

42nd Annual Cardiothoracic Surgery Symposium

SCIENTIFIC PROGRAM – September 6, 2023

WEDNESDAY – SEPTEMBER 13

7:30 AM Registration Opens

8:30 – 9:30 HANDS-ON WORKSHOPS

Abbott Workshop: The Case for Simple and Efficient Initiation of Acute MCS Support
MISSION HILLS

Biomed Simulation "Escape Room"
CARDIFF

Medtronic Workshop: Experience Transformative Innovation in ECMO, Cannula, and Autotransfusion
MIRAMAR

9:30 – 10:30 HANDS-ON WORKSHOPS

Abbott Workshop: The Case for Simple and Efficient Initiation of Acute MCS Support
MISSION HILLS

Biomed Simulation "Escape Room"
CARDIFF

Medtronic Workshop: Experience Transformative Innovation in ECMO, Cannula, and Autotransfusion
MIRAMAR

10:30 – 11:00 Break and Attendee Mixer

MARINA FOYER

Facilitator: Alfred H. Stammers MSA CCP Emeritus

11:00 – 12:00 HANDS-ON WORKSHOPS

Abbott Workshop: The Case for Simple and Efficient Initiation of Acute MCS Support
MISSION HILLS

Biomed Simulation "Escape Room"
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Medtronic Workshop: Experience Transformative Innovation in ECMO, Cannula, and Autotransfusion
MIRAMAR

11:45 – 12:00 ORAL ABSTRACT PRESENTATION

The following presenter competes for the 23rd Annual Utley Award

11:45 Coronary Artery Bypass Graft: Patient Factors Affecting Surgical Outcomes
Raj Bhatt BS

12:00 – 1:30 Mueller Asset Strategies Lunch Product Theater

MARINA BALLROOM DE

How to Avoid the 9 Money Mistakes Healthcare Professionals Make

Alison Mueller BSc

1:30 – 1:45 WELCOME & INTRODUCTION

MARINA BALLROOM DE

C. David Mazer MD FRCPC and Alfred H. Stammers MSA CCP Emeritus

1:45 – 3:30 SWAIN SCHOLARSHIP & ORAL ABSTRACT PRESENTATIONS

MARINA BALLROOM DE

Live Moderator: C. David Mazer MD FRCPC

Virtual Moderator: Alfred H. Stammers MSA CCP Emeritus

Swain Scholarship Presentation

1:45 Predicting Right Ventricular Failure After Left Ventricular Assist Device Implantation and Analyzing Planned Vs. Unplanned Biventricular Support
Brianna L. Burns BS EMT-B

Abstract Presentations

The following presenters compete for the 23rd Annual Utley Award

2:00 The Influence of Cardiopulmonary Bypass Residual Volume Processing Technique on Blood Management in Cardiac Surgical Patients
Jennifer Baeza MS CCP

2:15 Circuit Modifications for Unique Bypass Cases
Randi Lackritz BS CCP

2:30 Key Barriers to Meeting Guidelines for Timing of Administration of ASA after CABG: A Quality Improvement Project
Dileas SM MacGowan

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2:45 Gaseous Microemboli Lead to Platelet Activation During Cardiopulmonary Bypass
Mitchell Rentschler BA

3:00 Making Cents of Dollars: Perfusion Pay Trends
Brent Thye CCP

3:15 Work of the Heart Institute During Martial State
Borys Todurov MD PhD

2:15 – 3:15 HANDS-ON WORKSHOPS

Abiomed Workshop: Treating Cardiogenic Shock in the Setting of High-Risk Surgery or VA ECMO
MISSION HILLS

HemoSonics PBM Wet Workshop: POC Assessment and Restoration of Hemostasis
CARDIFF

Terumo Workshop: The Evolution and Advancement of Continuous In-line Blood Parameter Monitoring Technology
MIRAMAR

3:15 – 4:00 Break
MARINA FOYER

3:30 – 4:30 HANDS-ON WORKSHOPS

Abiomed Workshop: Treating Cardiogenic Shock in the setting of High-Risk Surgery or VA ECMO
MISSION HILLS

HemoSonics PBM Wet Workshop: POC Assessment and Restoration of Hemostasis
CARDIFF

Terumo Workshop: The Evolution and Advancement of Continuous In-line Blood Parameter Monitoring Technology
MIRAMAR

4:30 – 5:30 HANDS-ON WORKSHOPS

Abiomed Workshop: Treating Cardiogenic Shock in the setting of High-Risk Surgery or VA ECMO
MISSION HILLS

