



ISHLT ACADEMY: CORE COMPETENCIES IN LUNG TRANSPLANTATION
TUESDAY, APRIL 12, 2011 – WEDNESDAY, APRIL 13, 2011
Sapphire IM Ballroom

Chairs: Christopher Wigfield, MD, FRCS, John Dark, FRCS, David Weill, MD, Lianne Singer, MD, FRCPC

In response to goals developed at the ISHLT 2006-2007 Strategic Planning Meeting, the Society is pleased to announce the establishment of the **ishlt academy**. The **ishlt academy** draws on the wealth of experience and expertise within the society to deliver high quality educational experiences with the goal of enabling our members to improve and maintain the highest possible standards in the care of patients with advanced heart and lung disease and those undergoing heart or lung transplantation. The **ishlt academy** represents the 'brand name' that will be associated with the educational opportunities offered by the ISHLT to its members and interested non-members. The purpose of the **ishlt academy** is to develop an enduring resource of education in core competencies in the field of cardiopulmonary transplantation, mechanical and biological support of the failing heart, advanced lung disease (including pulmonary vascular disease) and cell replacement therapy. These educational endeavors will complement the ISHLT's existing activities in the promulgation of new science, registry analyses, guideline statements and monograph series as a consolidated activity designed to train and educate young clinicians, trainees and those looking for a refresher course in clinical practice mandates in the field.

The opportunities provided by the **ishlt academy** will be multi-modality and multi-disciplinary and will be guided by the identified educational needs or 'practice gaps' of ISHLT members. When available, core curriculum and competency documents for different disciplines within the society will guide content of **ishlt academy** activities. The activities of the academy will run throughout the societies interface with its members with material provided in written format via articles in the Journal of Heart and Lung Transplantation, via the ISHLT Monograph series, and via educational meetings.

The day prior to the 2011 Annual Meeting, we are conducting the second **ishlt academy: Core Competencies in Lung Transplantation**. The complete program is below. If you were unable to attend the **ishlt academy** this year, you can order a DVD of the activity. Order forms are available at the ISHLT Registration Desk. A substantial discount is available to those who purchase the DVD while at the 2011 Annual Meeting.

The **ishlt academy: Core Competencies in Lung Transplantation** will 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 during assessment as candidates and as recipients of lung transplantation. The course consists of focused presentations with an emphasis on clinical practice. All lectures will be delivered by internationally recognized experts in the field. Related topics will be discussed in Question and Answer sessions following each lecture. The course will be interactive and assist participants with more detailed individual review. This course is designed to be of benefit for both seasoned clinicians and allied professionals practicing in the field, but is primarily arranged for current trainee physicians, Fellows, and attending providers in the early stages of their careers.

The course is based on the ISHLT Lung Transplantation Core Competency Curriculum (ISHLT LTx CCC), which will be available on the ISHLT web site in May 2011. Extensive referencing in that document should assist selective individual study and review of published evidence for each topic. The ISHLT LTx CCC document also includes active hyperlinks and related multi-media resources. The core curriculum also serves hospital programs providing lung transplantation with a tool to review their standards of care, develop protocols and implement current guidelines established in lung transplantation.

The faculty for this course consists of internationally recognized leaders in each subspecialty, and the educational workforce of the Pulmonary Council is confident this course will be most comprehensive and valuable for practitioners in the field of lung transplantation.

Faculty and Content Advisors

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Continuing Medical Education

The **ishlt academy: Core Competencies in Lung Transplantation** has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education.

Accreditation Statement

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

Credit Designation Statement

ISHLT designates this live activity for a maximum of 9.75 *AMA PRA Category 1 Credit(s)*[™]. 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 any financial interest or affiliations and to indicate if a product they are discussing is not labeled for the use under discussion or is still investigational.

Learning Objectives

Please refer to the disclosure documents distributed at the registration desk for the learning objectives for this educational activity.

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 during assessment as candidates and as recipients of lung transplantation. The course consists of focused presentations with an emphasis on clinical practice.

Target Audience

This course is designed to be of benefit for both seasoned clinicians and allied professionals practicing in the field, but is primarily arranged for current trainee physicians, Fellows, and attending providers in the early stages of their careers.



