B. Mongero BS CCP, and Amit A. Pawale MD

5:30 – 7:00 **Welcome Reception in Exhibit Hall**

CALIFORNIA BALLROOM / SECOND FLOOR

Enjoy light hors d'oeuvres and drinks, connect with colleagues and vendors, and see some of the hottest new products on the market.

FRIDAY – SEPTEMBER 7

6:30 AM **Registration & Sign-In**
CALIFORNIA FOYER / SECOND FLOOR

6:45 – 8:00 **Terumo Breakfast Product Theater**

PLAZA ROOM / SECOND FLOOR

Engineering the Next-Generation Oxygenators to Deliver Powerful Performance
Benjamin Komorowski CCP Emeritus

7:30 – 8:00 **Continental Breakfast**

GARDEN TERRACE / FOURTH FLOOR

8:00 – 12:00 **ECLS WORKSHOPS**

8:00 – 12:00 Biomed Simulation Hands-On ECMO Workshop
SIERRA A + B / SECOND FLOOR

8:00 – 12:00 Hands-On ECLS Workshop
SIERRA A + B / SECOND FLOOR

8:00 – 9:30 **BLOOD: I ***

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Alfred H. Stammers MSA CCP

8:00 Indications for Plasma Transfusion
Lawrence Tim Goodnough MD

8:20 The STS / SCA / AmSECT Anticoagulation Clinical Practice Guidelines
David C. Fitzgerald MPH CCP LP

8:40 Leveraging Clinical Data and Benchmarking to Improve Cardiovascular Perfusion Practices
Donald S. Likosky PhD

9:00 Challenging Cases and Panel Discussion
David C. Fitzgerald MPH CCP LP, Lawrence Tim Goodnough MD, Donald S. Likosky PhD, and Alfred H. Stammers MSA CCP

9:30 – 10:30 **Break and Exhibits**

CALIFORNIA BALLROOM / SECOND FLOOR

9:30 – 10:30 **POSTER ABSTRACT PRESENTATIONS**

CALIFORNIA BALLROOM / SECOND FLOOR

Surgical Repair of Perimembranous Ventricular Septal Defect and Aortic Regurgitation in An Adult Patient with "LAUBRY-PEZZI Syndrome": A Case Report
Riache Abir MD

Aortic Dissection and the Alternation of Biometeorologic Parameters: A New Method to Forecast Sparse Events
Márton Berczeli MD

ECMO In Postcardiotomy Pediatric Patients: Do Biventricular Hearts Show Better Outcomes?
Ahmed F. Elmahrouk MD

Standard Cardioplegic Solution
Alexander Melerzanov MD PhD

Location, Location, Location—Physical Location in the Hospital for ECMO Cannulation Affects Patient Survival to Discharge
Andrew P. Rabenstein MD

* CME credit available for this session

CONFERENCE AGENDA – FRIDAY & SATURDAY

FRIDAY – CONTINUED

10:30 – 12:00 BLOOD: II *

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Robert S. Kramer MD

10:30 KEYNOTE: The TRICS III Trial: Lessons Learned and Future Opportunities

C. David Mazer MD FRCPC

11:10 Patient Blood Management: RBC Transfusion

Lawrence Tim Goodnough MD

11:30 Challenging Cases and Panel Discussion

Lawrence Tim Goodnough MD, Robert S. Kramer MD, and C. David Mazer MD FRCPC

12:00 – 1:30 Medtronic Lunch Product Theater

PLAZA ROOM / SECOND FLOOR

Watch, Listen, Build, Test, Improve, Repeat! How Human Factors Science Is Integral to Product Development

Paul E. Cassidy PhD

1:30 – 2:45 BLOOD: III

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Lawrence Tim Goodnough MD

1:30 Update on Blood Conservation in Cardiac Surgery

C. David Mazer MD FRCPC

1:50 Comparative Evaluation of Blood-Salvage Techniques in Patients Undergoing Cardiac Surgery with Cardiopulmonary Bypass

Serdar Gunaydin MD PhD

2:10 Collaborative Quality Improvement Reduces Post-Operative Pneumonia Following Isolated Coronary Artery Bypass Grafting Surgery

Donald S. Likosky PhD

2:30 Panel Discussion

Lawrence Tim Goodnough MD, Serdar Gunaydin MD PhD, Donald S. Likosky PhD, & C. David Mazer MD FRCPC

2:45 – 3:45 Break and Exhibits

CALIFORNIA BALLROOM / SECOND FLOOR

3:30 – 7:30 ATTENDEE CHOICE: HANDS-ON, INTERACTIVE EDUCATION

3:30 – 5:30 Medtronic Autotransfusion Workshop

SIERRA A + B / SECOND FLOOR

3:30 – 5:30 LivaNova TandemLife ECLS Workshop

PLAZA ROOM / SECOND FLOOR

5:30 – 6:30 Ask Me Anything (AMA) Discussions*

GARDEN TERRACE / FOURTH FLOOR

Sponsored by LivaNova

Join us on the patio for light hors d'oeuvres, beverages, and no-host cocktails to engage in informal "Ask Me Anything" discussions with CREF faculty experts: Joanna Chikwe, David C. Fitzgerald, Lawrence Tim Goodnough, Serdar Gunaydin, Robert S. Kramer, C. David Mazer, Linda B. Mongero, and Alfred H. Stammers

