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Pioneers in Transplantation

2000    Christiaan Barnard, MD
        Joel D. Cooper, MD
        Norman E. Shumway, MD
2008    Richard R. Lower, MD

Lifetime Achievement Award

2004    Sir Magdi Yacoub, MD
1999    Keith Reemtsma, MD
1998    Norman Shumway, MD

Lifetime Service Award

1997    Jacques Losman
1996    Michael Kaye

ISHLT/Astellas Transplant Career Development Award

2006    Dennis A. Wigle, MD, PhD

ISHLT/Novartis Transplant Career Development Award

2004    Allan M. Ramirez, MD

ISHLT/Roche Transplant Career Development Award

2002    Anthony Azakie, MD
2000    Gordon D. Wu, MD

ISHLT/Roche Transplant Research Fellowship Grant

2007    Satish N. Nadig, MD
2006    Rachel L. Anderson, MBBS
2005    Ahmad Saad, MD
2004    Kendra N. Taylor, PhD
2003    Felix Fernandez, MD
2002    Ruediger Hoebelt, MD
2001    Matteo Vatta, PhD
2001    Arnar Geirsson, MD
2000    Christopher H. Wigfield, FRCS
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        Sivasai Krovvidi, PhD
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        A.M. El Gamel, MD
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        Anne K. Raisanen-Sokolowski, MD
1996    Tuija S. Ikonen, MD

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2007    Timothy M. Millington, MD
2006 Matthew J. Weiss, MD
2000 Richard S. Lee, MD
1999 George Juang, MD
      Satoshi Saito, MD
1998 Margaret L. Schwarze, MD

ISHLT/Astellas (Fujisawa) Transplant Research Fellowship Grant

2007 Sonja Schrepfer, MD
2005 Arne Neyrinck, MD
2004 Christian A. Gleissner, MD
2003 Ewout J. van den Bos, MD
1997 Alyssa M. Krasinskas, MD

ISHLT/Actelion Transplant Research Fellowship Grant

2007 Takeshi Oyaizu, MD, PhD
2004 Tsuyoshi Shoji, MD, PhD

ISHLT/XDx Transplant Research Fellowship Grant

2007 Mylvaganam Jeyakanthan, MD
2006 Edward N. Seung, PhD
2004 Monica Zwierzchonieuska, MD

ISHLT/Encysive Transplant Research Fellowship Grant

2007 J. Raymond Fitzpatrick, III, MD
2006 Heather E. Merry, MD

ISHLT/Transmedics Transplant Research Fellowship Grant

2007 Howard J. Huang, MD
2006 Zhaohui Li, PhD

ISHLT/Chiron Transplant Research Fellowship Grant

2005 Ryan C. Fields, MD

ISHLT/Wyeth-Ayerst Transplant Research Fellowship Grant

1998 Christine L. Lau, MD

ISHLT/Ortho Biotech Transplant Research Fellowship Grant

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1996 Andrew F. Pierre, MD
1995 Frances L. Johnson, MD

ISHLT Transplant Research Fellowship Grant

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2007 Beth D. Kaufman, MD

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2007 Mi-Kyung Song, PhD
2006 Thierry Troosters, PhD
2005 Annemarie F. Kaan, MCN
2004 Deidre E. Logan, PhD
2003 Diane H. Leloudis, RN, MSN
2003 Janet E. Madill, PhD
2002 Annette J. De Vito Dabbs, RN, MN, PhD
2001 Lynn Doering, RN, DNSc
2000 Nancy M. Albert, MSN, RN
1999 Jeanne Salyer, PhD
1998 Katherine St. Clair, RN, MSN
1997 Eileen Collins, RN, PhD

**Caves Award**

2007 Heather E. Merry, MD
2006 Gregor Warnecke, MD
2005 Sigrid Sandner, MD
2005 Frank D'Ovidio, MD
2004 M.D. Peterson, MD
2003 Sigrid Sandner, MD
2002 Peter Blaha, MD
2001 Alexander S. Krupnick, MD
2000 Michael P. Fischbein, MD
1999 Joerg Koglin, MD
1998 Carla C. Baan, MD
1997 Simon D. Eiref, MD
1996 Moninder S. Bhabra, MD
1995 Elizabeth A. Davis, MD
1994 Jobst Winter, MD
1994 Alain Chapelier, MD
1993 David Marshman, MD
1992 David P. Kapelanski, MD
1991 A. Jimenez, MD
1990 Andres J. Duncan, MD
1989 A.M. Wood, MD
1988 Charles D. Fraser, Jr., MD
1987 Wim Van Der Bij, MD
1986 Stuart J. Knechtle, MD
1985 Michael A. Breda, MD
1984 Hermann Reichenspurner, MD
1983 Robbin G. Cohen, MD

**Nursing Excellence Research Award**

2007 Christianne Kugler, PhD
2006 Kathleen L. Grady, PhD, RN
2005 Mary Amanda Dew, PhD
ABOUT ISHLT

The International Society for Heart and Lung Transplantation (ISHLT) is a not-for-profit organization dedicated to the advancement of the science and treatment of end-stage heart and lung diseases. ISHLT was created in 1981 at a small gathering of about 15 cardiologists and cardiac surgeons. Today we have over 3000 members from over 45 countries, representing over 10 different disciplines involved in the management and treatment of end-stage heart and lung disease.

This multinational, multidisciplinary mix is one of the biggest strengths of the Society. It brings greater breadth and depth to our educational offerings and provides an exceptional environment for networking and exchanging information on an informal basis.

Our members include anesthesiologists, basic scientists, cardiologists, cardiothoracic surgeons, ethicists, immunologists, nurses, pathologists, perfusionists, pharmacists, pulmonologists, tissue engineers, and transplant coordinators. Despite their differing specializations, all ISHLT members share a common dedication to the advancement of the science and treatment of end-stage heart and lung disease.

The mission of the Society is:

1. To associate persons interested in the fields of heart and lung transplantation, end-stage heart and lung disease, and related sciences.
2. To encourage and stimulate basic and clinical research in these disciplines and to promote new therapeutic strategies.
3. To hold scientific meetings featuring presentations and discussions relevant to these disciplines.
4. To sponsor a scientific journal for the publication of manuscripts related to these disciplines.
5. To establish and maintain an international registry for heart and lung transplantation.
6. To award research grants and establish endowments for the study of these disciplines.

ABOUT BOSTON

Boston is one of America's oldest cities, first settled in 1630. The capital of Massachusetts, Boston is a city rich in history and tradition, yet vibrant and modern. Located along the northeastern seaboard of the United States, Boston is about 200 miles northeast of New York City.

Boston is a city of neighborhoods, colleges, and wonderful walking trails designed to help visitors learn about its glorious past. The most popular tour is the Freedom Trail. It takes walkers along a 2 ½ mile trail of popular sites from the American Revolution. The Freedom Trail begins at the Boston Common (the oldest public park in America) and ends at Bunker Hill in Charlestown. By following the well-marked red line, tourists will see 16 of Boston's most important historical sites.

Boston is made up of many charming neighborhoods with fine restaurants and antiques stores. Back Bay is a virtual open-air museum of various residential architectural styles including Victorian, Italianate, and Gothic Revival. Beacon Hill harkens to another era with its gas lamps, shade trees, brick sidewalks and grand townhouses built between 1800 and 1850. Two of the prettiest streets in Beacon Hill are Chestnut and Mt. Vernon. There are wonderful antiques shops along Chestnut Street.

Across Boston Harbor is Charlestown, a predominantly Irish working class neighborhood. You can reach Charlestown by trolley or a quick ferry trip from Long Wharf that costs $1. Charlestown is also home to the U.S.S. Constitution, a 44-gun frigate first commissioned in 1798 and now a living museum of Boston's shipbuilding past.

The Museum of Fine Arts is second in the United States only to New York City's Metropolitan Museum of Art. A glorious grand staircase with colorful murals painted by John Singer Sargent welcomes visitors into the museum. Founded in 1870, the museum is divided into nine areas. It houses the finest and largest collection of Japanese art outside of Japan. There is also a large collection of impressionist paintings and major works by Homer Winslow, Edward Hopper, and over 60 paintings by John Singleton Copley. Other galleries feature art of Africa, sculptures and
ceramics from the Ancient Americas, and a wonderful collection of tableware made by Revolutionary patriot and silversmith, Paul Revere.

One of Boston's most famous landmarks is Faneuil Hall. An historic market place and greeting place built in 1742, it houses an information desk on the first floor for visitors and tourists. With its gourmet coffee shops and boutique stores, it is a popular place for both locals and tourists.

Across from Faneuil Hall is the Quincy Market, a wonderful place for people watching and shopping. You'll find cafes with international and specialty foods, popular chain clothing stores, unique gift shops, book stores, open air bars and restaurants. Street jugglers, magicians, and entertainers perform daily. If you're in town on a Friday or Saturday, you'll want to check out the open-air Hay Market. From dusk to dawn, vendors with push carts sell everything from fresh fruits and vegetables to fish, meats and cheeses.

There are over 50 college campuses in the greater Boston area. Just across the Charles River is Cambridge, home of America's oldest university, Harvard. Harvard Square, a very popular spot for people watching, is also known for its street musicians performing on weekend nights and Sunday afternoons. About 20 miles northwest of Boston are Lexington and Concord. Lexington is a quaint, quiet town of historic homes and taverns. Lexington is where Paul Revere made his historic ride to warn the townsfolk the British were coming. Concord, the home of Ralph Waldo Emerson, Henry David Thoreau, and Walden Pond is about 22 miles northwest of Boston. Salem, where suspected witches and sorcerers faced interrogation and death, is 20 miles north east of Boston. The Salem Witch Museum is filled with interesting exhibits and the Witch Dungeon Museum historically recreates the witch trials. You can go back in time to December 1627 when the pilgrims landed at Plymouth Rock. Plimoth Plantation, located about 30 miles southeast of Boston in Plymouth, is staffed by interpreters dressed as native American Indians, pilgrims, and sailors. It offers visitors a realistic look at everyday life of these early settlers and includes preserved and restored 17th century homes. You can also board a full-scale replica of the Mayflower. (www.usatourist.com for more information).

HIGHLIGHTS OF THE SCIENTIFIC PROGRAM

While this year’s program offers a greater breadth and depth of information related to thoracic transplantation than previously possible, it also spotlights the role that the newest technologic advances will have in medicine and transplantation. Wednesday morning’s satellite symposia cover a broad range of topics. These include sessions exploring the latest advances and the future directions in mechanical circulatory and respiratory support in adults and children, emerging concepts in graft remodelling, advances in our understanding and management of lung transplantation in cystic fibrosis, the interactions between innate immunity and rejection, and quality of life and cultural diversity in thoracic transplantation. Additional areas of major focus in this meeting will be the enormous promise of the emerging field of 'biomarkers', the continuing role of B cells and antibody-mediated organ injury and the difficult issue of coagulopathy in mechanical support. Two special concurrent sessions will address advances in ex-vivo support and resuscitation of donor lungs and the prevention of infectious diseases in thoracic transplant recipients. Advances in our understanding of immunobiology, diagnostic testing, and current and future treatment strategies will be highlighted.

This year we are continuing the popular Sunrise Symposia highlighted by sessions covering basic immunobiology and immune therapies for the clinician, enabling clinical research, advances in the understanding and treatment of BOS, new and improved diagnosis and treatment of fungal infections, the state-of-the-art use of continuous flow devices, updates on PTLD and the role of regulatory T cells in thoracic transplantation.

We will have the opportunity to pay tribute to one of the true pioneers in our field, Dr. Richard Lower, who will deliver a Pioneer Lecture, and to explore the strategic plans for the future of our society in Paul Corris's presidential address.

One of the most exciting components of this year’s meeting will be a series of lectures covering the hottest areas of scientific advances and their application in medicine and transplantation. These include the role that genomics and proteomics will play in the future management of our patients, an update on organ preservation systems and the continued promise of immune tolerance. We look forward to your attendance and active participation in this year’s meeting.

PHILIP K. CAVES AWARD SESSION

The 8 finalists for the Philip K. Caves Award will present their original research work in a dedicated session. This prestigious Award is named for the pioneer of the technique of transvenous endomyocardial biopsy. The $1000 prize is awarded to the best presentation by a resident/fellow/student who is first author of the abstract. Come and support
the best and brightest residents, fellows and graduate students – the future of our society - as they present their research findings and are judged for the winner of this prestigious award.

PRESIDENT’S GALA RECEPTION

The President’s Gala Reception will be held Friday, April 11, from 8:00 pm – 10:00 pm at the Boston Public Library, which is just across the street from the Marriott Copley Place. Please be sure to join us for this wonderful event. Founded in 1848, by an act of the Great and General Court of Massachusetts, the Boston Public Library (BPL) was the first large free municipal library in the United States. The present Copley Square location has been home to the Library since 1895, when architect Charles Follen McKim completed his "palace for the people." One ticket to the Gala Reception is included with each paid registration. Additional tickets may be purchased for $75 each.