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SCIENTIFIC PROGRAM

TUESDAY, APRIL 12, 2011

- 2:00 pm** **Welcome and Introductions**
John Dark, MB, FRCS, Freeman Hospital, Newcastle Upon Tyne, United Kingdom, Christopher H. Wigfield, MD, FRCS, Loyola Univ Med Center, USA, Lianne G. Singer, MD, FRCPC, Toronto General Hospital, Toronto, Canada
- 2:15 pm** **Introduction and Overview of Lung Transplantation**
1. Background and History of Lung Transplantation and Challenges in Lung Transplantation
Edward R. Garrity, Jr., MD, University of Chicago Medical Center, Chicago, IL, USA
2. Programs, Databases, ISHLT Registry and Outcomes in Lung Transplantation
Marshall I. Hertz, MD, University of Minnesota, Minneapolis, MN, USA
- 3:00 pm** **Question and Answer Session**
- 3:15 pm** **Evaluation and Management of the Lung Transplant Candidate**
1. Indications for Lung Transplantation and Referral Guidelines
Gregory I. Snell, FRACP, MBB, Alfred Hospital, Melbourne, Australia
2. Transplant Candidate Evaluation and Ongoing Management
Paul A. Corris, MB FRCP, Freeman Hospital, Newcastle Upon Tyne, United Kingdom
- 4:15 pm** **Question and Answer Session**
- 4:30 pm** **BREAK**
- 4:45 pm** **Lung Allograft Donation and Procurement**
1. Background and Donor Definitions, Lung Donor Offer and Evaluation Process
Robert B. Love, MD, Loyola University Medical Center, Maywood, IL, USA
2. Lung Allograft Procurement Principles, Additional Lung Donor Options & Future Directions
Shaf Keshavjee, MD, FRCSC, Toronto General Hospital, Toronto, Canada
- 5:45 pm** **Question and Answer Session**
- 6:00 pm** **DINNER BREAK** (ISHLT-sponsored Faculty Dinner, Delegates on own)
- 7:30 pm** **Lung Transplantation: Surgical and Post-Operative Management**
1. Surgical Options and Procedural Issues in Lung Transplantation
Walter Weder, MD, University Hospital Zurich, Switzerland
2. Surgical Complications & Post-OP Management after Lung Transplantation
Duane Davis, MD, Duke University, Durham, NC, USA
- 8:30 pm** **Question and Answer Session**
- 8:45 pm** **Panel Discussion, Review of Day 1** (*All faculty*)
- 9:00 pm** **Adjourn**

WEDNESDAY, APRIL 13, 2011

- 7:30 am** **Welcome and Overview**
Christopher H. Wigfield, MD, FRCS, Loyola University Medical Center, Maywood, IL, USA and David Weill, MD, Stanford University Medical Center, Stanford, CA, USA
- 7:35 am** **Rejection After Lung Transplantation and Immunosuppression Protocols**
1. Acute Cellular Rejection, The Sensitized Recipient and Immunosuppression Regimens Post Lung Transplantation
Selim M. Arcasoy, MD, Columbia University, New York, NY, USA
2. Humoral or Antibody-Mediated Rejection, Medical Complications Post Transplantation and Bronchiolitis Obliterans Syndrome
Annette Boehler, MD, University Hospital Zurich, Switzerland
- 8:45 am** **Question and Answer Session**
- 9:00 am** **Infections After Lung Transplantation Part I**
Kate Gould, FRCPath, Freeman Hospital, Newcastle Upon Tyne, United Kingdom
1. Immune Response to Infection
2. Significance of Infections in the Donor
3. Impaired Physiology in the Allograft and Impact on Infection
4. Overview and Timeline of Infections After Lung Transplantation
- Infections After Lung Transplantation Part II**
Martha L. Mooney, MD, Sentara Norfolk Transplant Center EVMS, Norfolk, VA, USA
5. Diagnosis, Prophylaxis & Management of Early Post-Transplant Infections
6. Diagnosis, Prophylaxis & Management of Later Infections
7. Non-Infectious Allograft Sequelae of Infectious Pathogens
8. Immune Monitoring and Infection
- 9:45 am** **Question and Answer Session**
- 10:00 am** **BREAK**
- 10:15 am** **Lung Transplantation Pathology Part I**
Susan Stewart, FRCPath, Papworth Hospital, Cambridge, United Kingdom
1. Specimen Adequacy and Handling
2. Preservation Injury and other causes of Early Graft Failure
3. Pathology of Acute Cellular Rejection (ACR)
4. Histopathological Mimics of ACR including Infection
- Lung Transplantation Pathology Part II**
Gerald J. Berry, MD, Stanford University, Stanford, CA, USA
5. Lymphocytic Bronchiolitis/ Bronchitis
6. Chronic Airway Rejection
7. Acute Antibody Mediated Rejection (AMR)
8. Recurrence of Primary Pathology
- 11:00 am** **Question and Answer Session**
- 11:15 am** **Case Discussions and Panel Discussions (all faculty)**
Andrew J. Fisher, FRCP, PhD, Freeman Hospital, Newcastle Upon Tyne, United Kingdom (cases 1 & 3)
Christopher H. Wigfield, MD, FRCS, Loyola University Medical Center, Maywood, IL, USA (cases 2 & 4)
1. Case Discussion; Candidate for LTx Evaluation & Wait List Considerations
2. Case Discussion; Donor Decision Process and Procurement Strategies
3. Case Discussion; ACR Differential Diagnosis & Management
4. Case Discussion; Late Infection Work up and PTLD Diagnosis
- Noon** **Course Summary and Evaluation**
- 12:30 pm** **Adjourn**