6:00 – 7:30 Spectrum Medical Quantum Perfusion Safety System Hands-On Workshop

PLAZA ROOM / SECOND FLOOR

SATURDAY – SEPTEMBER 8

6:30 AM Registration & Sign-In

CALIFORNIA FOYER / SECOND FLOOR

7:00 – 8:00 Breakfast and Exhibits

CALIFORNIA BALLROOM / SECOND FLOOR

8:00 – 10:00 SAFETY AND QUALITY IMPROVEMENT: I *

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Robert S. Kramer MD

8:00 Presentation of the Medtronic 19th Annual Utley Award

Tamara Bratland

8:05 Quality Improvement: Owning the Process

Robert S. Kramer MD

8:25 Identifying Workflow Disruptions in the Cardiovascular Operating Room

Tara Cohen PhD

8:45 The "Just Culture" Approach to Perfusion Quality and Safety

David C. Fitzgerald MPH CCP LP

9:05 Databases Are Indispensable for Quality Assurance in Surgery

Tirone E. David MD FRCS

9:30 Challenging Cases and Panel Discussion

Tara Cohen PhD, Tirone E. David MD FRCS, David C. Fitzgerald MPH CCP LP, and Robert S. Kramer MD

10:00 – 10:30 Break and Exhibits

CALIFORNIA BALLROOM / SECOND FLOOR

10:30 – 12:00 SAFETY AND QUALITY IMPROVEMENT: II *

SAN DIEGO BALLROOM / FOURTH FLOOR

Moderator: Robert S. Kramer MD

10:30 KEYNOTE: Heart Valve Surgery: Where We Need to Improve

Tirone E. David MD FRCS

* CME credit available for this session

CONFERENCE AGENDA – SATURDAY & SUNDAY

SATURDAY – CONTINUED

- 11:10 Outliers: Strategies That Turned Failures into Great Teams with Great Outcomes
Joanna Chikwe MD
- 11:30 Debate and Discussion
- 12:00 – 1:00 **Lunch Break (on Your Own)**
- 1:00 **Exhibits Close**
-
- 1:00 – 2:45 **SAFETY AND QUALITY IMPROVEMENT III ***
SAN DIEGO BALLROOM / FOURTH FLOOR
Moderator: David C. Fitzgerald MPH CCP LP
- 1:00 Why Guidelines Rarely Penetrate the Barriers of Clinical Practice
Alfred H. Stammers MSA CCP
- 1:20 Using a Human-Factors Framework to Investigate Near-Miss Events During Surgery
Tara Cohen PhD
- 1:40 Fear and Loathing in the Operating Room: (Sexual) Harassment and Other Big Little Lies
Joyce A. Wahr MD FAHA
- 2:10 Panel Discussion
Joanna Chikwe MD, Tara Cohen PhD, Robert S. Kramer MD, Alfred H. Stammers MSA CCP, and Joyce A. Wahr MD
- 2:45 – 3:00 **Break**
GARDEN TERRACE / FOURTH FLOOR
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- 3:00 – 7:00 **ATTENDEE CHOICE: HANDS-ON EDUCATION**
- 3:00 – 6:00 CAPS WORKSHOP
Simple One-Button Syringe Pump to Deliver Microplegia Utilizing Adenocaine Technology
SIERRA A / SECOND FLOOR
- 3:00 – 7:00 EIGHT MEDICAL WORKSHOP
Intraperitoneal and Intrathoracic Hyperthermia
SIERRA B / SECOND FLOOR
- 3:00 – 4:30 Fireside Chat *
DEL MAR / FIRST FLOOR
Moderators: Tara Cohen PhD and Joyce A. Wahr MD
- 4:30 – 5:45 Fireside Chat *
DEL MAR / FIRST FLOOR
Moderators: David C. Fitzgerald MPH CCP LP and Alfred H. Stammers MSA CCP
- 5:45 – 7:00 Ask Me Anything (AMA) Discussions*
GARDEN TERRACE / FOURTH FLOOR
Sponsored by LivaNova
- Join us on the patio for light hors d'oeuvres, beverages, and no-host cocktails to engage in informal "Ask Me Anything" roundtable discussions with CREF faculty experts: Joanna Chikwe, Tara Cohen, Tirone David, Kim De La Cruz, Serdar Gunaydin, Robert S. Kramer, Alfred H. Stammers, and Joyce Wahr*