CONTINUING MEDICAL EDUCATION INFORMATION

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 is accredited by the ACCME to provide continuing medical education for physicians. ISHLT designates this activity for a maximum of 31.50 hours in Category 1 credit toward the AMA Physician’s Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational 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. Only those indicating such a relationship are listed in the table below. All others have indicated they have no such relationship to disclose. These disclosures are printed below. 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.

Educational Objectives
The International Society for Heart and Lung Transplantation is a leading organization providing education for medical professionals involved in heart and lung transplantation. Because of the rapid advances in medicine in general and transplantation medicine specifically, transplant professionals are in need of regular opportunities to update and maintain their knowledge of advances and changes in transplant medicine. This meeting is designed to address their competence and performance in practice needs.

Goals
To enable participants to improve their competence and professional performance around current practices, emerging technologies, and medical advances related to heart and lung transplantation and end-stage heart and lung disease; and to provide a forum for participants to engage in discussion, debate, and examination regarding the efficacy and applicability of these current practices, emerging technologies, and medical advances.

Target Audience
The audience for this program includes physicians, surgeons, scientists, nurses, and transplant coordinators engaged in the practice of heart and lung transplantation, the management and treatment of heart and lung transplant recipients, the management and treatment of patients with end-stage heart or lung disease, basic science or clinical research related to these fields, or specialties which cause them to become involved in the treatment of transplant recipients or patients with end stage heart or lung disease.

Learning Objectives
At the conclusion of this meeting, participants should be able to:
1. Understand organ preservation/reperfusion techniques and their implications for organ viability, donor selection, and recipient outcomes
2. Identify, prevent, and improve treatment for post-transplant infectious diseases and other complications to improve patient outcomes
3. Compare and evaluate the advantages and disadvantages of various mechanical circulatory and respiratory support systems and their associated patient selection criteria
4. Describe the state-of-the-art in clinical heart and lung failure treatment and the criteria for and outcome implications of transplant versus medical therapy
5. Evaluate issues of controversy in the selection of candidates for heart and lung transplantation, such as age, prior transplantation, and systemic diseases
6. Compare and evaluate the advantages and disadvantages of various pharmacologic, non-pharmacologic, and biologic immunosuppression techniques
7. Understand the various methods of diagnosing, monitoring, and treating transplant rejection
8. Describe how psychosocial and behavioral issues impact clinical post-transplant outcomes and quality of life for patients
9. Identify current animal and other laboratory models relevant to the basic science of transplant immunobiology and discuss their application to the transplant setting
CONFLICT OF INTEREST DISCLOSURE

(see separate attachment)
The International Society for Heart and Lung Transplantation is most grateful for the educational grants and the support of

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Twenty-eighth Annual Meeting and Scientific Sessions
TEMPLATE

(see separate attachment)
SCIENTIFIC PROGRAM AND MEETING SCHEDULE

All meetings and activities will take place at the John B. Hynes Convention Center unless otherwise specified. All papers will be presented in English.

TUESDAY, APRIL 8, 2008

7:00 AM – 8:00 PM
Exhibition Hall Build /Large Booth Construction (Exhibit Hall A)

5:00 PM – 10:00 PM
ISHLTT Board of Directors Meeting (Marriott Hotel, New Hampshire Room)

6:00 PM – 9:00 PM
Registration Open (Boylston Hallway 3rd Floor)

6:00 PM – 9:00 PM
Slide Ready Room Open (Room 301)

WEDNESDAY, APRIL 9, 2008

7:00 AM – 8:30 AM
Corporate Partner Breakfast Briefing (Room 300)

7:00 AM – NOON
Exhibit Booth Set-Up (Exhibit Hall A)
Mounting of Posters #33 - 91 (Exhibit Hall A)

7:00 AM – 6:00 PM
Registration Open (Boylston Hallway 3rd Floor)

7:00 PM – 6:00 PM
Slide Ready Room Open (Room 301)

8:00 AM – 6:00 PM
Press Office Open (Room 308)

8:00 AM – 10:00 AM
SATELLITE SYMPOSIUM 1: Impact of MCS on Reverse Remodeling (Ballrooms A-C)
Chairs: O. Howard Frazier, MD and Robert C. Bourge, MD

8:00 AM Scientific Issues in Myocardial Recovery, Guillermo Torre-Amione, MD, PhD, The Methodist Hospital, Houston, TX

8:30 AM Markers for Myocardial Recovery, Hendrick Milting, PhD, Heart Center NRW/Klessmann Institute, Bad Oeynhausen, Germany

9:00 AM Adjuvant Therapy and MCS for Ventricular Recovery, Nicholas R. Banner, FRCP, Harefield Hospital, Harefield, United Kingdom

9:30 AM The German Experience with MCS Recovery Therapy, Roland Hetzer, MD, PhD, German Heart Institute, Berlin, Germany

8:00 AM – 10:00 AM
SATELLITE SYMPOSIUM 2: Cardiac Allograft Vasculopathy: Pathophysiology, Diagnosis, Prognosis and Therapy (Rooms 304-306)
Chairs: Heather J. Ross, MD, FRCPC, MHSC and Roberto Fiocchi, MD, PhD

8:00 AM Pathophysiology of Cardiac Allograft Vasculopathy: The Role of the Immune System, Alida Caforio, MD, PhD, University of Padova, Italy
8:20 AM Pathophysiology of Cardiac Allograft Vasculopathy: The Role of the Non-Immune Factors, Hannah A. Valantine, MD, Stanford University School of Medicine, Stanford, CA

8:40 AM Diagnostic and Prognostic Approaches to Cardiac Allograft Vasculopathy, Randall C. Starling, MD, MPH, Cleveland Clinic Foundation, Cleveland, OH

9:00 AM Therapeutic Strategies for the Prevention and Amelioration of Cardiac Allograft Vasculopathy, Howard J. Eisen, MD, Drexel University College of Medicine, Philadelphia, PA

9:20 AM Debate: Should We Perform Re-transplantation?
   Pro: Sharon A. Hunt, MD, Stanford University Medical Center, Stanford, CA
   Con: Haissam A. Haddad, MD, University of Ottawa Heart Institute, Ottawa, Canada

8:00 AM – NOON
SATellite Symposium 3: Challenges of Lung Transplantation in Cystic Fibrosis (Room 312)
Chairs: Andrew J. Fisher, MRCP, PhD and Shahid Husain, MD

8:00 AM Managing Cystic Fibrosis Liver Disease in Cystic Fibrosis Lung Transplant Candidates, Christiane Knoop, MD, Erasmus University Hospital, Brussels, Belgium

8:30 AM Psychosocial Issues in Cystic Fibrosis: Effect on Compliance, Diana Elizabeth Tullis, MD, FRCPC, St. Michael’s Hospital, Toronto, Canada

9:00 AM Emerging Infective Threats: Atypical Mycobacterium and Fungi, Margaret M. Hannan, MD, Mater Hospital, Dublin, Ireland

9:30 AM Biology of Burkoldheria Cepacia, Jane L. Burns, MD, University of Washington School of Medicine, Seattle, WA

10:00 AM Coffee Break

10:30 AM Debates
Chairs: Kate Gould, FRCPath and Dennis Hadjiliadis, MD

10:30 AM Debate A: Antibiotic Synergy Testing Improves Outcomes After Lung Transplantation in Cystic Fibrosis
   North American Perspective: Cecelia Chaparro, MD, Toronto General Hospital, Toronto, Canada
   European Perspective: Juliet E. Foweraker, PhD, FRCPath, Papworth Hospital, Cambridge, United Kingdom

11:00 AM Debate B: Burkoldheria Cenocepacia is an Absolute Contraindication to Transplantation
   Pro: Duane Davis, MD, Duke University Medical Center, Durham, NC
   Con: Redha R. Souilemas, MD, European Georges Pompidou Hospital, Paris, France

11:30 AM Panel Discussion

8:00 AM – 10:00 AM
SATellite Symposium 4: Innate Immunity and Transplant Rejection (Room 302)
Chairs: Susan D. Moffatt-Bruce, MD, PhD and Tim Lee, PhD

8:00 AM Toll-Like Receptors and Their Role in Transplantation, Daniel R. Goldstein, MD, Yale New Haven Hospital, New Haven, CT

8:30 AM The Varied Faces of Natural Killer Cells in Transplantation – Contributions to Both Allograft Immunity and Tolerance, Ronald G. Gill, PhD, University of Alberta, Edmonton, Canada

9:00 AM Coagulation Pathways: An Important Relationship to Transplant Rejection, Simon C. Robson, MD, PhD, Harvard University, Boston, MA

9:30 AM The Interaction of Neutrophils and mT-cells in Allograft Injury, Robert Fairchild, PhD, Cleveland Clinic Foundation, Cleveland, OH
8:00 AM – 10:00 AM
**SATELLITE SYMPOSIUM 5: Cultural Diversity In Thoracic Transplantation (Room 311)**
*Chairs: Susan M. Chernenko, MN and Catherine M. Murks, RN, APN*

8:00 AM Thoracic Transplantation in a Global Society: Issues and Barriers, Roger W. Evans, PhD, Rochester, MN
8:30 AM Making Sense of Cultural Differences: Directions for the Transplant Professional, Christiane Kugler, PhD, MSc, RN, Hannover Medical School, Hannover, Germany
9:00 AM Transplanting Foreign Nationals – Truth or Consequences! Katrina A. Bramstedt, PhD, California Pacific Medical Center, San Francisco, CA
9:30 AM Spirituality and Healthcare: Views of Health, Illness and End-of-Life, Derek Strachan, Toronto General Hospital, Toronto, Canada
10:00 AM Nursing and Social Science Perceptions of Transplanting Foreign Nationals: Case Studies in Multiculturalism in Transplantation
   a) Preconceived Notions and Misperceptions: Dealing with the Misinformed, Rina Murao, University of Chicago, Chicago, IL
   b) Boundaries and Ethics: Integrating the Culture When the Culture is Yours, Rina Murao, University of Chicago, Chicago, IL

8:00 AM – 10:00 AM
**SATELLITE SYMPOSIUM 6: Strategies to Improve Donor Availability in Children (Room 310)**
*Chairs: Bill A. Pietra, MD and Christian Benden, MD*

8:00 AM Cardiac Donation After Cardiac Death, Mark M. Boucek, MD, Joe DiMaggio Children's Hospital, Hollywood, FL
8:20 AM Update on Fetal Listing 2007, Anne I. Dipchand, MD, Hospital for Sick Children, Toronto, Canada
8:40 AM Expansion of ABO-Incompatible Donors, Lori J. West, MD, DPhil, University of Alberta, Edmonton, Canada
9:00 AM Strategies for Improving Lung Donation, Stuart C. Sweet, MD, PhD, Washington University, St. Louis, MO
9:20 AM Debate: Highly Sensitized State and Positive Cross-Match are Never a Contraindication to Pediatric Heart Transplantation
   Pro: Charles E. Canter, MD, St. Louis Children's Hospital, St. Louis, MO
   Con: Steven A. Webber, MB ChB, Children's Hospital of Pittsburgh, Pittsburgh, PA

10:00 AM – 10:15 AM
Coffee Break (Boylston Hallway, 3rd Floor)

10:15 AM – 12:15 PM
**SATELLITE SYMPOSIUM 7: Mechanical Circulatory Support as a Permanent Solution in Advanced Heart Failure (Ballrooms A-C)**
*Chairs: James K. Kirklin, MD and Carmelo Milano, MD*

10:15 AM Output Strategies in Long Term Mechanical Circulatory Support Training, James W. Long, MD, PhD, Intermountain Medical Center, Murray, UT
10:45 AM Challenges in Patient Selection, Lynne W. Stevenson, MD, Brigham & Women’s Hospital, Boston, MA
11:15 AM Current Outcomes in Destination Therapy, Mark S. Slaughter, MD, Advocate Christ Medical Center, Oak Lawn, IL
11:45 AM Rotary Pumps as Destination Therapy, Aly El-Banayosy, MD, Heart Center NRW, Bad Oeynhausen, Germany

NOON Panel Discussion
10:15 AM – 12:15 PM
SATellite symposium 8: Antibodies and Autoimmunity (Rooms 304-306)

Chairs: Marlene Rose, PhD and Adriana Zeevi, PhD

10:15 AM B Cell Memory, Marilia Cascalho, MD, PhD, University of Michigan, Ann Arbor, MI

10:45 AM Role of Complement in Antibody Mediated Damage, William M. Baldwin, III, MD, PhD, Johns Hopkins University, Baltimore, MD

11:15 AM Endothelial Cell Response to Complement, Jeffrey L. Platt, MD, University of Michigan, Ann Arbor, MI

11:45 AM Autoimmunity to Collagen V in Lung Transplant Rejection, David S. Wilkes, MD, Indiana University School of Medicine, Indianapolis, IN

10:15 AM – 12:15 PM
SATellite symposium 9: Causes, Cures? and Controversies in Pulmonary Arterial Hypertension (Room 302)

Chairs: Steven M. Kawut, MD and Myung H. Park, MD

Supported by an unrestricted educational grant from Gilead

10:15 AM Novel Mechanisms/Pathogenesis, Rubin M. Tuder, MD, University of Colorado, Denver, CO

