



ISHLT ACADEMY: CORE COMPETENCIES IN HEART FAILURE AND CARDIAC TRANSPLANT MEDICINE

Chairs: José A. Tallaj, MD and David A. Baran, MD

**Wednesday, April 9, 2014
Manchester Grand Hyatt Hotel, San Diego, CA, USA**

CONTINUING MEDICAL EDUCATION INFORMATION

Accreditation Statement

The International Society for Heart and Lung Transplantation (ISHLT) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement

ISHLT designates this live activity for a maximum of 8.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure

Current guidelines state that participants in CME activities must be made aware of any affiliation or financial interest that may affect the program content or a speaker's presentation. Planners, Faculty and Chairs participating in this meeting are required to disclose to the program audience any real or apparent conflict(s) of interest related to the content of their presentations or service as Chair/Planner. These disclosures will be distributed at the meeting. Additionally, all speakers have been asked to verbally disclose at the start of their presentation if a product they are discussing is not labeled for the use under discussion or is still investigational.

Learning Objectives

At the conclusion of this meeting, participants will have improved competence and professional performance in their ability to:

- 1) Understand the general concepts, definitions and general principles of management of patients with heart failure with depressed and preserved ejection fraction.
- 2) Identify the clinical signs and risk factors of patients with end stage heart failure.
- 3) Understand the general concepts, definitions and general principles of management of patients with pulmonary hypertension.
- 4) Understand indications and timing for advanced therapies in end-stage heart failure.
- 5) Recognize the various types of mechanical circulatory support, their outcomes, and rates of adverse events.
- 6) Understand the general immunological basis for transplantation, its therapeutic targets and potential complications.
- 7) Understand the socio-economic burden of mechanical circulatory devices and heart transplantation.

Educational Goals

The educational goals of this activity are to provide a concise review of clinical knowledge and essential professional skills to facilitate best practice of surgical and medical aspects involved in the care of patients with advanced heart failure.

Target Audience

While all members are invited to enroll, this course is primarily designed to be of benefit for clinicians and allied professionals who are in the early stages of their careers or who are in training, are part of a new program or desire an update on the current state of the field. The information presented is intended to provide a strong foundation of the overarching principles of heart failure and transplant medicine, rather than as a detailed update for those who are already proficient in the field.

SCIENTIFIC PROGRAM COMMITTEE

David A. Baran, MD, Newark Beth Israel Medical Center, Newark, NJ, USA, Co-Chair
José A. Tallaj, MD, University of Alabama at Birmingham, AL, USA, Co-Chair
Maria G. Crespo-Leiro, MD, Hospital Universitario, La Coruña, Spain
Eugene C. DePasquale, MD, David Geffen School of Medicine, Los Angeles, CA, USA
Lee R. Goldberg, MD, MPH, University of Pennsylvania, Philadelphia, PA, USA
Debra L. Isaac, MD, Foothills Hospital, Calgary, AB, Canada
Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA
Peter MacDonald, MD, PhD, St. Vincent's Hospital, Sydney, Australia
Jeffrey J. Teuteberg, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA
Andreas Zuckermann, MD, Medical University of Vienna, Vienna, Austria

SCIENTIFIC PROGRAM SCHEDULE

7:00 AM - 7:45 AM

MORNING COFFEE AND REGISTRATION

7:45 AM – 8:00 AM

WELCOME AND INTRODUCTIONS

8:00 AM - 8:45 AM

SESSION 1: HEART FAILURE: GENERAL OVERVIEW AND CONCEPTS

8:00 AM *Epidemiology of Heart Failure*, Lee R. Goldberg, MD, MPH, University of Pennsylvania, Philadelphia, PA, USA

8:15 AM *Pathophysiology of Heart Failure: Neurohormones and Beyond*, Finn Gustafsson, MD, PhD, DMSci, Rigshospitalet, Copenhagen, Denmark

8:30 AM *Types of Cardiomyopathy: The Usual Suspects*, Eugene C. DePasquale, MD, David Geffen School of Medicine, Los Angeles, CA, USA

8:45 AM - 9:30 AM

SESSION 2: EVALUATION OF PATIENTS WITH HEART FAILURE

8:45 AM *Initial Evaluation of the Patient with Heart Failure*, Marisa G. Crespo-Leiro, MD, Hospital Universitario, La Coruña, Spain

9:00 AM *Right Heart Catheterization and Hemodynamic Monitoring*, José A. Tallaj, MD, University of Alabama at Birmingham, Birmingham, AL, USA

9:15 AM *Risk Stratification – Is it time for Advanced Therapies?* Lee R. Goldberg, MD, MPH, University of Pennsylvania, Philadelphia, PA, USA

9:30 AM - 10:30 AM

SESSION 3: MANAGEMENT OF THE PATIENT WITH CHRONIC LEFT VENTRICULAR SYSTOLIC DYSFUNCTION

9:30 AM *Pharmacological Management*, Debra L. Isaac, MD, Foothills Hospital, Calgary, AB, Canada

9:45 AM *Non-pharmacological Management*, Peter MacDonald, MD, PhD, St. Vincent's Hospital, Sydney, Australia

