

42nd Annual Cardiothoracic Surgery Symposium

VIRTUAL SCIENTIFIC PROGRAM – September 10, 2023

WEDNESDAY – SEPTEMBER 13

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

- 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

3:15 – 4:00 Break

MARINA FOYER

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 Virtual Meeting Adjourns

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THURSDAY – SEPTEMBER 14

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 - 10:00 Break

10:00 – 10:30 STUDENT PRESENTATIONS

Virtual Moderator: C. David Mazer MD FRCPC

10:00 Biomarker Expression as an Indication of Platelet Activation during Cardiopulmonary Bypass
Zeyu Song

10:15 The Effect of ECPELLA in Terms of Ejection Fraction in Addition to In-Hospital and Long-Term Mortality
Kamil Brzozowski & Sean Jameson

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

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 – 12:30 Lunch Break

12:30 – 1:00 LUNCH PRESENTATION

Virtual Moderator: Robert S. Kramer MD FACS

12:30 Life Lessons Learned as a Locum Perfusionist
Summer Pizzuti CCP MBA

12:50 Q & A

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 FRCPC*

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

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3:30 – 4:45 ZOOM BREAKOUT FIRESIDE CHAT

Fireside Chat 1: The Ever-Changing
Practice of Perfusion

Alfred H. Stammers MSA CCP Emeritus

4:45 – 6:00 ZOOM BREAKOUT FIRESIDE CHAT

Fireside Chat 2: Attendee Choice

Robert S. Kramer MD FACS

6:00 - 8:00 LivaNova Evening Product Theater

MARINA BALLROOM DE

Patient-Tailored Care with the Essenz
Perfusion System

Marloes van Hoeven CCP

8:00 Virtual Meeting Adjourns

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FRIDAY – SEPTEMBER 15

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**

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

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**

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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*

5:00 – 6:00 FIRESIDE CHATS

Fireside Chat 2: Safety & Quality

Improvement

MARINA BALLROOM DE

*Robert C. Groom MS CCP, George Justison CCP,
Richard F. Newland BS CCP(Aust)*

6:00 [Virtual Meeting Adjourns](#)

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SATURDAY – SEPTEMBER 16

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

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 FRCPC

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