10:45 AM Novel Therapeutic Pathways, Jean Luc Vachiery, MD, Erasme University Hospital, Brussels, Belgium

11:15 AM End-Points of Therapy and Risk Assessment, Raymond L. Benza, MD, University of Alabama at Birmingham, Birmingham, AL

11:45 AM Predictors of Mortality and Outcome, Reda Girgis, MB, BCh, Johns Hopkins University, Baltimore, MD

10:15 AM – 12:15 PM
SATellite symposium 10: Quality of Life after Lung Transplantation (Room 311)

Chairs: Roger D. Yusen, MD, MPH, FCCP and Lianne G. Singer, MD, FRCPC

10:15 AM Survival Effects of Lung Transplantation in the United Kingdom Transplant and Eurotransplant Allocation Systems, Linda D. Sharples, PhD, Papworth Hospital, Cambridge, United Kingdom

10:40 AM Survival Effects of Lung Transplantation in the UNOS Organ Allocation System, Edward R. Garrity, Jr., MD, University of Chicago Hospitals and Clinics, Chicago, IL

11:00 AM Quality-Adjusted Survival (utility assessment) in Patients Undergoing Lung Transplantation, Roger D. Yusen, MD, MPH, FCCP, Washington University, St. Louis, MO

11:20 AM Using Quality of Life Measurement for Lung Allocation, Lianne G. Singer, MD, FRCPC, Toronto General Hospital, Toronto, Canada

11:40 AM Panel Discussion

11:50 AM Question and Answer

10:15 AM – 12:15 PM
SATellite symposium 11: Emerging Concepts in Graft Remodeling (Room 310)

Chairs: Marshall I. Hertz, MD and Rene Rodriguez, MD

10:15 AM Endothelial to Mesenchymal Transition in Cardiac Fibrosis - Implications for Allografts, Elisabeth M. Zeisberg, MD, Harvard University, Boston, MA

10:45 AM Inflammation, IFN-gamma and Coronary Artery Disease Before and After Transplantation, George Tellides, MD, DPhil, Yale University School of Medicine, New Haven, CT
11:15 AM Epithelial to Mesenchymal Transition in Renal and Liver Transplantation, John A. Kirby, PhD, Newcastle University, Newcastle, United Kingdom

11:45 AM Epithelial to Mesenchymal Transition in Lung Fibrosis Before and After Transplantation, Andrew J. Fisher, MRCP, PhD, Freeman Hospital, Newcastle, United Kingdom

NOON – 7:15 PM
Exhibit Hall Open (Exhibit Hall A)

12:30 PM – 2:00 PM
LUNCH SYMPOSIUM: The Dream of Tolerance in Heart and Lung Transplantation (Ballrooms A-C)
Supported by an unrestricted educational grant from XDx
Chairs: Thomas D. Wekerle, MD and Richard N. Pierson, III, MD

12:30 PM Visualizing Transplant Tolerance, Terry B. Strom, MD, Harvard University Medical School, Boston, MA

12:50 PM The Fortunate Few in Kidney Transplantation, Minnie Sarwal, PhD, Stanford University School of Medicine, Stanford, CA

1:10 PM Clinical Tolerance: Realizing the Dream for Heart and Lung Transplantation, Joren C. Madsen, MD, DPhil, Massachusetts General Hospital, Boston, MA

1:30 PM Minimizing Immunosuppression in Thoracic Transplantation Using Non-invasive Monitoring, Daniel Bernstein, MD, Stanford University, Stanford, CA

12:30 PM – 2:00 PM
FELLOWS LUNCHEON (pre-registration required) (Room 300)

2:15 PM - 4:15 PM
OPENING PLENARY SESSION (Ballrooms A-C)
Chairs: Paul A. Corris, MB FRCP and Lori J. West, MD, DPhil

2:15 PM Welcome, Paul A. Corris, MP FRCP, President, ISHLT and Lori J. West, MD, DPhil, Scientific Program Chair

2:20 PM ISHLT International Thoracic Transplant Registry Report, Marshall I. Hertz, MD, University of Minnesota, Minneapolis, MN

2:45 PM Invited Lecture: B-cell Biology and its Importance in Thoracic Transplantation, Garnet Kelsoe, DSc, Duke University, Durham, NC

3:15 PM (1) Featured Abstract: Luminex Detected Pre-Formed Donor Specific HLA Antibodies Predict Lung Allograft Failure; J.D. Smith,1 H. Newell,1 A.J. Danskine,1 M. Carby,1 M.L. Rose,1 1Transplant Immunology, Harefield Hospital, Harefield, Middx, United Kingdom

3:30 PM (2) Featured Abstract: Virtual Crossmatch Should Be Utilized in Sensitized Patients To Improve Organ Allocation; J. Stehlik,1 N. Islam,1 D. Hurst,1 A. Fuller,1 J.C. Delgado,1 L. Ellinger,1 M.A. Movsesian,1 A. Kfoury,1 E.M. Gilbert,1 F. Bader,1 P. Fisher,1 D.G. Renlund,1 M.E. Hammond,1 D. Bull,1 A. Singhal,1 D.D. Eckels,1 1U.T.A.H. Cardiac Transplant Program, Salt Lake City, UT

3:45 PM Invited Lecture: Evolving Therapies for Humoral Rejection, Thomas F. Tedder, PhD, Duke University, Durham, NC

4:15 PM – 4:45 PM
Coffee Break (Exhibit Hall A)

4:45 PM - 6:15 PM
CONCURRENT SESSION 1: Matching Patient to Machine in Circulatory Support (Ballrooms A-C)
Chairs: James B. Young, MD and Robert SD Higgins, MD
4:45 PM (3) Pre-Implant Patient Triage Using Patient Status with INTERMACS Patient Profiles: Can We Refine Selection Strategy for MCS?; F.D. Pagani,1 L. Warner Stevenson,2 K.L. Ulisney,3 V. Jeevanandam,4 J.J. Teuteberg,5 M.T. Camacho,6 T. Martin,7 K. Aronson,8 D.C. Nafiel,9 J.K. Kirklin,10 University of Michigan, Ann Arbor, MI; 1Brigham and Womens Hospital, Boston, MA; 2National Heart Lung and Blood Institute, Bethesda, MD; 3University of Chicago, Chicago, IL; 4University of Pittsburgh, Pittsburgh, PA; 5Newark Beth Israel Medical Center, Newark, NJ; 6University of Alabama at Birmingham, Birmingham, AL

5:00 PM (4) Patients with Mechanical Circulatory Support (MCSD): Is Implant Strategy Static or Dynamic?; M. Jessup,1 L. Warner Stevenson,2 P. Desvigne-Nickens,3 J. Young,4 M. Acker,5 C. Milano,6 S. Wissman,7 O.H. Frazier,7 D.C. Nafiel,9 J.K. Kirklin,10 Hospital of the University of Pennsylvania, Philadelphia, PA; 2Brigham and Women's Hospital, Boston, MA; 3NHLBI, Washington, DC; 4Cleveland Clinic, Cleveland, OH; 5Duke University Medical Center, Durham, NC; 6Ohio State University Medical Center, Columbus, OH; 7Texas Heart Institute, Houston, TX; 8University of Alabama at Birmingham, Birmingham, AL

5:15 PM (5) Preoperative Application of Modified Sequential Organ Failure Assessment Score (SOFA) in Prediction of Early Postoperative Mortality after Implantation Ventricular Assist Devices (VAD); N. Qedra,1 T. Drews,1 K. Yilmaz,1 T. Gromann,1 H. Kuppe,2 R. Hetzer,3 1The Department of Cardiothoracic and Vascular Surgery, German Heart Institute (DHZB), Berlin, Germany; 2The Department of Anesthesiology, German Heart Institute (DHZB), Berlin, Germany

5:30 PM (6) Left Ventricular Assist Devices Provide Renal Protection in Patients Awaiting Heart Transplantation; S.C. Ennis,1 G.V. Moukarbel,1 T.E. MacGillivray,1 1Cardiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA; 2Cardiac Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA

5:45 PM (7) A Preoperative Clinical Risk Score To Predict Mortality Post-LVAD Implantation; S. Klotz,1 C. Riehl,1 H.H. Scheld,1 1Dept. of Thoracic and Cardiovascular Surgery, University Hospital Muenster, Muenster, Germany

6:00 PM (8) Can Continuous Flow LVADs Provide a Similar Level of Circulatory Support as Pulsatile LVADs for Large Patients?; R. John,1 A.J. Boyle,1 T.E. MacGillivray,1 J.G. Rogers,2 L. Chen,3 D.J. Goldstein,2 D.J. Farrar,1 F.D. Pagani,8 1Department of Surgery, University of Minnesota, Minneapolis, MN; 2Massachusetts General Hospital, Boston, MA; 3Duke University Medical Center, Durham, NC; 4University of Rochester, Rochester, NY; 5Montifiore Medical Center, Bronx, NY; 6Sharp Memorial Hospital, San Diego, CA; 7Thoratec Corporation, Pleasanton, CA; 8University of Michigan, Ann Arbor, MI

4:45 PM - 6:15 PM CONCURRENT SESSION 2: Clinical Heart Transplantation: Anti-donor Antibodies (Rooms 304-306)

4:45 PM (9) MICA-Antibodies Predict the Risk for Acute and Chronic Rejection after Heart Transplantation; I. Kaczmarek,1 T. Kauke,1 M. Schmoeckel,1 A. Beiras-Fernandez,1 P. Ueberfuhr,1 B. Meiser,1 B. Reichart,1 1Cardiac Surgery, Grosshadern University Hospital, Munich, Germany; 2Laboratory for Immunogenetics, Grosshadern University Hospital, Munich, Germany

5:00 PM (10) Incidence and Effect of Pre-Formed Antibodies to MICA in Cardiac Transplantation; V.M. Brunner,1 J.D. Smith,1 S. Jigjidsuren,1 N.R. Banner,1 M.L. Rose,2 1Transplant Immunology, Harefield Hospital, Harefield, Middlesex, United Kingdom; 2National Heart and Lung Institute, Imperial College, Harefield, Middlesex, United Kingdom

5:15 PM (11) 4D Fixing, Luminox Binding Antibodies – A New Tool for Prediction of Graft Failure after Heart Transplantation; J.D. Smith,1 I.M. Hamour,2 N.R. Banner,1 M.L. Rose,2 1Transplant Immunology, Harefield Hospital, Harefield, Middlesex, United Kingdom; 2National Heart and Lung Institute, Imperial College, Harefield, Middlesex, United Kingdom

5:30 PM (12) Successfully Treated Pre-Transplant Sensitized Patients Have Favorable Post-Transplant Outcomes; J.A. Kobashigawa,1 E. Reed,1 E. Sue,1 J.K. Patel,1 M.M. Kittleson,1 M.A. Kawano,1 K.K. Kiyosaki,1 A. Ardebali,1 1Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA; 3Pathology, David Geffen School of Medicine at UCLA, Los Angeles, CA

5:45 PM (13) Does the Presence of Recipient Antibodies to HLA Antigens or Positive Pre-Transplant Virtual Crossmatch Predict Rejection after Cardiac Transplantation?; K. Krishan,1 M.J. Gandhi,1 B. Moore,1 S.R. DeGoey,2 B.S. Edwards,1 N.L. Pereira,1 A.L. Clavell,1 S.J. Park,1 N.A. Ploeger,1 D.V. Miller,1 C.G.A. McGregor,1 R.C. Daly,1 1William J. von Liebig Transplant Center, Mayo Clinic, Rochester, MN
6:00 PM (14) Human Leukocyte Antigen (HLA) Matching and Blood Group Identity/Compatibility and Heart Transplant Survival across Twenty Years: What Matters Early, What Matters Late?; B. Pavlovic-Surjanec,1 P. Ezidimna,1 N. Patel,1 J. Sinacore,1 A. Janabi,1 B. Suisskind,1 N. Neuswanger,1 L. Dusek,1 A. Hrous,2 Heart Failure/Heart Transplant Program, Loyola University Medical Center, Maywood, IL

4:45 PM - 6:15 PM
CONCURRENT SESSION 3: Does Rapamycin Have a Future? (Room 312)

Chairs: Eric Steedly, MD and Anne M. Keogh, MBBS, MD

4:45 PM (15) Results of a 12-Month, Multicenter, Randomized Trial of Everolimus with Reduced-Exposure Cyclosporine Versus MMF and Standard-Exposure Cyclosporine in De Novo Cardiac Transplant Recipients; H. Lehmkuhl,1 U. Livi,2 J. Arzon,3 M. Viganò,4 C. Magelli,5 R. Guillemin,1 S. Varnous,4 G. Gerosa,6 A. Poncet,7 J. Vanhauwe,8 Y. Li,9 Y. Gezahagen,1 University of Heidelberg, Heidelberg, Germany; Policlinico S. Matteo -IRCCS Università degli Studi di Pavia, Pavia, Italy; Az. Osp. di Bologna Policlin. S. Orsola - Malpighi, Bologna, Italy; Hospital Universitario Reina Sofia, Córdoba, Spain; Policlinico S. Matteo -IRCCS Università degli Studi di Pavia, Pavia, Italy; Az. Osp. di Bologna Policlin. S. Orsola - Malpighi, Bologna, Italy; Hopital Pitié Salpêtrière, Paris, France; Hopital Pitié Salpêtrière, Paris, France; Ospedale S. Camillo-Forlanini-Azienda Ospedaliera Circonvallazione, Rome, Italy; Service Chirurgie Thoracique Cardiovasculaire, Hopital Pitié Salpêtrière, Paris, France; UZ Gasthuisberg, Leuven, Belgium; 11Novartis Pharmaceuticals Corporation, East Hanover, NJ

