



**ISHLT ACADEMY CORE COMPETENCIES COURSE ON
HEART FAILURE AND CARDIAC TRANSPLANT MEDICINE**

Tuesday, April 26, 2016

7:50 AM – 5:15 PM

Marriott Wardman Park Hotel, Washington, DC, USA

Thurgood Marshall Ballroom North

**ISHLT ACADEMY CORE COMPETENCIES COURSE ON
HEART FAILURE AND CARDIAC TRANSPLANT MEDICINE**

**Tuesday, April 26, 2016
7:50 AM – 5:15 PM**

Scientific Program Committee

Chair: Teresa De Marco, MD, FACC, University of California, San Francisco, CA, USA

Co-Chair: Frances Johnson, MD, University of Iowa Hospital & Clinics, Iowa City, IA, USA

Co-Chair: Andrew Kao, MD, St. Luke's Cardiovascular Consultant, Kansas City, MO, USA

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.

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 late-stage heart failure.
- 3) Understand the general concepts, definitions and general principles of management of patients with pulmonary hypertension due to left heart disease.
- 4) Understand indications and timing for advanced therapies in late-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.

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.

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 8.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ANCC Credit

Amedco is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This course is co-provided by Amedco and the International Society for Heart and Lung Transplantation (ISHLT). Maximum of 8.25 contact hours.

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. Please refer to the Participant Notification document for a list of all disclosures. 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.

SCIENTIFIC PROGRAM SCHEDULE**7:00 AM – 7:45 AM****REGISTRATION AND MORNING COFFEE****7:50 AM – 8:00 AM****WELCOME AND INTRODUCTIONS**

Teresa De Marco, MD, FACC, University of California, San Francisco, CA, USA
Frances Johnson, MD, University of Iowa Hospital & Clinics, Iowa City, IA, USA
Andrew Kao, MD, St. Luke's Cardiovascular Consultant, Kansas City, MO, USA

8:00 AM – 8:45 AM**SESSION 1: HEART FAILURE: GENERAL OVERVIEW AND CONCEPTS**

Chair: Andrew Kao, MD

8:00 AM *Epidemiology of Heart Failure*

Lee Goldberg, MD, MPH, University of Pennsylvania, Philadelphia, PA, USA

8:15 AM *Pathophysiology: Neurohormones and Beyond*

Finn Gustafsson, MD, PhD, Rigshospitalet, Copenhagen, Denmark

8:30 AM *Types of Cardiomyopathies*

Deborah Meyers, MD, FRACP, FACC, Texas Heart Institute, Houston, TX, USA

8:45 AM – 9:30 AM**SESSION 2: EVALUATION OF PATIENTS WITH HEART FAILURE**

Chair: Andrew Kao, MD

8:45 AM *Initial Evaluation and Screening Guidelines*

Finn Gustafsson, MD, PhD, Rigshospitalet, Copenhagen, Denmark

9:00 AM *Role of Right Heart Catheterization and Hemodynamic Monitoring*

James Fang, MD, University of Utah Health Sciences Center, Salt Lake City, UT, USA

9:15 AM *Risk Stratification in HFrEF – Is it Time for Advanced Therapies?*

Lee Goldberg, MD, MPH, University of Pennsylvania, Philadelphia, PA, USA

9:30 AM - 9:45 AM

COFFEE BREAK

9:45 AM – 10:50 AM

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

Chair: Andrew Kao, MD

9:45 AM *Pharmacologic Management of HFrEF: Evidence-based, Guideline-directed*

JoAnn Lindenfeld, MD, Vanderbilt University, Nashville, TN, USA

10:00 AM *Non-Pharmacologic Management: Impact of Lifestyle and Comorbidities*

Peter Macdonald, MD, PhD, St. Vincent's Hospital, Sydney, Australia

10:15 AM *Principles for Arrhythmia Management and Role of Electrical Device-Based Therapy for HFrEF*

JoAnn Lindenfeld, MD, Vanderbilt University, Nashville, TN, USA

10:35 AM *Surgical Management of Valvular Disease and Ischemic Heart Failure*

Francis Pagani, MD, PhD, University of Michigan Health System, Ann Arbor, MI, USA

10:50 AM – 11:50 AM

SESSION 4: ACUTE HEART FAILURE EVALUATION AND MANAGEMENT

Chair: Teresa De Marco, MD, FACC

10:50 AM *Scope of the Problem and Pharmacologic Management: What Does the Evidence Show Us?*

Heather J. Ross, MD, MHSc, FRCPC, Toronto General Hospital, Toronto, Canada

11:05 AM *Crash and Burn: Percutaneous Tools for Acute, Severe Decompensation*

Stuart Russell, MD, Johns Hopkins University, Baltimore, MD, USA

11:20 AM *Transitions of Care: Home Inotropes, VAD's, Palliative Care*

Deborah Meyers, MD, FRACP, FACC, Texas Heart Institute, Houston, TX, USA

11:35 AM *Panel Discussion*

All morning speakers.

