STS Symposium: Mechanical Circulatory Support for Advanced Cardiopulmonary Disease

September 20-21, 2013
Renaissance O'Hare Chicago

Course Directors
Margarita T. Camacho, MD
Charles W. Hoopes, MD
Robert L. Kormos, MD
Francis D. Pagani, MD

Day 1
Friday, September 20

7:00 a.m. – 7:30 a.m.  BREAKFAST

7:30 a.m. – 9:45 a.m.  Session I: Temporary MCS

7:30 a.m. – 7:45 a.m.  Welcome and Introductions
Margarita T. Camacho, Newark, NJ

7:45 a.m. – 8:15 a.m.  Treatment of Cardiogenic Shock: Perspectives on What Works
Atman Shah, Chicago, IL

8:15 a.m. – 8:35 a.m.  Devices for Temporary MCS: New Paradigms for the Crash-and-Burn Patient
Ranjit John, Minneapolis, MN

8:35 a.m. – 8:55 a.m.  Veno-Arterial ECLS for Cardiogenic Shock
Charles W. Hoopes, Lexington, KY

8:55 a.m. – 9:15 a.m.  Triaging Patients on Short-Term MCS: Bridge to Bridge, Bridge to Recovery, Bridge to Transfer – When and Whom
Jonathan W. Haft, Ann Arbor, MI

9:15 a.m. – 9:45 a.m.  Temporary MCS: Presentation of Challenging Case Studies and Discussion
Discussion Leader: Jonathan W. Haft, Ann Arbor, MI
Panel:
Atman Shah, Chicago, IL
Charles W. Hoopes, Lexington, KY
Ranjit John, Minneapolis, MN

Agenda and speakers are subject to change.
9:45 a.m. – 10:00 a.m.         BREAK
10:00 a.m. – 3:40 p.m.         Session II: Durable MCS

10:00 a.m. – 10:20 a.m.        Durable MCS for the Chronic Heart Failure Patient: Defining the Optimal Candidate and Timing
Joseph G. Rogers, Durham, NC

10:20 a.m. – 10:40 a.m.        Overview of Current Outcomes with Durable MCS
Robert Kormos, Pittsburgh, PA

10:40 a.m. – 11:10 a.m.        Durable MCS Devices for the Chronic Heart Failure Patient: Current and New Technologies
Axial Flow Technology is Best: Val Jeevanandam, Chicago, IL
Centrifugal Flow Technology is Best: Edwin C. McGee, Chicago, IL

11:10 a.m. – 11:30 a.m.        RV Failure Following Durable MCS Device Implant: How to Avoid It, How to Manage It
Ranjit John, Minneapolis, MN

11:30 a.m. – 11:50 a.m.        When to Intervene for Valvular Disease at the Time of MCS Device Implantation
Carmelo A. Milano, Durham, NC

11:50 a.m. – 12:10 p.m.        Perioperative Management of the Patient with a MCS Device
Daniel J. Goldstein, Bronx, NY

12:10 p.m. – 12:40 p.m.        Durable MCS: Review of Challenging Case Presentations and Discussion
Discussion Leader: Margarita T. Camacho, Newark, NJ
Panel:
Robert Kormos, Pittsburgh, PA
Joseph G. Rogers, Durham, NC
Daniel J. Goldstein, Bronx, NY

12:40 p.m. – 1:40 p.m.          LUNCH
Innovation in Heart Failure Therapies: The Role of the Cardiac Surgeon
Patrick M. McCarthy, Chicago, IL

1:40 p.m. – 2:10 p.m.           Creating the Essential Infrastructure and Community Outreach for a MCS Program
Cardiologist’s Perspective: Joseph G. Rogers, Durham, NC
Surgeon’s Perspective: Scott C. Silvestry, St. Louis, MO

2:10 p.m. – 2:30 p.m.           Financial Considerations of a MCS Program
Michael A. Acker, Philadelphia, PA

2:30 p.m. – 2:50 p.m.           Top 10 Insights of MCS Therapy from INTERMACS
Robert L. Kormos, Pittsburgh, PA

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2:50 p.m. – 3:10 p.m. Regulatory Oversight of MCS Therapy: Update on the FDA, CMS, and Joint Commission
Jeffrey B. Rich, Norfolk, VA

3:10 p.m. – 3:40 p.m. Panel Discussion: Dissemination of MCS Therapy: Implications of FDA, CMS, and Joint Commission Decisions
Discussion Leader: Robert L. Kormos, Pittsburgh, PA

Panel:
Jeffrey B. Rich, Norfolk, VA
Michael A. Acker, Philadelphia, PA

3:40 p.m. – 3:55 p.m. BREAK

3:55 p.m. – 6:00 p.m. Session III: ECLS for Advanced Pulmonary Disease

3:55 p.m. – 4:15 p.m. MCS for Pulmonary Support
Christian Bermudez, Pittsburgh, PA

4:15 p.m. – 4:35 p.m. New Applications of ECMO Technology: Portable and Ambulatory Systems
Joseph B. Zwischenberger, Lexington, KY

4:35 p.m. – 4:55 p.m. Creating the Comprehensive Infrastructure for a Successful ECMO Program
Jonathan W. Haft, Ann Arbor, MI

4:55 p.m. – 5:15 p.m. Pulmonary Hypertension: Surgical Considerations and Approaches to Treatment
Matthew D. Bacchetta, New York, NY

5:15 p.m. – 5:45 p.m. ECMO for Pulmonary Support: Presentation of Challenging Cases and Discussion
Discussion Leader: Charles W. Hoopes, Lexington, KY
Panel:
Joseph B. Zwischenberger, Lexington, KY
Jonathan W. Haft, Ann Arbor, MI
Matthew D. Bacchetta, New York, NY

5:45 p.m. – 6:00 p.m. Concluding Remarks
Margarita T. Camacho, Newark, NJ

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Day 2
Saturday, September 21

7:30 a.m. – 8:00 a.m.
BREAKFAST
Goals and Format of the Wet Lab Program
Margarita T. Camacho, Newark, NJ

8:00 a.m. – 10:30 a.m.
Wet Labs

Temporary MCS

Station 1: Percutaneous Devices (30 min)
Technical Considerations for Implantation of Percutaneous Devices
Atman Shah, Chicago, IL
Impella 2.5 and 4.0
Impella 5.0
Tandem Heart pVAD

Station 2: ECLS (30 min)
Technical Considerations of an ECLS Circuit
Charles W. Hoopes, Lexington, KY
CentriMag VAD
Maquet oxygenator
Avalon cannulas
Cardiohelp

Station 3: Postcardiotomy LVAD and RVAD Support (30 min)
Cannulation Strategies and Operation of the CentriMag for
Postcardiotomy Support
Centrimag VAD
Daniel J. Goldstein, Bronx, NY

Long-Term MCS

Station 4: HeartMate II (30 min)
Implant Techniques and Operation of the HeartMate II LVAD
Ranjit John, Minneapolis, MN

Station 5: HeartWare (30 min)
Implant Techniques and Operation of the HeartWare HVAD LVAD
Edwin C. McGee, Chicago, IL

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