5:00 PM (16) Concentration-Controlled Everolimus in De Novo Heart Transplant Patients: Incidence of CMV Infection at 12 Months Post-Transplant in a Randomized Trial; T. Dengler,1 M. Viganò,2 C. Magelli,3 R. Guillemin,4 S. Varnous,5 G. Gerosa,6 A. Poncet,7 J. Vanhauwe,8 Y. Li,9 Y. Gezahagen,1 University of Heidelberg, Heidelberg, Germany; Dutchess Medical Center, New York, NY; Policlinico S. Matteo -IRCCS Università degli Studi di Pavia, Pavia, Italy; Az. Osp. di Bologna Policlin. S. Orsola - Malpighi, Bologna, Italy; Européen Georges Pompidou, Paris, France; Hopital Pitié Salpêtrière, Paris, France; 1Azienda Ospedaliera di Padova - Università degli Studi, Padova, Italy; Cliniques Universitaires Saint Luc, Brussels, Belgium; UZ Gasthuisberg, Leuven, Belgium; 1Novartis Pharma AG, Basel, Switzerland

5:15 PM (17) De Novo Concentration-Controlled Everolimus Is Associated with a Decreased Incidence of CMV Infection in Cardiac Transplant Recipients; C. Bara,6 S.-S. Wang,7 A. Zuckermann,8 H. Ross,9 M. Frigerio,10 H.J. Eisen,6 G. Lafer,6 M. Cotrofo,10 A.M. Keogh,11 Thorax-, Herz- und Gefäßchirurgie, Medizinische Hochschule Hannover, Hannover, Germany; Division of Cardiovascular Surgery, University of Taiwan, Taipei, Taiwan; University of Vienna General Hospital, Vienna, Austria; Deutsches Herzzentrum Berlin, Berlin, Germany; 1Department of Cardiology, Toronto General Hospital, Toronto, Canada; 2Divisione di Cardiologia Padiglione A. De Gasperis, Az. Osp. Niguarda Ca’ Granda, Milan, Italy; 3Division of Cardiology, Drexel University College of Medicine, Philadelphia; 4Department of Cardiac Surgery, Innsbruck Medical University, Innsbruck, Austria; 5Dipartimento di Scienze Cardio-Toraciche e Thoracique, Assistance Publique Hôpitaux de Paris, Paris, France; 6Hospital Pitié Salpêtrière, Paris, France; 7Heart Lung Transplant Unit, St Vincent’s Hospital, Darlinghurst, Australia

5:30 PM (18) Sirolimus as Primary Immunosuppressant Attenuates Left Ventricular Hypertrophy and Improves Diastolic Function in Cardiac Transplant Recipients; E. Raichlin,1 K. Chandrasekaran,1 K.K. Walter,1 A.L. Clavell,1 R.J. Rodheffer,1 N.L. Pereira,1 R.P. Frantz,1 J.A. Wagner,1 C.C. McGregor,1 R.C. Daly,1 B.S. Edwards,1 S.S. Kushwaha,1 William J. Von Liebig Transplant Center, Mayo Clinic, Rochester, MN

5:45 PM (19) Impact of ACE-Inhibitor and Angiotensin Receptor Blocker Therapy on Development of Proteinuria after Switch to Sirolimus in Cardiac Transplant Recipients; A.Z. Aliabadi,1 E. Pohanka,2 D. Dunkler,1 M.E. Paireder,1 S.L. Mahr,1 M. Grömm,1 G. Seebacher,1 D. Zimpfer,1 S. Roedler,1 E. Wolner,1 M. Grimm,1 A.O. Zuckermann,1 1Department of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria; 2Department of Nephrology, Krankenhaus Universitaetkliniken, Vienna, Austria; 3Department of Cardiology, Universitätsklinikum Koblenz, Koblenz, Germany; 4Policlinico S. Matteo -IRCCS Università degli Studi di Pavia, Pavia, Italy; 5Az. Osp. di Bologna Policlin. S. Orsola - Malpighi, Bologna, Italy; 6Hopital Pitié Salpêtrière, Paris, France; 7Heart Lung Transplant Unit, St Vincent’s Hospital, Darlinghurst, Australia

6:00 PM (20) Effects of Everolimus on the Development of Microvascularopathy after Heart Transplantation; N.E. Hiemann,1 H.B. Lehmkuhl,1 E. Wellnhofer,1 C. Knosalla,2 R. Hetzer,2 R. Meyer,3 1Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; 2Deutsches Herzzentrum Berlin, Berlin, Germany

4:45 PM - 6:15 PM
CONCURRENT SESSION 4: Predicting Outcomes After Clinical Lung Transplantation (Room 302)

Chairs: Jonathan B. Orens, MD and Anthony B. Roman, PhD

4:45 PM (21) Clinical Risk Factors for the Development of Primary Graft Dysfunction; J.C. Lee,1 C. Kuntz,2 S.M. Kanav,1 D. Hadjiiliadis,1 V.N. Ayha,3 K.M. Wille,5 V.N. Lama,4 A. Milstone,1 L.B. Ware,1 J. Orens,6 A. Shah,7 A. Weinacker,1 E. Denisie,1 J.D. Christie,1 1Pulmonary, Allergy, and Critical Care, University of Pennsylvania, Philadelphia, PA; 2Pulmonary, Allergy, and Critical Care, Columbia University, New York, NY; 3Pulmonary, Allergy, and Critical Care, University of Alabama at Birmingham, Birmingham, AL; 4Internal Medicine, Pulmonary Division,
5:00 PM (22) Risk Factors for Death Due to Primary Graft Dysfunction in Adult Lung Transplantation; J.S. Ganesh, C.A. Rogers, N.R. Banner, B.S. Bonser. On Behalf of the Steering Group, UK Cardiothoracic Transplant Audit, Clinical Effectiveness Unit, The Royal College of Surgeons of England, London, United Kingdom


5:30 PM (24) Cytomegaloviral and Rhinoviral Co-Infection Is a Distinct Risk for Acute Rejection in Lung Transplantation; F. Calabrese, F. Lunardi, G. Marulli, M. Loy, C. Schiraldi, M. Valente, F. Rea. Medical Diagnostic Sciences and Special Therapies, University of Padua, Padua, Italy; Cardiothoracic Sciences, University of Padua, Padua, Italy

5:45 PM (25) The Modification of Diet in Renal Disease (MDRD) Formula Predicts Kidney Failure after Lung Transplantation; N. Al-Naamani, O.H. Maarouf, J.S. Wilt, F. D’Ovidio, J.R. Sonett, C.M. Arcasoy, T.L. Nickolas. Medicine, Division of Pulmonary Allergy and Critical Care, Columbia University, College of Physicians and Surgeons, New York, NY; Surgery, Division of Cardiothoracic Surgery, Columbia University, College of Physicians and Surgeons, New York, NY; Medicine, Division of Nephrology, Columbia University, College of Physicians and Surgeons, New York, NY

6:00 PM (26) Effect of Non-Adherence to Home Spirometry on Graft Survival and Bronchiolitis Obliterans Syndrome (BOS) after Lung Transplantation; J. Gottlieb, C. Kugler, T. Fuehner, A.R. Simon, T. Welte. Respiratory Medicine, Hannover Thoracic Transplant Program, Hannover, Germany; Cardiothoracic Transplantation and Vascular Surgery, Hannover Thoracic Transplant Program, Hannover, Germany

4:45 PM - 6:15 PM

CONCURRENT SESSION 5: Immunobiology of Lung Transplant and Rejection (Room 311)


5:15 PM (28) Maintenance of Canonical I-KB Kinase Activity Is Required To Prevent Lung Graft Injury; H.J. Huang, S. Sugimoto, J. Lai, N.A. Das, M. Okazaki, G.A. Patterson, D. Kreisel, A.E. Gelman. Department of Internal Medicine, Washington University School of Medicine, Saint Louis, MO; Department of Surgery, Washington University School of Medicine, Saint Louis, MO

5:30 PM (29) Role of Vascular Endothelial Growth Factor-C in Experimental Obliterative Airway Disease; R. Krebs, J.M. Tikkanen, A.I. Nykänen, K. Alitalo, S. Ylä-Herttuala, P.K. Koskinen, K.B. Lemström. Transplantation Laboratory, University of Helsinki, Helsinki, Finland; Molecular Cancer Biology Laboratory, University of Helsinki, Helsinki, Finland; A.I. Virtanen Institute for Molecular Sciences, University of Kuopio, Kuopio, Finland


6:00 PM (32) Nitrite Protects Rat Lung Grafts from Ischemia/Reperfusion Injury Via Xanthine Oxidoreductase (XOR); R. Sugimoto, A. Nakao, J. Kohmoto, Y. Wang, M.T. Gladwin, T.R. Billiar, K.R. McCurry. Department of Surgery, Heart, Lung and Esophageal Surgery Institute, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA; Vascular Medicine Branch and Critical Care Medicine Department, NIH, Bethesda, MD; Department of Surgery, University of Pittsburgh, Pittsburgh, PA
Fever in Recipients Waiting for an Urgent Heart Transplantation. Should Be Heart Transplantation Contraindicated?; M.J. Garcia Monge, M.G. Crespo-Leiro, M.J. Paniagua, L. Boutureira, M. Mourelo, M. El Diasty, J.M. Lopez, S. Fojon, S. Pertega, J. Muniz, J.A. Rodriguez, C. Naya, A. Castro, Heart Transplantation Unit, Juan Canalejo Hospital, La Coruna, Spain

Infections in Heart Transplant Recipients: Focus on Chagas' Heart Disease; H.L. Godoy, C.M. Guerra, A.C. Carvalho, D.R. Almeida, Medicine Department - Cardiology Division, Federal University of Sao Paulo, Sao Paulo, SP, Brazil; Medicine Department - Infectious Disease Division, Federal University of Sao Paulo, Sao Paulo, SP, Brazil

Low Dose Valganciclovir for CMV Prophylaxis after Lung Transplantation; H.S. Khurana, G. Chaux, A. Kole, J. Falk, S. Simsr, W. Cheng, R.M. Kass, J. Khurana, G. Soohoo, Pulmonary and Critical Care, Cedars Sinai Medical Center, Los Angeles, CA; Heart Transplantation, Cedars Sinai Medical Center, Los Angeles, CA; Pulmonary and Critical Care, West Los Angeles VA Healthcare Center, Los Angeles, CA

Epstein-Barr Virus Reactivation Is Associated with Mild Clinical Symptoms during the Posttransplant Period of Lung Transplant Recipients; I. Engelmann, J. Gottlieb, N. Hesse, C. Fegbeutel, M. Strueber, T.F. Schulz, T. Welte, A. Haverich, A.R. Simon, F. Mattner, Virology, Hannover Medical School, Hannover, Germany; Respiratory Medicine, Hannover Medical School, Hannover, Germany; Thoracic Surgery, Hannover Medical School, Hannover, Germany; Hospital Epidemiology and Infection Control, Universitaet zu Luebeck, Luebeck, Germany

Incidence of Upper and Lower Airway Viral Infections in a Cohort of Lung Transplant Recipients (LTRs); E. Bini, C. Lastoria, A. Cascina, D. Lilleri, T. Oggiomioni, F. Meloni, Dept. Respiratory Diseases, University of Pavia-Policlinico S. Matteo, Pavia, Italy; Virology, University of Pavia-Policlinico S. Matteo, Pavia, Italy

Comparison of Voriconazole Versus a Combination of Voriconazole and Caspofungin as Primary Therapy for Suspected Invasive Aspergillosis in Lung Transplant Recipients; C. Fegbeutel, F. Mattner, H. Weissbrodt, J. Gottlieb, M. Strueber, T. Welte, A. Haverich, A. Simon, Department of Thoracic Surgery, Medical School Hannover, Hannover, Germany; Hospital Epidemiology and Infection Control, Universitaet zu Luebeck, Luebeck, Germany; Department of Pulmonary Medicine, Medical School Hannover, Hannover, Germany; Medical Microbiology, Medical School Hannover, Hannover, Germany

Use of a Murine Transcutaneous Ventricular Assist Device Driveline Model To Characterize S. epidermidis SDRF Binding; M. von Bayern, C. Arrecubieta, I. Matsunaga, S. Oz, M. Cadieras, Y. Naka, M. Deng, F. Lowy, T. Asahi, Medic, Columbia University, New York, NY; Surgery, Columbia University, New York, NY; Division of Infectious Diseases, Columbia University, New York, NY; Pathology, Columbia University, New York, NY

