

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**
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- 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
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- 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
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- 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