

International Society for Heart and Lung Transplantation  
3rd Fall Education Meeting

Mechanical Cardiac Support and Replacement II

Program Chair: Nicholas G. Smedira, MD

November 9-10, 2001  
Hyatt Regency Orange County  
Anaheim, CA USA

**This meeting has been endorsed by the Cardio-Thoracic and Vascular Surgery Council of the American Heart Association.**

**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 74th 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.

### **Meeting Location**

The meeting will be held at the Hyatt Regency Orange County, Harbor and Chapman Streets, Anaheim, CA. Phone: 714-748-4253; Fax: 714-748-6057. The hotel is approximately 1 mile from the Anaheim Convention Center, site of the AHA meeting.

### **Hotel Accommodations**

ISHLT has NOT blocked hotel rooms for this meeting. If you are attending the AHA meeting, you can get an AHA hotel reservation form from the AHA web site ([www.scientificsessions.org](http://www.scientificsessions.org)). If you are NOT attending the AHA meeting, you can visit the Anaheim Convention and Visitors Bureau ([www.anaheimoc.com](http://www.anaheimoc.com)) for a list of area hotels. It is important that you reserve a hotel room early, as hotel rooms are limited, particularly on the night of November 8.

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

#### **Disclosure**

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 disclosure statement. The names of the speakers with relevant disclosures 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.

#### **Corporate Support**

International Society for Heart and Lung Transplantation is most grateful for the educational grants and the support of our corporate sponsors towards this 3rd Fall Education Meeting

Thoratec Corporation

## **EDUCATIONAL PROGRAM SCHEDULE**

**Friday, November 9, 2001**

11:00 am - 5:00 pm

Registration

Noon - 12:05 pm

*Welcome/Introduction*

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

**PULSATILE DEVICES: Iterative Advances in Pulsatile Pump Design**

Moderator: James Long, MD (not accepted yet)

12:05 - 12:20 pm

*Novacor*

Peer Portner, PhD, Stanford University, Palo Alto, CA

12:20 – 12:35 pm

*Heartmate*

Vic Poirier, MBA, Thoratec Corporation, Woburn, MA

12:35 – 12:55 pm

*Thoratec*

David Farrar, PhD, Thoratec Corporation, Woburn, MA

12:55 – 1:10 pm

Questions and Answers

**PULSATILE DEVICES: Patient Selection and Timing of Implant**

Moderator: Jack G. Copeland, MD (not accepted yet)

1:10 – 1:25 pm

*Cardiologist*

Edoardo G. Gronda, MD, Istituto Clinico Humanitas, Milan, Italy

1:25 – 1:40 pm

*Surgeon*

Francisco A. Arabia, MD, University of Arizona, Tucson, AZ

1:40 – 1:45 pm

*Surgeon*

Alain Pavie, MD, Hopital La Pitie, Paris, France (not accepted yet)

1:45 – 1:55 pm

Questions and Answers

**UPDATE ON CLINICAL TRIALS**

Moderator: Francis D. Pagani, MD, PhD

1:55 – 2:10 pm

*REMATCH*

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

2:10 – 2:25 pm

*INTREPID*

Michael K. Pasque, MD, Washington University School of Medicine, St. Louis MO

2:25 – 2:45 pm

*Invited Lecture: The Value of Clinical Trials and the Need of an LVAD Database*

Lynne W. Stevenson, MD, Brigham and Women's University, Boston, MA (not accepted yet)

2:45 – 2:55 pm

Questions and Answers

2:55 – 3:15 pm

Break/Visit Exhibits

### **DEVICE PATIENT INTERACTION**

Moderator: Yoshifumi Naka, MD, PhD

3:15 – 3:30 pm

*Immunobiology of LVADS*

Silviu Itescu, MD, Columbia Presbyterian Medical Center, New York, NY (not accepted yet)

3:30 – 3:45 pm

*Impact of LVADS on HLA Antibodies*

Daniel J. Cook, PhD, Cleveland Clinic Foundation. Cleveland OH

3:45 – 4:00 pm

*Immunoabsorption or LVADS for Heart Failure*

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

4:00 – 4:10 pm

Questions and Answers

### **WEANING**

Moderator: George Wieselthaler, MD

4:10 – 4:25 pm

*Overview*

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

4:25 – 4:40 pm

*Berlin Experience*

Roland Hetzer, MD, PhD, German Heart Institute, Berlin, Germany (not accepted yet)