In Vitro Activity of Taurolin Against Filamentous Fungi Isolated from Lung Transplant Patients; G. Short, A. Nicholson, S. Pearl, C. Rennison, J.D. Perry, K.F. Gould, Microbiology Department, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

Outcomes Following Staphylococcus aureus Respiratory Infections in Lung Transplant Recipients Treated with Oral Linezolid Versus Intravenous Vancomycin; M.M. Crespo, S. Husain, J.M. Pilewski, J. Kim, K.R. McCurry, B.A. Johnson, S.M. Studer, Pulmonary, Allergy and Critical Care, University of Pittsburgh Medical Center, Pittsburgh, PA; Infectious Disease, University of Pittsburgh Medical Center, Pittsburgh, PA; Cardiothoracic Department, University of Pittsburgh Medical Center, Pittsburgh, PA

Lactobacillus Acidophilus May Help To Decrease Recurrences and Ameliorate Severity of C. difficile-Associated Diarrhea in Lung Transplant Recipients; R.K. Avery, A. Mehta, S.K. Schmitt, S.B. Mossad, A.J. Taege, R. Corey, S. Murthy, G. Pederson, M. Budey, Infectious Disease, Cleveland Clinic, Cleveland, OH; Pulmonary and Critical Care Medicine, Cleveland Clinic, Cleveland, OH; Pharmacy, Cleveland Clinic, Cleveland, OH; Thoracic Surgery, Cleveland Clinic, Cleveland, OH

Renal Improvement after Overnight Conversion to Calcineurin-Free Immunosuppression within the First Year after Heart Transplantation: Preliminary Data after Maintenance Therapy with Everolimus; E. Gude, L. Gullestad, A.E. Fiane, I. Grov, S. Arora, O.R. Geiran, A.K. Andreassen, Dept of Cardiology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; Dept of Thoracic and Cardiovascular Surgery, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway
(44) mTOR Inhibitors (mTOR-I) and Proteinuria after Lung Transplantation; P. Ussetti, M.C. Carreno, C. Garcia-Gallo, R. Laporta, G. Mora, C. García-Fadul, B. Sanchez, M.J. Ferreiro, A. Varela, Pneumology, Clinica Puerta de Hierro, Madrid, Spain

(45) Combination of Everolimus with Low-Dose Calcineurin-Inhibitors in Lung Transplant Recipients with Chronic Renal Insufficiency; M.A.R. Hoda, P. Jaksh, B. Zwyetick, S. Taghavi, G. Lang, C. Aigner, M. Gaugg, M. Keppler, W. Klepeiko, Department of Cardio-Thoracic Surgery, Medical University Vienna, Vienna, Austria

(46) Interventricular Dyssynchrony in Pulmonary Arterial Hypertension: Evidence for Early Right Ventricular and Septal Mechanical Activation; D.J. Schwartz, M.R. Mehra, M.H. Park, W.J. Kop, M.R. Vesely, S.Y. Li, J.S. Gottdiener, Cardiology, University of Maryland, Baltimore, MD

(47) Clinical Impact and Prognosis of Supraventricular Tachycardias in Pulmonary Arterial Hypertension; M.J. Ruiz-Cano, P. Escribano, F. Arribas, J. Delgado, A. Flox, V. Suberviola, C. Saenz de la Calzada, Pulmonary Hypertension Unit, Cardiology Department, Hospital Universitario 12 de Octubre, Madrid, Spain

(48) Lung Transplantation in Lymphangioleiomyomatosis (LAM) ¿Which Is the Best Surgical Procedure?; G. Mora, P. Ussetti, C. Garcia-Fadul, C. Garcia-Gallo, R. Laporta, M.C. Carreno, A. De Pablo, M.J. Ferreiro, A. Varela, Pneumology, Hospital Puerta de Hierro, Madrid, Spain; Internal Medicine, Hospital Puerta de Hierro, Madrid, Spain; Cardiotoracic Surgery, Hospital Puerta de Hierro, Madrid, Spain

(49) 97 Days Novalung ILA Membrane Ventilation for Type II Respiratory Failure as Bridge for Lung Transplantation; W.R. Bartosik, A.W. Soo, L. Nolke, J.F. McCarthy, A.E. Wood, J.J. Egan, Lung Transplant Programme, Mater Misericordiae University Hospital, Dublin, Ireland

(50) Lung Function after Single Lung Transplantation (SLTx): Emphysema Versus Pulmonary Fibrosis; C.H. Wigfield, M.A. Chaudhry, T. Small, G. Parry, J.H. Dark, P.A. Corris, A.J. Fisher, Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, England, United Kingdom; Institute of Cellular Medicine, Newcastle University, Newcastle upon Tyne, England, United Kingdom

(51) Effects of Native Lung Physiology (Obstructive vs. Restrictive) on Graft Volume after Single-Lung Transplantation (SLT); M. Estenne, D. Kienzl, C. Knoop, M. Dumonceaux, P. Jaksh, W. Klepeko, A. Bankier, Lung Transplantation Unit and Dpt of Thoracic Surgery, Erasme Hospital, Brussels, Belgium; Radiology, Medical University of Vienna, Vienna, Austria; Lung Transplantation Unit and Dpt of Surgery, Medical University of Vienna, Vienna, Austria; Radiology, Beth Israel Deaconess Medical Center, Boston, MA

(52) Techniques for Bronchial Anastomosis in Lung Transplantation; M. Kamler, K. Tsagakis, K. Pilarczyk, N. Pizanis, U. Herold, H. Jakob, Department of Thoracic and Cardiovascular Surgery, West German Heart Center Essen, University Hospital Essen, Essen, Germany

(53) Changes in Adult Lung Transplantation: A UK Survey; J. Thekkudan, C. Rogers, H.L. Thomas, N.R. Banner, R.S. Bonser, On Behalf of the Steering Group, UK Cardiothoracic Transplant Audit, Clinical Effectiveness Unit, The Royal College of Surgeons of England, London, United Kingdom; UK Transplant, Bristol, United Kingdom


(55) Cotinine Levels in Serum and Urine and %HbCO as Exclusion Criteria in Lung Transplantation; P. Zanen, H. Ruven, M.J. Cramer, J.W. Lamers, E. van de Graaf, Department of Respiratory Medicine, University Medical Centre Utrecht, Utrecht, Netherlands; Department of Clinical Chemistry, St. Antonius Hospital, Nieuwegein, Netherlands; Department of Cardiology, University Medical Centre Utrecht, Utrecht, Netherlands

(56) Clinical Indicators for Steroid Response in Biopsy Proven Acute Allograft Rejection in Lung Transplant Recipients; T. Fuehner, M. Berkefeld, C. DeWall, A. Simon, M.W. Pletz, T. Welte, J. Gottlieb, Department of Respiratory Medicine, Medical School Hannover, Hannover, Germany; Department of Thoracic and Cardiovascular Surgery, Medical School Hannover, Hannover, Germany

Cardiovascular Surgery, Okayama University, Okayama, Japan; Cancer and Thoracic Surgery, Okayama University, Okayama, Japan; Anesthesiology and Resuscitology, Okayama University, Okayama, Japan

(59) The Impact of Lung Transplantation on Cardiac Dysfunction in Patients with Cystic Fibrosis; F. E. Nash, A.S. Coonar, D.H. Delgado, L.G. Singer, S. Keshavjee, C. Chaparro, Toronto Lung Transplant Program, University Health Network, University of Toronto, Toronto, ON, Canada; Division of Cardiology, Heart Transplant Program, Toronto General Hospital, Toronto, ON, Canada

(60) The Impact of Sildenafil Use in Acute Reduction of Pulmonary Hypertension in Advanced Heart Failure Patients; A.F. Freitas, Jr., F. Bacal, R. Honorato, J.L. Oliveira, Jr., C.P. Silva, L.F.P. Moreira, A.I. Fiorelli, S. Mangini, N.A.G. Stolf, E.A. Bocchi, Heart Failure and Heart Transplantation Department, Heart Institute (InCor), University of Sao Paulo Medical School, Sao Paulo, SP, Brazil


(62) Outcomes Following Lung Transplantation for Pulmonary Hypertension Secondary to Hereditary Hemorrhagic Telangiectasia; J. Kim, S.M. Studer, M.M. Crespo, J. Pilewski, Y. Toyoda, B.A. Johnson, T. Oggiomi, P. Vitulo, Pulmonary Allergy and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA; Pneumology Department, IsMett-UPMC, Palermo, Sicily, Italy; Department of Respiratory Diseases, IRCCS, San Matteo, Pavia, Italy

(63) The Influence of HLA-DR Mismatching on Long-Term Outcome of Lung Transplantation Is Masked by a New Immunosuppressive Protocol; W. van der Bij, E.A.M. Verschuuren, M.E. Erasmus, S.P.M. Lens, B.G. Hepkema, Dept. of Pulmonary Diseases, University Medical Center Groningen, Groningen, Netherlands; Dept. of Cardiothoracic Surgery, University Medical Center Groningen, Groningen, Netherlands; Dept. of Transplantation Immunology, University Medical Center Groningen, Groningen, Netherlands

(64) High Resolution Computed Tomography Findings in Candidates to Lung Transplantation with Previous Thoracic Invasive Procedures: Relationship with Peroperative Events; D. Pérez-Enquiqu, P. Morales, R. Vicente, M. Lloret Radiology, La Fe Hospital, Valencia, Spain; Lung Transplantation Unit, La Fe Hospital, Valencia, Spain; Anesthesiology, La Fe Hospital, Valencia, Spain; Radiology, La Fe Hospital, Valencia, Spain

(65) Influence of Ischemic Time on Survival and Chronic Rejection in Lung Transplantation; C. Kuehn, J. Gottlieb, B. Gohrbandt, A. Goerler, A. Meyer, F. Stefan, C. Hagl, M. Struebe, A. Haverich, Hannover Thoracic Organ Transplant Program, Hannover Medical School, Hannover, Germany; Devis of Pneumology, Hannover Medical School, Hannover, Germany


(67) Basiliximab Induction in Lung Transplantation: A Single Center Description of Survival, Acute Rejection and Infection; L.J. Stuckey, M.K. Han, R. Florn, C. Walls, K.R. Flaherty, V.N. Lama, S. Gay, T. Ojo, F.J. Martinez, A.Picks, A.C. Chang, K.M. Chan, College of Pharmacy, University of Michigan Health Systems, Ann Arbor, MI; Division of Pulmonary and Critical Care Medicine, University of Michigan Health Systems, Ann Arbor, MI; Section of Thoracic Surgery, University of Michigan Health Systems, Ann Arbor, MI

(68) Secondary Pulmonary Hypertension Is a Risk Factor for Primary Graft Dysfunction Following Lung Transplantation for Idiopathic Pulmonary Fibrosis; A. Fang, S. Studer, Y.N. Ahya, D. Hadjiliadis, K. Wille, V. Lama, A. Milstone, L. Ware, J. Orens, A. Weinacker, E. Demetis, S.M. Kavut, J.D. Christie, Pulmonary and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA; Pulmonary and Critical Care Medicine, University of Pennsylvania, Philadelphia, PA; Pulmonary and Critical Care Medicine, University of Alabama Birmingham, Birmingham, AL; Pulmonary and Critical Care Medicine, University of Michigan, Ann Arbor, MI; Pulmonary and Critical Care Medicine, Vanderbilt University, Nashville, TN; Pulmonary and Critical Care Medicine, Johns Hopkins University, Baltimore, MD; Pulmonary and Critical Care Medicine, Stanford University, Palo Alto, CA; Pulmonary and Critical Care Medicine, Columbia University, New York, NY
Titanium Plating To Prevent Sternal Malunion in Lung Transplantation; K.L. Gandy,1 1Department of Cardiothoracic Surgery, University Medical Center, Tucson, AZ

Nonadherence to the Medical Regimen during the First Two Years after Lung Transplantation; M.A. Dew,1 A.F. DiMartini, A. De Vita Dabbles, R. Zomak, S. De Geest, Y. Toyoda, C. Bermudez, R.L. Kormos, K.R. McCurry, Psychiatry, Psychology and Epidemiology, University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA; Psychiatry and Surgery, University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA; Acute and Tertiary Care Nursing, University of Pittsburgh School of Nursing, Pittsburgh, PA; Cardiothoracic Transplant Program, University of Pittsburgh Medical Center, Pittsburgh, PA; Institute of Nursing Science, University of Basel, Basel, Switzerland; Leuven Heart Transplant Program, University Hospital Leuven, Katholieke Universiteit, Leuven, Belgium; Surgery, University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA

Restrictive Allograft Physiology after Heart Transplantation: Prevalence and Associated Factors; I.P. Garrido, D.A. Pascual, P. Penafiel Verdu, F. Nicolas, Cardiology Department, H Universitario Virgen de la Arrixaca, Murcia, Spain; Nuclear Medicine Department, H Universitario Virgen de la Arrixaca, Murcia, Spain