10:00 AM *(Electrical) Device-based Therapy*, Michel White, MD, Montreal Heart Institute, Montreal, Canada

10:15 AM *Surgical Management of Ischemic Heart Failure in the Post-STICH Era*, Carmelo A. Milano, MD, Duke University Medical Center, Durham, NC, USA

10:30 AM - 10:45 AM

COFFEE BREAK

10:45 AM - 11:45 AM

SESSION 4: ACUTE HEART FAILURE EVALUATION AND MANAGEMENT

10:45 AM ADHF: *The Scope of the Problem*, Marisa G. Crespo-Leiro, MD, Hospital Universitario, La Coruña, Spain

11:00 AM ADHF: *Pharmacologic Management: What Does the Evidence Show Us?* Heather J. Ross, MD, MHSc, FRCPC, Toronto General Hospital, Toronto, Canada

11:15 AM ADHF: *Crash and Burn. Percutaneous Tools for Severe Decompensation*, Jeffrey J. Teuteberg, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

11:30 AM ADHF: *Bridge over Troubled Waters. Transitions of Care: Home Inotropes, VADs and Hospice*, David A. Baran, MD, Newark Beth Israel Medical Center, Newark, NJ, USA, Co-Chair

11:45 AM - 12:00 PM

Q&A SESSION WITH ALL MORNING SPEAKERS

12:00 PM - 1:00 PM

BOX LUNCH AND NETWORKING

12:15 PM - 12:45 PM

SPECIAL SESSION: *How to Prepare for the Advanced Heart Failure and Transplant Cardiology Exam (US Boards)*, Deepak Acharya, MD, University of Alabama at Birmingham, Birmingham, AL, USA

1:00 PM - 1:45 PM

SESSION 5: HEART FAILURE WITH PRESERVED EJECTION FRACTION

1:00 PM *Heart Failure with Preserved Ejection Fraction: The Scope of the Problem*, Monica Colvin-Adams, MD, University of Minnesota, Minneapolis, MN, USA

1:15 PM *Heart Failure with Preserved Ejection Fraction: Diagnosis*, Finn Gustafsson, MD, PhD, DMSci, Rigshospitalet, Copenhagen, Denmark

1:30 PM *Heart Failure with Preserved Ejection Fraction: Therapeutic Options*, Eugene C. DePasquale, MD, David Geffen School of Medicine, Los Angeles, CA, USA

1:45 PM - 2:30 PM

SESSION 6: PULMONARY ARTERIAL HYPERTENSION

1:45 PM *Overview of PAH*, Debra L. Isaac, MD, Foothills Hospital, Calgary, AB, Canada

2:00 PM *Pulmonary Hypertension in Heart Failure*, Mardi Gomberg-Maitland, MD, University of Chicago Medical Center, Chicago, IL, USA

2:15 PM *Case Presentations with Panel Discussion*, Debra L. Isaac, MD, Foothills Hospital, Calgary, AB, Canada, and Mardi Gomberg-Maitland, MD, University of Chicago Medical Center, Chicago, IL, USA

2:30 PM - 2:45 PM

COFFEE BREAK

2:45 PM - 4:15 PM

SESSION 7: HEART TRANSPLANT 101

2:45 PM *Evaluation of Heart Transplant Candidates*, Heather J. Ross, MD, MHSc, FRCPC, Toronto General Hospital, Toronto, Canada

3:00 PM *Evaluation and Management of the Potential Heart Donor*, Andreas O. Zuckermann, MD, Medical University of Vienna, Vienna, Austria

3:15 PM *Peri-operative Management of the Heart Transplant Recipient*, Peter MacDonald, MD, PhD, St. Vincent's Hospital, Sydney, Australia

3:30 PM *Immunologic Concepts of Heart Transplantation*, Andreas O. Zuckermann, MD, Medical University of Vienna, Vienna, Austria

3:45 PM *Immunosuppression and Rejection*, David A. Baran, MD, Newark Beth Israel Medical Center, Newark, NJ, USA

4:00 PM *Long-term Care of Heart Transplant Recipients*, Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

**4:15 PM - 4:30 PM
COFFEE BREAK**

**4:30 PM – 6:00 PM
SESSION 8: MECHANICAL CIRCULATORY SUPPORT IN A NUTSHELL**

4:30 PM *MCS in 2014: State of the Art*, Evgenij V. Potapov, MD, PhD, Deutsches Herzzentrum, Berlin, Germany

4:45 PM *Patient Selection and Timing*, Jeffrey J. Teuteberg, MD, University of Pittsburgh, Pittsburgh, PA, USA

5:00 PM *Practical Peri-operative Management of MCS Patients*, José A. Tallaj, MD, University of Alabama at Birmingham, AL, USA

5:15 PM *Adverse Events Post-VAD placement*, Carmelo A. Milano, MD, Duke University Medical Center, Durham, NC, USA

**5:30 PM - 5:45 PM
Q& A SESSION WITH ALL AFTERNOON SPEAKERS**

**5:45 PM - 6:00 PM
CLOSING ADDRESS: *Heart Failure and Transplant: Where Will We Be in 2024?*** Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

6:00 PM ADJOURN