HemoSonics PBM Wet Workshop: POC Assessment and Restoration of Hemostasis
CARDIFF

Terumo Workshop: The Evolution and Advancement of Continuous In-line Blood Parameter Monitoring Technology
MIRAMAR

4:00 – 5:30 NEW FRONTIERS IN EXTRACORPOREAL LIFE SUPPORT: 1

MARINA BALLROOM DE

Live Moderator: Robert S. Kramer MD FACS
Virtual Moderator: C. David Mazer MD FRCPC

4:00 Pediatric ECPR: Decision-Making, Candidacy, and Optimizing Approaches
Myke Federman MD

4:20 Q & A

4:25 Complications of Temporary Mechanical Support
Dominic A. Emerson MD

4:45 Q & A

4:50 Recent Advances in ECPR
Tyler M. Gunn MD

5:10 Q & A

5:15 Challenging Cases: What We Did; What We Could Have Done
Emerson, Federman, Gunn

5:30 - 7:00 Welcome Reception & Exhibits
MARINA BALLROOM FG

Drinks sponsored by Haemonetics

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THURSDAY – SEPTEMBER 14

6:30 Registration Opens
MARINA REGISTRATION DESK

7:00 – 8:00 Breakfast & Exhibits
MARINA BALLROOM FG

8:00 – 9:45 NEW FRONTIERS IN EXTRACORPOREAL LIFE SUPPORT: 2

MARINA BALLROOM DE

*Live Moderator: Alfred H. Stammers MSA CCP Emeritus
Virtual Moderator: C. David Mazer MD FRCPC*

8:00 Current Practices in ECMO Anticoagulation and Potential Novel Approaches in the Future
Myke Federman MD

8:20 Q & A

8:25 Advanced ECMO Configurations
Tyler M. Gunn MD

8:45 Q & A

8:50 Perfusion Challenges for Minimally Invasive Procedures, Including Robotic Surgery
Dominic A. Emerson MD

9:10 Q & A

9:15 Challenging Cases: What We Did; What We Could Have Done
Emerson, Federman, Gunn

9:45 - 10:30 Break & Exhibits
MARINA BALLROOM FG

9:45 – 10:30 POSTER ABSTRACT PRESENTATIONS

MARINA FOYER

Moderator: Alfred H. Stammers MSA CCP Emeritus

The Effect of EPELLA in Terms of Ejection Fraction in Addition to In-Hospital and Long-Term Mortality
Kamil Brzozowski & Sean Jameson

Impact of Acute Kidney Injury on Early to Long-Term Outcomes in Patients Who Underwent Surgery for Type A Aortic Dissection
Nitjapithatsa Chutijirathitigal MD

Transcatheter Aortic Valve Replacement: Which Patient Risk Factors Impact Mortality Following Surgery?
Christian Fang BS

Refractory Hypoxia on Veno-Venous Extracorporeal Membrane Oxygenation
Lawrence Nair MBBS

Critical Pulmonary Arterial Hypertension Necessitating Bilateral Lung Transplantation
Lawrence Nair MBBS

Do Cardiovascular Procedures Result in Breast Arterial Calcification Proliferation: A Review of the Literature
Shivangi Parmar

TransMedics Organ Care System with Continuous Warm Blood Perfusion in the Pediatric Heart Transplantation Patient – a Novel Approach
Samantha Rhymer BS MD CCP

The Interest, Feasibility and the Surgical Technique of Segmentectomy by Robot-Assisted Surgery in the Case of Pulmonary Sequestration
Amin Serradj MD PhD

Biomarker Expression as an Indication of Platelet Activation during Cardiopulmonary Bypass
Zeyu Song

Pay Transparency in Perfusion: Gaining Perspective
Brent Thye CCP

Emergency Surgical Coronary Revascularization in Patients with Acute Myocardial Infarction
Borys Todurov MD PhD

10:30 – 12:00 PERFUSION PRACTICE: WHERE WE'VE BEEN & WHERE WE'RE GOING

MARINA BALLROOM DE

*Live Moderator: Alfred H. Stammers MSA CCP Emeritus
Virtual Moderator: Robert S. Kramer MD FACS*

10:30 Milestones in Cardiopulmonary Bypass: How Far We Have Come in 70 Years Since Gibbon
Alfred H. Stammers MSA CCP Emeritus

10:50 Q & A

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10:55 Next-Generation Heart-Lung
Machines: What's Really New?
George Justison CCP