Sinus Rhythm after Heart Transplantation Denotes Favorable Course; R. Baretti, B. Debus, D. Kemper, C. Knosalla, H. Lehmkuhl, R. Hetzer, Deutsches Herzzentrum Berlin, Berlin, Germany

Serum Cystatin-C and beta 2-Microglobulin as Markers of Renal Dysfunction in Japanese Heart Transplant Recipients; S. Numada, A. Sekikawa, K. Shitakura, K. Okujima, S. Oinuma, Y. Kubo, E. Takasugi, N. Hotta, Y. Watanabe, K. Otsuka, Department of Medicine, Tokyo Women’s Medical University Medical Center East, Tokyo, Japan

Incidence and Outcome of De-Novo Malignancy after Cardiac Transplantation – 20 Years Experience of a Single Center; S.L. Mahr, M.E. Paireder, A.Z. Aliabadi, G. Seebacher, M. Grimm, E. Wolner, A.O. Zuckermann, Department of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria

Aliskiren: A New Anti-Renin Blood Pressure Medication Appears Safe and Effective in Heart Transplant Recipients; M.M. Kittleson, A.K. Ankrom, J.K. Patel, M.A. Kawano, A. Ardehali, J.A. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

Does Gene Expression Profiling Scores Correlate with Cardiac Allograft Vasculopathy Assessed by Intravascular Ultrasoundography?; K. Jasti, D. Vido, C. Paul, S. Bashyam, P. Olson, S. Bailey, D. Dean, G. Magovern, D. Lasorda, S. Murali, Cardiac Transplant Program, Allegheny General Hospital, Pittsburgh, PA

End-Stage Renal Disease after Heart Transplantation: The Benefits of Kidney Transplantation; M.M. Kittleson, H.S. Song, J.K. Patel, M.A. Kawano, D. Patel, K.K. Kiyosoaki, A. Ardehali, J.A. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

Preoperative Renal Insufficiency Is Not Predictive for Kidney Dysfunction after Heart Transplantation; L. Baholli, B. Silf, K. Müllerfeile, H. Reichenspurner, A. Costard-Jäckle, Cardiology, University Heart Center, Hamburg, Germany

Malignancy Risk in 2007 with Current Immunosuppression Regimens; J.K. Patel, A. Brown, M.M. Kittleson, J.C. Kawano, M.A. Kawano, K.K. Kiyosoaki, A. Ardehali, J.A. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA
Long-Term Risks Post Steroid Weaning: Not so Rosy after All; M.M. Kittleson,1 A.S. Vaidya,1 J.K. Patel,1 M.A. Kawano,1 A. Ardehali,1 J.A. Kobashigawa,1 Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

Postoperative Management of Acute Graft Failure after Heart Transplantation; A. Beiras-Fernandez,1 I. Kaczmarek,1 F. Weis,2 M.J. Schmoeckel,1 M. Weis,2 B. Reichart,1 Cardiac Surgery, LM-University, Munich, Germany; Anaesthology, LM-University, Munich, Germany

Genital Human Papillomavirus (HPV) Infection and Its Consequences in CF Lung Transplant (Tx) Recipients; C. Knoop,1 H. Binet,1 F. BuRACT,1 A. Vandermeeren,1 A. Malfrout,2 Brussels Heart and Lung Transplant Group, Erasme University Hospital, Brussels, Belgium; CF Clinic, Universitair Ziekenhuis (UZ), Brussels, Belgium

Diffuse Alveolar Damage (DAD) after Lung Transplantation: Early Pulmonary Injury Was Not Associated with the Development of Bronchiolitis Obliterans; C.M. Burton,1 M. Iversen,1 J. Carlsen,1 T. Scheike,2 C.B. Andersen,1 Department of Cardiology, Rigshospitalet, Copenhagen, Denmark; Department of Biostatistics, Institute of Public Health, Copenhagen University, Copenhagen, Denmark; Department of Pathology, Rigshospitalet, Copenhagen, Denmark

Analysis of Risk Factors for the Development of Bronchiolitis Obliterans Syndrome (BOS) after Lung Transplantation; C.M. Burton,1 J. Carlsen,1 T. Scheike,2 C.B. Andersen,1 M. Iversen,1 Department of Cardiology, Rigshospitalet, Copenhagen, Denmark; Department of Biostatistics, Institute of Public Health, Copenhagen University, Copenhagen, Denmark; Department of Pathology, Rigshospitalet, Copenhagen, Denmark

Advanced Chronic Kidney Disease Early after Lung Transplantation Predicts Worse Outcome; T. Puehner,1 J. Gottlieb,1 M. Berkefeld,2 A. Reising,2 A.R. Simon,1 T. Welte,1 Respiratory Medicine, Hannover Thoracic Transplant Program, Hannover, Germany; Nephrology, Hannover Medical School, Hannover, Germany; Cardiotoracic, Transplantation and Vascular Surgery, Hannover Thoracic Transplant Program, Hannover, Germany

The Impact of Aspergillus Infection on Survival and Bronchiolitis Obliterans Syndrome in Lung Transplantation; S.S. Weigt1, C. Huang,1 M.P. Keane,1 Y.Y. Xue,1 V. Palchevski,1 A. Ardehali,1 A. L. Gregson,1 B. Kubak,1 R. Saggar,1 D.J. Ross,1 J.P. Lynch III,1 R.M. Elashoff,4 J.A. Belperio,1 Internal Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA; Internal Medicine, St. Vincent’s University Hospital and University College, Dublin, Ireland; Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA; Biomathematics, David Geffen School of Medicine at UCLA, Los Angeles, CA

Shift from PTLD to Early Onset Non-PTLD Malignancies as a Price Tag of a Protocol Switch after Lung Transplantation; B.C. Wagemakers,1 E.A.M. Verschuuren,2 M.E. Erasmus,1 E. Bastiaannet,4 A.J.H. Suurmeijer,1 W. van der Bij,2 Pathology, University Medical Center Groningen, Groningen, Netherlands; Pulmonary Diseases, University Medical Center Groningen, Groningen, Netherlands; Cardiotoracic Surgery, University Medical Center Groningen, Groningen, Netherlands; Comprehensive Cancer Center North, Groningen, Netherlands

Discrepancies between Clinical and Autopsy Diagnoses in Lung Transplant Recipients; O.A. Akindipe1, S. Fernandez-Bussy,1 A. Deem,1 E.D. Staples,1 M.A. Baz,1 Pulmonary and Critical Care Medicine, University of Florida Health Science Center, Gainesville, FL; Cardiotoracic Surgery, University of Florida Health Science Center, Gainesville, FL

The Role of Transbronchial Biopsies in the Diagnosis of Obliterative Bronchiolitis: Time for a Re-Evaluation?; L. Major1,2, S.M. Parker,1 G. Johnston,1 F. Black,1 J. Lordan,1 P.A. Corris,1 Applied Immunohistoology and Transplant Research Group, Institute of Cellular Medicine and Cardiopulmonary Transplant Unit, Freeman Hospital and Newcastle University, Newcastle upon Tyne, United Kingdom; Department of Cellular Pathology, Newcastle upon Tyne Trust Hospitals, Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom

6:45 PM – 7:45 PM
Scientific Council on Mechanical Circulatory Support Meeting (Room 312)
Scientific Council on Infectious Diseases Meeting (Room 310)
Scientific Council on Pediatric Transplantation Meeting (Room 302)
Scientific Council on Pulmonary Hypertension Meeting (Room 311)

THURSDAY, APRIL 10, 2008

6:30 AM – 6:00 PM
Slide Ready Room Open (Room 301)

7:00 AM – 6:00 PM
Registration Open (Boylston Hallway 3rd Floor)

7:00 AM – 10:00 AM
Mounting of Posters # 234 - 292 (Exhibit Hall A)
Mounting of Mini Oral Posters # 131 - 164 (Exhibit Hall A)

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 1: Emerging Experience with Pediatric Mechanical Support (Rooms 304-306)
Chairs: Asif Hasan, MD and Charles D. Fraser, Jr., MD

7:00 AM Patient Selection, Elizabeth Blume, MD, Children’s Hospital, Boston, MA

7:20 AM World Experience with the Berlin Heart in Pediatric Patients, Holger W. Buchholz, MD, University of Alberta, Edmonton, Canada

7:40 AM Novel Pediatric Circulatory Support Devices: Overview of 5 Center Experience in the US, Brian W. Duncan, MD, Cleveland Clinic Foundation, Cleveland, OH

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 2: Practical Approaches to GERD in Lung Transplantation (Room 312)
Chairs: Christine L. Lau, MD and John Dark, MB, FRCS

7:00 AM Introduction, Duane Davis, MD, Duke University Medical Center, Durham, NC

7:10 AM Panel Discussion/Case Presentations
Lieven J. Dupont, MD, PhD, University Hospital Gasthuisberg, Katholieke Universiteit, Leuven, Belgium
Frank D’Ovidio, MD, PhD, Columbia University Medical Center, New York, NY
Peter M. Hopkins, FRCPA, The Prince Charles Hospital, Brisbane, Australia
Duane Davis, MD, Duke University Medical Center, Durham, NC

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 3: Nursing Research: Exposing the Mystery (Room 302)
Chairs: Connie White-Williams, MSN and Bernice L. Coleman, PhD, RN, ACNP

7:00 AM Cultivating Research From Clinical Practice: Ideas and Challenges, Connie White-Williams, MSN, University of Alabama, Birmingham, AL

7:10 AM The Multiplicity of Qualitative Research Methodologies, Annette J. DeVito Dabbs, RN, PhD, University of Pittsburgh School of Nursing, Pittsburgh, PA

7:30 AM The Quantitative Quandry: It’s All in the Measurement, Fabienne Dobbels, MSc, PhD, University Hospital Leuven, Leuven, Belgium

7:50 AM Panel Discussion: Research Pearls and Pitfalls: Suggestions and Solutions from the Experienced

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 4: Personalized Immunosuppression – Myth or Reality? (Room 311)
Chairs: Octavio E. Pajaro, MD, PhD and Andreas O. Zuckermann, MD

7:00 AM Can Renal Dysfunction Be Reversed? Anne Keogh, MBBS, MD, St. Vincent’s Hospital, Australia

7:20 AM Can BOS Be Blocked? Selim M. Arcasoy, MD, Columbia University, New York, NY

7:40 AM Should Steroids Be Stopped? Mark J. Zucker, MD, Newark Beth Israel Medical Center, Newark, NJ

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 5: Core Curriculum: The ABC of Antibodies (Room 310)
Chairs: Ronald H. Kerman, PhD and Margaret Burke, FRCPath

7:00 AM Terminology and Technology of Antibodies in Transplantation, Marlene Rose, PhD, Harefield Hospital, Harefield, United Kingdom
What Should We Be Doing About Them in Thoracic Transplantation? Elaine F. Reed, PhD, UCLA Immunogenetics Center, Los Angeles, CA

8:00 AM – 6:00 PM
Press Office Open (Room 308)

8:15 AM - 10:15 AM
PLENARY SESSION  (Ballrooms A-C)
Chairs: Bruce McManus, MD, PhD and Jon Kobashigawa, MD

8:15 AM Invited Lecture: Biomarkers: What are They? How Might They Aid in Care of Allograft Recipients and Other Patients? Christopher J. O'Donnell, MD, MPH, National Heart Lung and Blood Institute, Framingham, MA

8:40 AM (92) Featured Abstract: Degree of Concordance between CARGO and Biomarkers in Transplantation; Z. Hollander, D. Lin, A. Mui, J. Wilson-McManus, G. Cohen Freue, R. Balshaw, R. Ng, R. McMaster, P. Keown, B. McManus, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, St Pauls-University of British Columbia, Vancouver, BC, Canada; Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada; Surgery, University of British Columbia, Vancouver, BC, Canada; Statistics, University of British Columbia, Vancouver, BC, Canada; Computer Science, University of British Columbia, Vancouver, BC, Canada; Medical Genetics, University of British Columbia, Vancouver, BC, Canada; Medicine, University of British Columbia, Vancouver, BC, Canada

8:55 AM (93) Featured Abstract: Whole Blood Genomic Biomarkers of Acute Heart Allograft Rejection; Z. Hollander, D. Lin, R. Balshaw, R. Ng, P. Qasimi, G. Cohen Freue, J. Wilson-McManus, A. Mui, R. McMaster, P. Keown, B. McManus, James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, St Pauls-Hospital-University of British Columbia, Vancouver, BC, Canada; Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada; Statistics, University of British Columbia, Vancouver, BC, Canada; Computer Science, University of British Columbia, Vancouver, BC, Canada; Surgery, University of British Columbia, Vancouver, BC, Canada; Medical Genetics, University of British Columbia, Vancouver, BC, Canada; Medicine, University of British Columbia, Vancouver, BC, Canada

9:10 AM Invited Lecture: New Tools, Technologies and Results for Probing Proteomic Biomarkers in Plasma of Transplant Patients, Christoph H. Borchers, PhD, University of Victoria Proteomics Centre, Vancouver, Canada