11:50 AM – 12:50 PM

LUNCH BREAK (a box lunch is included in the registration fee)

12:15 PM – 12:45 PM

SPECIAL LUNCH SESSION

Chair: Andrew Kao, MD

12:15 PM Case Presentation: Cardiorenal Syndrome

Maria Rosa Costanzo, MD, Midwest Heart Specialists-Advocate Medical, Naperville, IL, USA

12:30 PM Case Presentation: Cardiopulmonary Exercise Test Interpretation

Marco Guazzi, MD, PhD, IRCC Pol San Donato, Milan, Italy

12:50 PM – 1:10 PM

SESSION 5: HEART FAILURE WITH PRESERVED EJECTION FRACTION (HFpEF)

Chair: Teresa De Marco, MD, FACC

12:50 PM Epidemiology, Diagnosis and Therapeutic Options: What is the Evidence Base for HFpEF?

Marco Guazzi, MD, PhD, IRCC Pol San Donato, Milan, Italy

1:10 PM - 1:50 PM

SESSION 6: PULMONARY HYPERTENSION

Chair: Teresa De Marco, MD, FACC

1:10 PM Pulmonary Hypertension Due to Left Heart Diseases

Jean Luc Vachiery, MD, Erasme University Hospital – UBL, Brussels, Belgium

1:30 PM Case Presentation: Distinguishing PH Due to HFpEF from PAH - Now What?

James Fang, MD, University of Utah Health Sciences Center, Salt Lake City, UT, USA

1:35 PM Case Discussion: Marco Guazzi, MD, PhD, IRCC Pol San Donato, Milan, Italy; Jean-Luc Vachiery, MD, Erasme University Hospital – UBL, Brussels, Belgium

1:50 PM – 2:05 PM

COFFEE BREAK

2:05 PM – 3:40 PM

SESSION 7: HEART TRANSPLANTATION 101

Chair: Frances Johnson, MD

2:05 PM Evaluation of Heart Transplant Candidates – Let's Not Forget Congenital Heart Disease

Heather Ross, MD, MHSc, FRCPC, Toronto General Hospital, Toronto, Canada

2:25 PM Evaluation and Management of the Potential Heart Donor

Francis Pagani, MD, PhD, University of Michigan Health System, Ann Arbor, MI, USA

2:40 PM Peri-Operative Management of the Heart Transplant Recipient

Peter Macdonald, MD, PhD, St. Vincent's Hospital, Sydney, Australia

2:55 PM Nuts and Bolts of Human Immunology

Maria Rosa Costanzo, MD, Midwest Heart Specialists – Advocate Medical, Naperville, IL, USA

3:10 PM *Immunosuppression and Rejection*

Luciano Potena, MD, PhD, University of Bologna, Italy

3:25 PM *Long-Term Care of Heart Transplant Recipients*

Luciano Potena, MD, PhD, University of Bologna, Italy

3:40 PM – 3:55 PM

COFFEE BREAK

3:55 PM – 5:10 PM

SESSION 8: MECHANICAL CIRCULATORY SUPPORT

Chair: Frances Johnson, MD

3:55 PM *Mechanical Circulatory Support (MCS): State-of-the-Art Devices and Outcomes*

Paul Mohacsi, MD, Swiss Cardiovascular Center, Bern, Switzerland

4:10 PM *MCS: Patient Selection and Timing*

Stuart Russell, MD, Johns Hopkins University, Baltimore, MD, USA

4:25 PM *Practical Peri-Operative Management of MCS Patients*

Paul Mohacsi, MD, Swiss Cardiovascular Center, Bern, Switzerland

4:40 PM *Adverse Events Post VAD Placement: Identification and Management*

Geetha Bhat, MD, PhD, Advocate Christ Medical Center, Chicago, IL, USA

4:55 PM *Case Presentation: The Challenges of Destination Therapy*

Geetha Bhat, MD, PhD, Advocate Christ Medical Center, Chicago, IL, USA

5:00 PM *Case Discussion:* Paul Mohacsi, MD, Swiss Cardiovascular Center, Bern, Switzerland; Stuart Russell, MD, Johns Hopkins University, Baltimore, MD, USA

5:10 PM - 5:15 PM

COURSE SYNOPSIS

Frances Johnson, MD, University of Iowa Hospital & Clinics, Iowa City, IA, USA

5:15 PM ADJOURN