11:15 Q & A

11:20 **Keynote: The Changing Science of Perfusion**
Robert C. Groom MS CCP

11:50 Q & A

12:00 – 1:00 **Lunch & Exhibits**
MARINA BALLROOM FG

1:00 – 3:00 THE CONTINUED EVOLUTION OF BLOOD- MANAGEMENT TECHNIQUES: 1

MARINA BALLROOM DE

Live Moderator: Robert S. Kramer MD FACS
Virtual Moderator: C. David Mazer MD FRCP

1:00 Anemia vs Transfusion: Which Is Worse?
Jacob Raphael MD

1:20 Q & A

1:25 How to Manage Patients Who Cannot
Receive Blood Products
Kenichi Tanaka MD

1:45 Q & A

1:50 Update on Hemolysis During CPB
Jacob Raphael MD

2:10 Q & A

2:15 Hemoadsorption in Complex Cardiac Surgery
Serdar Gunaydin MD PhD

2:35 Q & A

2:40 Challenging Cases: What We Did; What
We Could Have Done
Gunaydin, Raphael, Tanaka

3:00 – 3:30 **Break & Exhibits**
MARINA BALLROOM FG

3:30 – 4:45 HANDS-ON WORKSHOP & FIRESIDE CHATS

Spectrum Superpac Workshop:
Harnessing Intelligence and Simplicity
MISSION HILLS

Fireside Chat 1: The Ever-Changing
Practice of Perfusion
CARDIFF
Robert C. Groom MS CCP, George Justison CCP

Fireside Chat 2: ECMO Complications,
Staffing, and Perfusion Roles
MIRAMAR
Kim De La Cruz MS CCP, Myke Federman MD

4:45 – 6:00 HANDS-ON WORKSHOPS & FIRESIDE CHATS

Spectrum Superpac Workshop:
Harnessing Intelligence and Simplicity
MISSION HILLS

Fireside Chat 3: Blood Management
CARDIFF
*Serdar Gunaydin MD PhD, Jacob Raphael MD, and
Kenichi Tanaka MD*

Fireside Chat 4: Attendee Choice
MIRAMAR
*Richard F. Newland BS CCP(Aust) and
Alfred H. Stammers MSA CCP Emeritus*

6:00 - 8:00 **LivaNova Evening Product Theater**
MARINA BALLROOM DE

Patient-Tailored Care with the Essenz
Perfusion System
Marloes van Hoeven CCP

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FRIDAY – SEPTEMBER 15

6:00 Registration Opens
MARINA REGISTRATION DESK

6:30 - 8:00 Grifols Breakfast Product Theater
MARINA BALLROOM DE

Hereditary Antithrombin Deficiency and Venous Thromboembolism Risk: Are You Asking the Right Questions?
Gregory Mork FPP BA CCP LP

8:15 – 10:00 SAFETY & QUALITY IMPROVEMENT

MARINA BALLROOM DE

Live Moderator: C. David Mazer MD FRCPC
Virtual Moderator: Alfred H. Stammers MSA CCP Emeritus

8:15 Best Practices in Perfusion & Quality Analytics
George Justison CCP

8:35 Q & A

8:40 Multidisciplinary Team for Value-Based Cardiac Surgery
Serdar Gunaydin MD PhD

9:00 Q & A

9:05 The Relationship Between CPB Parameters and Outcomes: A Registry Perspective
Richard F. Newland BS CCP(Aust)

9:25 Q & A

9:30 Newly Updated 2023 Standards and Guidelines: See What's Changed
Amanda Crosby MPS MS CCP

9:50 Q & A

10:00 – 10:30 Break & Exhibits

11:00 Exhibits Close

10:30 – 12:30 THE CONTINUED EVOLUTION OF BLOOD-MANAGEMENT TECHNIQUES: 2

MARINA BALLROOM DE

Live Moderator: Robert S. Kramer MD FACS
Virtual Moderator: C. David Mazer MD FRCPC

10:30 Ultrafiltration Panel Discussion
Crosby, Kramer, Mazer, Newland, Spence, Stammers

11:00 Hydration Fluids: What's Best for Your Patients?
C. David Mazer MD FRCPC

11:20 Q & A

11:25 Retrograde Autologous Priming
Jessica Spence MD PhD

11:45 Q & A

11:50 Keynote: Evolution of Patient Blood Management in Cardiac Surgery: From Death of Aprotinin to Dawn of Cold-Stored Platelets
Kenichi Tanaka MD