9:35 AM (94) Featured Abstract: The Inhibitor of Apoptosis Birc6 Is a Sensitive and Specific Marker of Cardiac Allograft Rejection; S. Aharinejad, O. Andrukhova, R. Schaefer, K. Krenn, C. May, A. Zuckermann, D. Zimpfer, M. Grimm, Dept. of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria; Lab. for Cardiovasc. Research, Center for Anatomy and Cell Biology, Medical University of Vienna, Vienna, Austria; Dept. of Internal Medicine II, Medical University of Vienna, Vienna, Austria

9:50 AM Invited Lecture: Imaging Biomarkers: New Horizons and Opportunities in Transplantation, Ralph Weissleder, MD, PhD, Harvard Medical School, Boston, MA

10:00 AM – 6:45 PM
Exhibit Hall Open (Exhibit Hall A)

10:15 AM – 10:45 AM
Coffee Break (Exhibit Hall A)

10:45 AM - 12:15 PM
CONCURRENT SESSION 6:  The Science of Support with Mechanical Devices  (Ballrooms A-C)
Chairs: Francis D. Pagani, MD, PhD and Emma Birks, MRCP

10:45 AM (95) Clinical Experience with Recombinant Factor VII Use in Patients with Left Ventricular Assist Devices; B.A. Bruckner, L.P. Jacob, J.C. Walkes, O. Habib, M.J. Reardon, M. Loebe, I.D. Gregoric, O.H. Frazier, DeBakey Heart Center, The Methodist Hospital, Houston, TX; Transplant Assist Devices, Texas Heart Institute, Houston, TX

11:00 AM (96) Sustained Activation of Vascular Endothelium Induces the Tissue Factor Pathway in LVAD Recipients; S.R. Panch, J. Hrabe, A. Solovey, C. Toninato, R.P. Hebbel, R. John, University of Minnesota, Minneapolis, MN


Sustained Normalisation of 123I-MIBG Uptake after Explantation of Left Ventricular Assist Device (LVAD)s; R.S. George, A. Cheetham, S. Hinton-Taylor, R. Manlapig, F. Ghiotto, A. Marshall, A. Kelion, M.H. Yacoub, E.J. Birks, Mechanical Circulatory Support Department, Royal Brompton and Harefield NHS Trust, Middlesex, United Kingdom; Heart Science Centre, Magdi Yacoub Institute, Imperial College, London, United Kingdom; Nuclear Cardiology Department, Royal Brompton and Harefield NHS Trust, London, United Kingdom

Proteomics Analysis of the Terminal Failing Heart Supported by Ventricular Assist Devices; H. Cakar, K. Stühler, M. Grzendowski, E. Hawranke, H.E. Meyer, M. Morshuis, D. Röfe, R. Körfer, A. El Banayosy, H. Milting, Herz- und Diabeteszentrum NRW, Universitätsklinikum der Ruhr Universität Bochum, Erich und Hanna Klessmann-Institut für Kardiovaskuläre Forschung und Entwicklung, Bad Oeynhausen, Germany; Ruhr Universität Bochum, Medizinisches Proteom-Center (MPC), Bochum, Germany

Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography Predicts Cardiac Allograft Vasculopathy Onset in Heart Transplant Patients with Normal Coronary Angiogram; E. Osto, F. Tona, A.L.P. Caforio, M. Napodano, A. Bortolami, A. Angelini, G. Gerosa, S. Iliceto

Echocardiographic 2D-Strain Imaging for Early Detection of Patients with Focal Coronary Stenoses after Heart Transplantation; M. Dandel, H.B. Lehmkühl, K. Knosalla, O. Grauhan, Y. Weng, M. Pasic, R. Hetzer


Diagnostic Efficacy of Dual-Source CT Coronary Angiogram in Heart Transplant Recipients in Comparison with Dobutamine Stress Echocardiography: Initial Experience; S. Mastrobuoni, G. Bastarrika, M. Ubilla, J. Pueyo, S. Castaño, P. Azcarate, C. De Cecco, J. Herreross, G. Rabago, Cardiovascular Surgery, Clinica Universitaria de Navarra, Pamplona, Spain; Radiology, Clinica Universitaria de Navarra, Pamplona, Spain

In Vivo Characterization of Plaque Composition in Late Cardiac Allograft Vasculopathy; T. Oberndorfer, M. Frick, D. Doerler, D. Hofer, H. Antretter, G. Poelzl, Innsbruck Medical University, Clinical Division of Cardiology, Innsbruck, Austria; Innsbruck Medical University, Clinical Division of Cardiology, Innsbruck, Austria
NOON (106) Postoperative Adverse Events Are Related to Mortality after Heart Transplantation; C.A. Rogers,1 R.S. Bonser,1 N.R. Banner,1 On Behalf of the Steering Group, UK Cardiothoracic Transplant Audit, Clinical Effectiveness Unit, The Royal College of Surgeons of England, London, United Kingdom

10:45 AM - 12:15 PM

CONCURRENT SESSION 8: Clinical Aspects of Bronchiolitis Obliterans Syndrome (Room 312)

Chairs: Gregory I. Snell, FRACP, MBBS and Selim M. Arcasoy, MD

10:45 AM (107) Post Lung Transplantation Bronchiolitis Obliterans Syndrome: A Regression Analysis of Clinical Predictors; S.L.C. Reddy,1 K. Baskara,1 S. Lin,1 S. Palmer,1 J.Y. Um,1 P. Catario,1 E. Bush,1 R.D. Davis,1 Department of Cardiothoracic Surgery and Transplantation, Duke University Medical Center, Durham, NC

11:00 AM (108) Bronchiolitis Obliterans and Pulmonary Hypertension: A Clinicopathologic Study; R. Saggar,1 D.J. Ross,1 S.S. Weigt,1 R. Saggar,2 D. Elashoff,2 D.A. Zisman,1 A. Ardehali,1 A.L. Gregson,1 B. Kubak,3 S. Shapiro,3 M.C. Fishbein,4 C. Lai,4 J.P. Lynch III,4 J.A. Belperio,1 W.D. Wallace,5 Division of Pulmonary and Critical Care Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA; Division of Pulmonary and Critical Care Medicine, UC Irvine School of Medicine, Irvine, CA; Department of Biomathematics, University of California, Los Angeles, Los Angeles, CA; Department of Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA; Division of Infectious Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiology, Greater Los Angeles VA Health Care Center, Los Angeles, CA; Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA

11:15 AM (109) Does Persistent Pseudomonal Airway Colonization Cause Ongoing Airways Inflammation after Lung Transplantation?: S. Delespeschauer,1 R. Vos,1 B.M. Vananaeenderde,2 D.E. Van Raemdonck,2 J.I. DuPont,1,3 G.M. Verleden,1,3 Laboratory of Pneumology, Katholieke Universiteit Leuven, Leuven, Belgium; Laboratory of Experimental Thoracic Surgery, Katholieke Universiteit Leuven, Leuven, Belgium; Lung Transplantation Unit, University Hospital Gasthuisberg, Leuven, Belgium

11:30 AM (110) Effect of Etiology and Timing of Respiratory Tract Infections on the Development of Bronchiolitis Obliterans Syndromes After Lung Transplantation; F.G. Valentine,1 M.R. Gupta,1 J.E. Walker,1 G.A. Lombard,1 D. Weill,1 G.S. Dhillon,1 Internal Medicine, University of Texas Medical Branch, Galveston, TX; Pulmonary and Critical Care Medicine, LSU Health Science Center, New Orleans, LA; Pulmonary and Critical Care Medicine, Stanford University Hospital, San Francisco, CA

11:45 AM (111) Bronchiolitis Obliterans Organizing Pneumonia (BOOP) after Lung Transplantation: A Potentially Reversible Prelude to Bronchiolitis Obliterans?; C.M. Burton,1 M. Iversen,1 J. Carlsen,1 T. Scheike,2 C.B. Andersen,3 Department of Cardiology, Rigshospitalet, Copenhagen, Denmark; Department of Biostatistics, Institute of Public Health, Copenhagen University, Copenhagen, Denmark; Department of Pathology, Rigshospitalet, Copenhagen, Denmark

NOON (112) Azithromycin Reverses Airflow Obstruction in Established Bronchiolitis Obliterans Syndrome – A Three Year Follow Up; T.M. Small,1 C. Ward,1 B. Yates,1 D.M. Murphy,1 I.A. Forrest,1 J.L. Lordan,1 A.F. Fisher,1 J.H. Dark,1 P.A. Corris,1 Sir William Leech Centre for Lung Research, Freeman Hospital, Newcastle, United Kingdom; Department of Respiratory Medicine, Mater Misericordiae, Dublin, Ireland

10:45 AM - 12:15 PM

CONCURRENT SESSION 9: The Biology of the Cardiac Donor (Room 302)

Chairs: Dimitri Novitzky, MD and Abbas Ardehali, MD

10:45 AM (113) Effectiveness of Hormonal Resuscitation Therapy and Control of Central Venous Pressure on Increasing Organs for Transplant; T.M. Abdelnour,1 S. Rieke,1 Procurement, LifeSource, St. Paul, MN

11:00 AM (114) The Impact of Donor Mechanism of Death on Survival and Rejection after Heart Transplantation; R.A. Bello,1 D.A. D’Alessandro,1 R.J. Frumento, S. Maybaum,2 D.J. Goldstein,1 Department of Cardiothoracic Surgery, Montefiore-Einstein Heart Center, Bronx, NY; Department of Cardiology, Montefiore-Einstein Heart Center, Bronx, NY

11:15 AM (115) A Significant Association of Primary Graft Dysfunction (PGD) among Pulmonary, Renal and Cardiac Transplantation from a Same Multi-Organ Donor; T. Oto,1 L. Excell,1 A.P. Griffiths,1 B.J. Levey,1 P. MacDonald,1 S. Marasco,1 G.I. Snell,1 Department of Thoracic Surgery, Okayama University Hospital, Okayama, Japan; Australia New Zealand Dialysis and Transplant Registry (ANZDATA), Adelaide, Australia; Lung Transplant Service, The Alfred Hospital and Monash University, Melbourne, Victoria, Australia; Cardiology/Heart Transplantation, St Vincents Hospital, Sydney, New South Wales, Australia
11:30 AM (116) Circulatory Load during Hypoxia Impairs Post-Transplant Myocardial Functional Recovery in Donation after Cardiac Death; S. Osaki, K. Ishino, Y. Kotani, O. Honjo, T. Kohmoto, S. Sano, Cardiothoracic Surgery, University of Wisconsin, Madison, WI; Cardiovascular Surgery, Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan

11:45 AM (117) Brain Stem Death Induced Pulmonary Hypertension – More Pronounced and Prolonged Than Left Ventricular Changes in an Ovine Model; P. Hanks, J.J. Fraser, M. Nataamadja, M. Passmore, A. Corley, K. Dunster, J. Dunning, F. Kermeen, The Critical Care Research Group, The Prince Charles Hospital, Brisbane, Queensland, Australia; Heart Lung Transplant Unit, The Prince Charles Hospital, Brisbane, Queensland, Australia

NOON (118) Serial Cytokine Measurement in Potential Heart Donors: The Impact of Early Steroids; R. Venkateswaran, V. Dronovalli, P. Lambert, P. Mistry, C. Castello, I. Wilson, R. Thompson, R. Bonser, Department of Heart and Lung Transplantation, University Hospital Birmingham NHS Foundation Trust, Birmingham, United Kingdom; Department of Immunology, Aston University, Aston Triangle, Birmingham, United Kingdom

10:45 AM - 12:15 PM
CONCURRENT SESSION 10: Viral Infections in Heart and Lung Transplantation (Room 311)

Chairs: Martha L. Mooney, MD and Lara Danziger-Isakov, MD, MPH

10:45 AM (119) Dissecting CMV-Specific Immunity in High-Risk Lung Transplant Recipients: Differences between the Lung Allograft and Blood Effector Memory T Cells; M.R. Pipeling, E.E. West, N. Lechtzin, S.A. Migueles, M. Connors, J.F. McDyer, Medicine, Johns Hopkins University, Baltimore, MD; NIAID, National Institutes of Health, Bethesda, MD

11:00 AM (120) Investigations into the Pathogenesis of Cytomegalovirus-Induced Transplant-Arteriosclerosis Using a Humanized Mouse Model; S.M. Ensminger, S. Abele, M. Leis, M. Wollin, M. Weyand, T. Stamminger, Department of Cardiac Surgery, University of Erlangen-Nuremberg, Erlangen, Bavaria, Germany; Institute for Molecular and Clinical Virology, University of Erlangen-Nuremberg, Erlangen, Bavaria, Germany


