

International Society for Heart and Lung Transplantation  
2<sup>nd</sup> Annual Fall Education Meeting

MECHANICAL CARDIAC SUPPORT AND REPLACEMENT: EVOLVING STRATEGIES FOR CONGESTIVE HEART FAILURE

November 5-6, 1999  
Hyatt Regency  
Atlanta, GA USA

## Goals

The goal of this meeting is to review the current status of mechanical circulatory support (MCS) as it pertains to therapy for end-stage cardiac failure.

## Learning Objectives

At the conclusion of this meeting, participants should be able to:

- understand what has been learned about MCS from bridge to transplant trials
- be familiar with the devices available for both bridge to transplantation and long-term MCS and their indications
- understand the applicability of existing technology for chronic use
- identify the areas to be targeted in the future for research with chronic support
- understand the strategies for use of MCS and recovery of diseased myocardium
- be brought up to date on future trials of devices for MCS involving both pulsed and axial flow devices including the total artificial heart

## Educational Objectives

ISHLT is dedicated to providing education for medical professionals involved in heart and lung transplantation. Because of the rapid advances in the technology of MCS systems, cardiac transplant professionals are in need of opportunities to update their knowledge of these advances. This meeting is designed to address this need.

## Target Audience

The audience for this program includes physicians, surgeons, scientists, and nurses engaged in the practice of heart transplantation and/or in the management and treatment of patients with end-stage heart disease.

## Important Information About This Meeting

This meeting is not an official part of the official 72<sup>nd</sup> Scientific Sessions as planned by the AHA Committee on Scientific Sessions Program and you are not required to register for the AHA meeting in order to register for this meeting.

## Hotel Accommodations

ISHLT has not blocked hotel rooms for this meeting. A list of nearby hotels is provided with the registration materials. If you are not attending the AHA meeting, it is important that you reserve a hotel room early, as hotel rooms for non-AHA registrants are limited.

## Accreditation

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education.

The International Society for Heart and Lung Transplantation designates this educational activity for a maximum

of 10 CME hours.

Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

#### Conflict of Interest

It is the policy of the International Society for Heart and Lung Transplantation to ensure balance, independence, objectivity, and scientific rigor in all its educational programs. Current guidelines state that participants in CME activities should be made aware of any affiliation or financial interest that may affect the speakers' presentations. Each speaker has been requested to complete a conflict of interest statement. The names of the speakers declaring a potential conflict of interest will be distributed at the meeting. Additionally, all speakers have been asked to indicate at the start of their presentations if a product they are discussing is not labeled for the use under discussion or is still investigational.

International Society for Heart and Lung Transplantation is most grateful for the educational grants and the support of our corporate sponsors towards this 2nd Annual Fall Meeting

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## **Friday, November 5**

All sessions will be held in the International Ballroom unless otherwise noted.

11:00 am - 5:00 pm

Registration (International Ballroom Foyer)

12:55 - 1:00 pm

Welcome

Robert L. Kormos, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

1:00-1:30 pm

Invited Lecture: Current Needs and Expectations of Technology: A Cardiologist's Perspective

James B. Young, MD, The Cleveland Clinic Foundation, Cleveland, OH

1:30-3:00 pm

PANEL I: APPLYING LESSONS LEARNED FROM BRIDGE TO CARDIAC TRANSPLANTATION

1:30-1:50 pm

LVAD Network

Mehmet C. Oz, MD, Columbia-Presbyterian Medical Center, New York, NY

1:50-2:10 pm

200 Implantable LVADs: Have Things Changed Since the First 100?

Nicholas G. Smedira, MD, The Cleveland Clinic Foundation, Cleveland, OH

2:10-2:30 pm

Bridge to Cardiac Transplantation with the CardioWest Total Artificial Heart, Novacor Left Ventricular Assist System, and Thoratec Ventricular Assist Devices

Jack Copeland, MD, University of Arizona Health Science Center, Tucson, AZ

2:30-2:50 pm

Pierce-Donachy and ThermoCardioSystem's Pneumatic Left Ventricular Systems as a Bridge to Transplant: An Institutional Experience

Walter Pae, Jr., MD, Milton S. Hershey Medical Center, Hershey, PA

2:50-3:00 pm

Discussion

3:00 -3:15 pm

Refreshment break (International Ballroom Foyer)