12:20 Q & A

12:30 – 2:00 Medtronic Lunch Product Theater

MARINA BALLROOM DE

Changing the Shape of ECMO Oxygenation
Martha McBride MSN CRNP and Natasha Crain BSN RN CCRN CES-A

2:15 – 3:45 HUMAN-CENTERED PRACTICE

MARINA BALLROOM DE

Live Moderator: C. David Mazer MD FRCPC
Virtual Moderator: Alfred H. Stammers MSA CCP Emeritus

2:15 Work-Life Integration: Being Deliberate with Your Time
Amanda Crosby MPS MS CCP

2:35 Q & A

2:40 Culture in the Operating Room: Observations and Insights from a Travel Perfusionist
Summer Pizzuti MBA CCP LP

3:00 Q & A

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3:05 Serving
Robert C. Groom MS CCP

3:25 Q & A

3:30 Panel Discussion
Crosby, De La Cruz, Groom, Pizzuti

3:45 – 4:00 Break
MARINA FOYER

4:00 – 5:00 FIRESIDE CHATS

Fireside Chat 1: Human-Centered Practice
MARINA BALLROOM DE
Amanda Crosby MPS MS CCP, Robert C. Groom MS CCP, Summer Pizzuti MBA CCP LP

Fireside Chat 2: Attendee Choice
MISSION HILLS
Kim De La Cruz MS CCP, Serdar Gunaydin MD PhD, Kenichi Tanaka MD

5:00 – 6:00 FIRESIDE CHATS

Fireside Chat 3: Safety & Quality Improvement
MARINA BALLROOM DE
Robert C. Groom MS CCP, George Justison CCP, Richard F. Newland BS CCP(Aust)

Fireside Chat 4: Attendee Choice
MISSION HILLS
Robert S. Kramer MD, Alfred H. Stammers MSA CCP Emeritus

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SATURDAY – SEPTEMBER 16

6:30 Registration Opens
MARINA REGISTRATION DESK

6:30 – 8:00 HemoSonics Breakfast Product Theater
MARINA BALLROOM DE

Initial Experience with a Novel
Hemostasis Management System in
Cardiac Surgery
Asad A. Shah MD

8:15 – 10:30 ADVANCES IN CARDIAC SURGERY

MARINA BALLROOM DE

Live Moderator: Alfred H. Stammers MSA CCP Emeritus
Virtual Moderator: Jessica Spence MD PhD

8:15 Presentation of 23rd Utley Award
Alfred H. Stammers MSA CCP Emeritus

8:30 Keynote: Mitral Repair: The New
Interface Between Surgery and
Transcatheter Therapy
Joanna Chikwe MD FACS

9:00 Q & A

9:10 Does Artificial Intelligence Have a Role in CPB?
Richard F. Newland BS CCP(Aust)

9:30 Q & A

9:35 HEART: Healthcare Enabled by Artificial
Intelligence in Real Time
Robert S. Kramer MD FACS

9:55 Q & A

10:00 Panel Discussion
Chikwe, Kramer, Newland, Stammers

10:30 - 10:45 Break & Prize Drawing
MARINA FOYER

10:45 – 12:30 OPTIMIZING ORGAN PROTECTION DURING CARDIAC SURGERY

MARINA BALLROOM DE

Live Moderator: Alfred H. Stammers MSA CCP Emeritus
Virtual Moderator: Robert S. Kramer MD FACS

10:45 Updated AKI Guidelines
Amanda A. Fox MD MPH

11:05 Q & A

11:10 Optimal Temperature Management for
CPB
Jessica Spence MD PhD

11:30 Q & A

11:35 Important Biomarkers for the Cardiac
Surgical Patient
Amanda A. Fox MD MPH

11:55 Q & A

12:00 Challenging Cases: What We Did; What
We Could Have Done
Fox, Spence, Stammers

12:30– 1:30 Lunch Break (On Your Own)

1:30 – 3:30 WELLNESS FOR HEALTHCARE PROVIDERS: PRIORITIZING OUR OWN HEALTH AND WEALTH

MARINA BALLROOM DE

Live Moderator: Robert S. Kramer MD FACS
Virtual Moderator: C. David Mazer MD FRCP

1:30 Personal Vitality: How to Avoid Burnout
and Replenish your Energy
Phyllis Mabbett RN PhD

2:15 Discussion & Workshop

2:30 Fiscal Fitness: 5 Things You Need to Know
for Retirement
Alison Mueller BSc

3:15 Discussion & Workshop

3:30 Meeting Adjourns