4:40 – 4:55 pm

*THI Experience*

Reynolds M. Delgado, MD, Texas Heart Institute, Houston, TX

4:55 – 5:05 pm

*Strategies to Assess Recoverability*

Simon Maybaum, MD, Columbia Presbyterian Medical Center, New York, NY

5:05 – 5:20 pm

*Recovery Protocols*

Simon Maybaum, MD, Columbia Presbyterian Medical Center, New York, NY, and Ali El-Banayosy, MD, Herzzentrum NRW, Bad Oeynhausen, Germany

5:20 – 5:30 pm

Questions and Answers

5:30 – 6:30 pm

**Wine and Cheese Reception**

**Poster Presentations of Pre-clinical Devices**

*Kriton*

Steven W. Boyce, MD, Washington Hospital Center, Washington DC (not accepted yet)

*Terumo*

TBD

*Coraide*

Leonard A.R. Golding, MD, Cleveland Clinic Foundation, Cleveland OH

*AMed*

Mike DeVries, CEO, Amed Systems, Inc., West Sacramento, CA

*Impella*

TBD

*Heartmate III*

TBD

*Heartsaver VAD*

Paul Hendry, MD, University of Ottawa Heart Institute, Ottawa, Canada

*Penn State Total Artificial Heart*

Benjamin C. Sun, MD, Milton S. Hershey Medical Center, Hershey, PA (not accepted yet)

*Thoratec IC VAD*

J. Donald Hill, MD, California Pacific Medical Center, San Francisco CA (not accepted yet)

**Saturday, November 10, 2001**

7:30 am

Continental Breakfast

**UPDATE ON TOTALLY IMPLANTABLE PULSATILE DEVICES**

Moderator: Michael A. Acker, MD

8:00 – 8:20 am

*Arrow Lion Heart*

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

8:20 – 8:40 am

*Abiocr TAH*

Robert D. Dowling, MD, University of Louisville, Louisville, KY (not confirmed yet)

**CONTINUOUS FLOW PUMPS**

Moderator: Leonard A.R. Golding, MD

8:40 – 9:00 am

*Engineering and Design Principles for the Clinician: Axial and Centrifugal Pumps*

Kenneth C. Butler, Nimbus, Inc., Rancho Cordova, CA (not accepted yet)

9:00 – 9:20 am

*Physiology of Continuous Flow*

Ernst Wolner, MD, University of Vienna, Vienna, Austria

9:20 – 9:40 am

*Debakey: Update*

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

9:40 – 10:00 am

*Jarvik: Update*

O.Howard Frazier, MD, Texas Heart Institute, Houston, TX

10:00 – 10:20 am

*Heartmate II*

Reiner P. Koerfer, MD, Herzzentrum NRW, Bad Oeynhausen, Germany (not yet accepted)

10:20 – 10:40 am

Panel Discussion

10:40 – 11:00 am

Break/Visit Exhibits

11:00 – 11:45 am

**INVITED LECTURE:** *New and Emerging Strategies for Anticoagulation*

David Moliterno, MD ???????Cleveland Clinic Foundation (not yet accepted)

### **EMERGING CLINICAL TECHNOLOGIES**

Moderator: Robert C. Robbins, MD

11:45 – Noon

*Myosplint*

Patrick M. McCarthy, MD, Cleveland Clinic Foundation, Cleveland, OH

Noon – 12:15 pm

*Acorn*

Steven F. Bolling, MD, University of Michigan Hospital, Ann Arbor, MI  
USA

12:15 – 12:30 pm

*Direct Cardiac Compression Devices*

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

12:30 – 12:45 pm

*Cardiovad*

Valluvan Jeevanandam, MD, University of Chicago, Chicago, IL

12:45 – 12:55 pm

Questions and Answers

1:00 – 2:00 pm

**LUNCH LECTURE:** *Destination The Space Station: Heart Failure Response to Zero Gravity*

Jim Thomas, MD, Cleveland Clinic Foundation, Cleveland, OH

2:00 – 3:30 pm

### **SURGICAL VIDEO SESSION**

Moderators: Daniel Y. Loisance, MD, and Louis D. Samuels, MD

*Gortex Pocket for Intraperitoneal LVAD Implant*

*Off-pump ACORN wrap*

*Myosplint*

*Thoratec BiVAD as a Total Heart Replacement*  
*Abioco Total Artificial heart*  
*Debakey LVAD*  
*Jarvik LVAD*

3:30 – 3:45 pm  
Break/Visit Exhibits

3:45 – 5:00 pm

**THE REAL WORLD: CASE PRESENTATIONS AND MANAGEMENT CONTROVERSIES**

Moderators: Nicholas G. Smedira, MD and James B. Young, MD

Panelists: Robert L. Kormos, MD, O.H. Frazier, MD, David O. Taylor, MD

5:00 pm

**CLOSING REMARKS**