3:15-4:45 pm

PANEL II: CHRONIC APPLICATIONS OF EXISTING TECHNOLOGY

3:15-3:25 pm

Novacor Left Ventricular Assist System

Peer Portner, PhD, Baxter Healthcare-Novacor Division, Oakland, CA

3:25-3:55 pm

Randomized Evaluation of Mechanical Assistance for the Treatment of Congestive Heart Failure Rematch Trial  
Mehmet C. Oz, MD, Columbia-Presbyterian Medical Center, New York, NY

3:55-4:15 pm

Unresolved Issues in Long-Term Mechanical Circulatory Support  
Robert L. Kormos, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

4:15-4:35 pm

Models for Future Chronic Trials  
Lynne Warner-Stevenson, MD, Brigham and Women's Hospital, Boston, MA

4:35-4:45 pm

Discussion

4:45 - 6:00 pm

Reception (International Ballroom Foyer)

## **Saturday, November 6**

7:30 am

Continental Breakfast

8:00-9:30 am

PANEL III: TARGETS FOR RESEARCH IN CHRONIC SUPPORT

8:00-8:20 am

Infections: The Achilles Heel  
William L. Holman, MD, University of Alabama, Birmingham, AL

8:20-8:40 am

Thromboembolism  
William Wagner, PhD, University of Pittsburgh, Pittsburgh, PA

8:40-9:00 am

Neurohumoral Issues  
Talia B. Spanier MD, Columbia-Presbyterian Medical Center, New York, NY

9:00-9:20 am

Hypertension in VAD Patients  
Srinivas Murali, MD, University of Pittsburgh, Pittsburgh, PA

9:20-9:30 am

Discussion

9:30-10:00 am

Refreshment break (International Ballroom Foyer)

10:00-11:30 am

PANEL IV: RECOVERY OF THE DISEASED MYOCARDIUM: THE PUZZLE

10:00-10:20 am

Decreased Expression of Myocardial TNF Content After Prolonged Mechanical Support: A Potential Mechanism for Cardiac Recovery?

Guillermo Torre, MD, PhD, Baylor College of Medicine, Houston, TX

10:20-10:40 am

Myocardial Plasticity Revealed Through Circulatory Support: Challenges and Opportunities

Kenneth B. Margulies, MD, Temple University Medical School, Philadelphia, PA

10:40-11:00 am

Lessons Learned from Patients After Weaning from LVAD: Four Years of Experience and Follow-Up

Johannes Mueller, MD, German Heart Institute, Berlin, Germany

11:00-11:20 am

Clinical Assessment of Myocardial Recovery

Donna M. Mancini, MD, Columbia-Presbyterian Medical Center, New York, NY

11:20-11:30 am

Discussion

11:30- Noon

Invited Lecture: Recovery of the Myocardium: The Solution

Douglas L. Mann, MD, Baylor College of Medicine, Houston, TX

Noon to 1:00 pm

Lunch (Embassy Room)

1:00-2:15 pm

PANEL V: NEW ERA IN PULSATILE SYSTEMS

1:00-1:20 pm

Arrow Lion Heart™

Walter Pae, Jr., MD, Milton S. Hershey Medical Center, Hershey, PA

1:20-1:40 pm

The HeartSaver VAD: A Totally Implantable Intrathoracic Pulsatile VAD

Tofy Mussivand, PhD, Ottawa Heart Institute, Ottawa, Ontario, Canada

1:40-2:00 pm

The Abiomed Total Artificial Heart

Robert D. Dowling, MD, University of Louisville, Louisville, KY

2:15-2:45 pm

Refreshment Break (International Ballroom Foyer)

2:45-4:15 pm

PANEL VI: THE NEW ERA IN REDUCED PULSATILE SYSTEMS

2:45-3:05 pm

Magnetic Bearing Action Flow Pump

James F. Antaki, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA

3:05-3:25 pm

Heartmate II LVAD

Kenneth C. Butler, Nimbus, Inc., Rancho Cordova, CA

3:25-3:45 pm

A Third Generation Rotary Pump

Leonard Golding, MD, The Cleveland Clinic Foundation, Cleveland, OH

3:45-4:05 pm

DeBakey VAD

George Noon, MD, Baylor College of Medicine, Houston, TX

4:05-4:15 pm

Discussion

4:15-4:30 pm

Closing Remarks

Robert L. Kormos, MD, University of Pittsburgh Medical Center, Pittsburgh, PA