SUNDAY – SEPTEMBER 9

- 6:00 – 8:00 AM **5K/10K Fun-Run**
LOBBY / FIRST FLOOR
- 6:30 **Registration & Sign-In**
SAN DIEGO FOYER / FOURTH FLOOR
- 6:30 – 8:00 Continental Breakfast
GARDEN TERRACE / FOURTH FLOOR
-
- 8:00 – 9:45 **ORGAN, CEREBRAL, & MYOCARDIAL PROTECTION ***
SAN DIEGO BALLROOM / FOURTH FLOOR
Moderator: Alfred H. Stammers MSA CCP
- 8:00 Cerebral Protection During Cardiac Surgery: An Update
Serdar Gunaydin MD PhD
- 8:20 Cardioplegia: Science, Practice, and Fairy-Tales
Joanna Chikwe MD
- 8:40 Variation Reduction in Clinical Perfusion: Is It Possible and Is It Even Necessary?
Alfred H. Stammers MSA CCP
- 9:00 Cardiac Surgery Associated Acute Kidney Injury: Old News and New News
Robert S. Kramer MD
- 9:20 Challenging Cases and Panel Discussion
Joanna Chikwe MD, Serdar Gunaydin MD PhD, Robert S. Kramer MD, and Alfred H. Stammers MSA CCP
- 9:45 – 10:00 **Break and Prize Drawing**
GARDEN TERRACE / FOURTH FLOOR
-
- 10:00 – 12:00 **CHALLENGING CASES & NEAR MISSES**
SAN DIEGO BALLROOM / FOURTH FLOOR
Moderators: Robert S. Kramer MD and Alfred H. Stammers MSA CCP
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- 12:00 – 2:00 **EMPLOYMENT WORKSHOP**
Preregistration Required
LOCATION TBA
- 12:00 Five Important Elements of an Effective Résumé
Susan W. Westwood MA
- 12:20 Essential Interview Skills for Healthcare Professionals
Alfred H. Stammers MSA CCP
- 12:40 How to Negotiate
Robert S. Kramer MD
- 1:00 – 1:45 Discussion and Feedback
- 1:45 **Meeting Adjourns**

* CME credit available for this session



CONFERENCE & HOTEL REGISTRATION

HOW TO REGISTER

Safely and conveniently register for CREF online:

- Step 1: Visit www.crefmeeting.com and select **Registration** from the main menu.
- Step 2: Click **Register Now**, which will take you to the CREF 2018 RegFox portal.
- Step 3: Follow instructions, and then pay by American Express, MasterCard, Visa, or check.
- Step 4: Complete your registration. You will receive your confirmation by email.

REGISTRATION FEES

REGISTRATION CATEGORY	THROUGH AUGUST 21	AFTER AUGUST 21
Nurses, Perfusionists, and Physician Assistants	\$449	\$499
Physicians and Industry Professionals	\$549	\$599
Residents & Students (w/ status verification)	\$149	\$199
Guests*	\$50	\$50

Note: Only one discount per registration. Discounts may not be combined.

GROUP DISCOUNT

If three or more colleagues from the same hospital or medical center register together, on the same transaction, each receives a 10% discount to attend CREF.

ABSTRACT PRESENTERS

All abstract presenters receive 50% off their conference registration.

GUESTS*

Guest registration is available *only* for an individual who accompanies a full-conference attendee with a legitimate professional interest in the course content. The guest's registration fee is applied to that person's food or beverage costs, permitting him or her to attend CREF-sponsored social functions, meals, or coffee breaks.

Because of AdvaMed, ACCME, MedTech Europe, and Sunshine Act regulations, guest registration may not include:

- Participation in medical education designed for healthcare professionals (HCPs)
- Certification of continuing-education credit (CME or CEU)
- Attendance at industry-sponsored gatherings

REFUND INFORMATION

Refunds (less \$100 administrative fee) for conference registration for the 38th Annual Cardiothoracic Surgery Symposium will be made only if written (emailed) notice is received on or before August 8, 2018. No refunds will be given after that date. When you register for CREF 2018, you agree to abide by the terms and conditions imposed with respect to your conference registration.

HOTEL RESERVATIONS

The Westin San Diego Gaslamp Quarter serves as the official CREF 2018 hotel. Our discounted room rate of \$209 is good **through August 21, 2018.**

Ideally located in the heart of downtown San Diego's historic, vibrant Gaslamp Quarter, the Westin Gaslamp offers an unparalleled San Diego experience within walking distance of the best of the Gaslamp Quarter: premier shopping, dining, entertainment, and cultural activities.

The Westin San Diego Gaslamp Quarter's striking bay and cityscape views provide a dramatic, awe-inspiring natural backdrop to your San Diego experience. The hotel's 450 guest rooms and suites, all recently re-modeled to inspire a sense of serenity and balance, offer a sanctuary of soothing color palettes, natural wood and stone accents, and sophisticated, contemporary decor.

Enjoy the features the Westin has become known for worldwide: Heavenly Bed®, flat-screen TV, and spa-inspired bath amenities. Leave your CREF hotel feeling rested, energized, and renewed.

To reserve your room, **visit this link**, or call the hotel directly at (619) 239-2200. Remember to mention CREF!



CREF 2018

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