11:30 AM (122) Risk Factors Associated to CMV Viremia in Cardiac Transplant Patients. A Prospective Study; J. Delgado, N. Manito, L. Almenar, M. Crespo-Leiro, E. Roig, J. Segovia, J.A. Vázquez de Prada, E. Lage, J. Palomo, M. Campreciós, J.M. Arizón, J.L. Rodríguez-Lambert, T. Blasco, L. De La Fuente, D. Pascual, G. Rábago, Cardiology, H. 12 de Octubre, Madrid, Spain; Cardiology, H. de Bellvitge, L Hospitalet del Llobregat, Barcelona, Spain; Cardiology, H. La Fè, Valencia, Spain; Cardiology, H. Juan Canalejo, A Coruña, Spain; Cardiology, H. Clinic, Barcelona, Spain; Cardiology, H. Puerta de Hierro, Madrid, Spain; Cardiology, H. Marquès de Valdecilla, Santander, Spain; Cardiology, H. Virgen del Rocío, Sevilla, Spain; Cardiology, H. Gregorio Marañón, Madrid, Spain; Cardiology, H. Sant Pau, Barcelona, Spain; Cardiology, H. Reina Sofia, Cordoba, Spain; Cardiology, H. Central de Asturias, Oviedo, Spain; Cardiology, H. Miguel Servet, Zaragoza, Spain; Cardiovascular Surgery, Clínica Universitaria de Navarra, Pamplona, Spain

11:45 AM (123) The Influence of Valganciclovir Prophylaxis on Cytomegalovirus Infection after Lung Transplantation; M.E. Hellemong, W. van der Bij, M.E. Erasmus, E.A.M. Verschuren, Pulmonary Disease, UMCG, Groningen, Netherlands; Cardiothoracic Surgery, UMCG, Groningen, Netherlands

NOON (124) Epstein-Barr Virus and Post-Transplant Lymphoproliferative Disease in Stable Heart Transplantation (HTX) Follow-Up Patients; A.O. Dosech, M. Konstandin, S. Celik, A. Kristen, P. Schnitzler, A. Koch, P. Schnabel, H.A. Katus, T.J. Dengler, Department of Cardiology, University of Heidelberg, Heidelberg, Germany; Department of Cardiac Surgery, University of Heidelberg, Heidelberg, Germany; Department of Virology, University of Heidelberg, Heidelberg, Germany; Department of Pathology, University of Heidelberg, Heidelberg, Germany

10:45 AM - 12:15 PM
CONCURRENT SESSION 11: Regulatory T-cells (Room 310)

Chairs: George Tellides, MD, DPhil and Stephen M. Ensminger, MD, DPhil

10:45 AM (125) Chemokine Receptor Blockade Induces Regulatory T Cells; S. Bastani, R. Bhatia, R. Manasrah, J. Belperio, M.C. Fishbein, A. Ardehali, Surgery, Division of Cardiothoracic Surgery, UCLA Medical Center, Los Angeles, CA; Medicine, UCLA Medical Center, Los Angeles, CA; Medicine, Cedars Sinai Medical Center, Los Angeles, CA; Medicine, University of California at Los Angeles, Los Angeles, CA
11:00 AM (126) CD4+CD25brightFoxP3+ Regulatory T Cells of Rejecting Heart Transplant Patients Have Inferior Immune Regulatory Functions; E. Dijke¹, S. Korevaar¹, A. Balk², K. Caliskan², L. Maat⁴, W. Weimar¹, C. Baan¹, ¹Department of Internal Medicine, Erasmus MC, Rotterdam, Netherlands; ²Department of Cardiology, Erasmus MC, Rotterdam, Netherlands; ³Department of Thoracic Surgery, Erasmus MC, Rotterdam, Netherlands

11:15 AM (127) Overexpression of Exogenous IL-4 and IL-10 Synergistically Upregulates Infiltrative CD4+CD25+ T Cells in Cardiac Allografts and Induces Long-Term Allograft Survival; H. Furukawa¹, M. Jeminous¹, G. Cui¹,² H. Laks¹, L. Sen¹,² ¹Surgery, UCLA School of Medicine, Los Angeles, CA; ²Medicine, UCLA School of Medicine, Los Angeles, CA

11:30 AM (128) Influence of MHC Class II Matching on Regulatory Tolerance to Heart Transplants; P.N.A. Martins, S.K. Germana, C. LeGuern ¹Dept. of Surgery, Transplant Biology Research Center, Massachusetts General Hospital, Harvard Medical School, Boston, MA

11:45 AM (129) Immunomodulation by Photopheresis Involves Regulatory T Cells; J.F. George¹, C.W. Gooden¹, L. Guo¹, J.K. Kirklin¹ ¹Department of Surgery, University of Alabama at Birmingham, Birmingham, AL

12:00 PM (130) Costimulatory Blockade Leads to Accumulation of Antigen-Specific CD4+Foxp3+ Regulatory T Cells in Vascularized Mouse Lung Allografts and Prevents Their Acute Rejection; M. Okazaki¹, S. Sugimoto¹, J. Lai¹, C.G. Kornfeld¹, J.R. Tietjens¹, T.I. Huang¹, S.B. Richardson¹, A. Patterson¹, A.S. Krupnick¹, A.E. Gelman¹, D. Kreisel¹, ¹Surgery, Washington University in St. Louis, St. Louis, MO

12:30 PM – 2:00 PM LUNCH SYMPOSIUM: Cardiac Allograft Vasculopathy: Lessons Learned from Clinical Experience (Ballrooms A-C)

Supported by an unrestricted educational grant from Novartis Pharma

Chairs: Mandeep R. Mehra, MD and Maria Crespo-Leiro, MD

Case Presentations

12:30 PM Patient with Graft Dysfunction, Normal Coronary Angiography and CAV by IVUS, Jon Kobashigawa, MD, University of California at Los Angeles, CA

12:50 PM Patient with Pre-existing Donor Coronary Disease and Question of Progression Post-Transplant, Hans B. Lehmkühl, MD, Deutsches Herzzentrum Berlin, Germany

1:10 PM Patient with Diffuse Cardiac Allograft Vasculopathy, Adrian B. Van Bakel, MD, PhD, Charleston, SC

1:30 PM Emerging Challenges in Cardiac Allograft Vasculopathy, A Panel Discussion

1:50 PM Summary of Session and Closing Comments, Mandeep R. Mehra, MD, and Maria Crespo-Leiro, MD

12:30 PM - 2:00 PM JHLT Editorial Board Meeting (Room 300)

12:30 PM - 2:00 PM MINI-ORAL SESSION 1 (Room 312)

Chairs: Marc De Perrot, MD, Martin Iverson, MD, PhD, and Ramsey R. Hachem, MD

12:30 PM (131) Factors Affecting Airway Complications after Lung Transplantation: A Single-Center Experience of 460 Patients; E. Fadel¹, M. de Perrot¹, A. Pierre¹, T. Waddell¹, C. Chaparro¹, M. Hutcheon¹, L. Singer¹, S. Keshavjee¹, ¹Toronto Lung Transplant Program, Toronto General Hospital, Toronto, ON, Canada

12:35 PM (132) Airway Complications after Lung Transplantation: Incidence and Risk Factors in a Contemporary Series; R.R. Hachem¹, B.F. Meyers¹, R.D. Yusen¹, A. Patterson¹, E.P. Trulock¹, ¹Pulmonary Critical Care, Washington University School of Medicine, St. Louis, MO; ²Thoracic Surgery, Washington University School of Medicine, St. Louis, MO
12:40 PM (133) Increased BAL Neutrophilia on Routine Bronchoscopy 3 or 6 Months after Lung Transplantation Is a Significant Predictor of BOS; L.J. Dupont,1 B.M. Vanaudenaerde,1 R. Vos,1 D.E. Van Raemdonck,1 G.M. Verleden,1 1Leuven Lung Transplant Team, University Hospital Gasthuisberg, Leuven, Belgium

12:45 PM (134) Current Results for Lung Transplantation in Children; O. Elidemir,1 M.G. Schecter,1 J.S. Heinle,2 D.L. Morales,2 E.D. McKenzie,2 J.M. Robertson,1 G.R. Mallory,1 1Pediatric Pulmonology, Baylor College of Medicine, Houston, TX; 2Dept. of Cardiovascular Surgery, University of Munich, Munich, Germany; 3Dept. of Medicine, University of Munich, Munich, Germany; 4Dept. of Cardiac Surgery, University of Munich, Munich, Germany; 5Dept. of Anesthesiology, University of Munich, Munich, Germany

12:50 PM (135) Can LVRS Postpone Lung Transplantation in Emphysema Patients?; T. Strauss,1 P. Soldo,1 R.A. Hatz,1 J. Behr,1 M. Rehm,1 B. Reichart,1 Munich Lung Transplant Group,1,2,3,4 1Dept. of Surgery, University of Munich, Munich, Germany; 2Dept. of Medicine, University of Munich, Munich, Germany; 3Dept. of Cardiovascular Surgery, University of Munich, Munich, Germany; 4Dept. of Anesthesiology, University of Munich, Munich, Germany

12:55 PM (136) Lung Disease in Young Adult Survivors of Moderate and Severe Bronchopulmonary Dysplasia – A Future Indication for Lung Transplantation?; D.C. Chambers,1 C.P. Murray,2 J. Louw,3 N. French,4 A. Wilson,4 1Western Australian Lung Transplant Program, Royal Perth Hospital, Perth, Western Australia, Australia; 2Department of Diagnostic Imaging, Royal Perth Hospital, Perth, Western Australia, Australia; 3Neonatal Clinical Care Unit, King Edward Memorial Hospital, Perth, Western Australia, Australia

1:00 PM (137) Restoration of Cough Reflex in Lung Transplant Recipients: Functional and Histologic Evidence; A.G. Duarte,1 G. Campbell, A. Myers, S. Lick 1Internal Medicine, University of Texas Medical Branch, Galveston, TX; 2University of Toronto, Toronto, Canada

1:05 PM (138) Spontaneous Reversal of Acid GER after Lung Transplantation; F. D'Ovidio,1 T. Waddell,2 L.G. Singer,2 A. Pierre,2 M. De Perrot,2 C. Chaparro,2 M. Hutchison,2 L. Miller, G. Darling, S. Keshavjee 1Columbia University Medical Centre, New York; 2University of Toronto, Toronto, Canada

1:10 PM (139) Lung Transplantation in Older Patients with Cystic Fibrosis: An Analysis of UNOS Data; E.S. Weiss,1 M.N. Modi,1 M.C. Borja,1 C.A. Merlo,1 J.V. Conte,1 A.S. Shah,1 1Division of Cardiac Surgery, Department of Surgery, The Johns Hopkins University School of Medicine, Baltimore, MD; 2Division of Pulmonology, Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD

1:15 PM (140) Exercise Induced Pulmonary Hypertension (EIPH) Is Clinically Important and Precedes the Development of Pulmonary Hypertension (PH) at Rest; R. Fowler,1 J. Frewer,1 M. Maiorana,1 S. Jenkins,1 G. O'Driscoll,1 M. Thomas,1 C. Reed,1 E. Gabbay,1,2,3 1Royal Perth Hospital, Perth, Western Australia, Australia; 1Curtin University of Technology, Perth, Western Australia, Australia; 2University of Notre Dame, Perth, Western Australia, Australia; 3University of Western Australia, Perth, Western Australia, Australia

1:20 PM (141) Post Transplant Lymphoproliferative Disorder (PTLD) after Heart or Lung Transplantation: Incidence, Prognostic Factors and Outcome; R. Banerjee,1 S. Zemenides,1 M. Burke,1 T. Mittal,2 M. Carby,1 P. Hoskin,3 N. Banner,1 1Transplantation, Harefield Hospital, Harefield, Middlesex, United Kingdom; 2Harefield Hospital, Harefield, United Kingdom; 3Harefield Hospital, Harefield, United Kingdom; 4Harefield Hospital, Harefield, United Kingdom; 5Harefield Hospital, Harefield, United Kingdom; 6Mount Vernon Hospital, Hillingdon, United Kingdom; 7Harefield Hospital, Harefield, United Kingdom

1:25 PM (142) Protective Effect of Nebulized Milrinone in Pulmonary Warm Ischemia–Reperfusion Injury; F. Chen,1 J. Zhang,2 X. Zhao,1 A. Aoyama,1 T. Okamoto,1 T. Fujimoto,1 A. Takahashi,1 N. Satoda,2 T. Shoji,2 H. Satoh,2 T. Bando,3 1Organ Preservation Technology, Kyoto University, Kyoto, Japan; 2Thoracic Surgery, Kyoto University, Kyoto, Japan; 3Thoracic Surgery, Kyoto University, Kyoto, Japan

1:30 PM (143) The Non-Heart Beating Donor for Heart Transplantation: A New and Evolving Source of Organs; A.A. Ali,1 P. White,1 K. Dhital,1 M. Ryan,1 S. Tsui,1 S.R. Large,1 1Department of Cardiothoracic Surgery, Papworth Hospital, Papworth Everard, Cambridge, United Kingdom; 2Department of Bio-Engineering, Addenbrookes Hospital, Cambridge, United Kingdom; 3Department of Transplantation, Addenbrookes Hospital, Cambridge, United Kingdom

1:35 PM (144) Sildenafil Citrate Enhances Myocardial Protection in Cardiac Transplantation; P. Botha,1 J.H. Dark,2 G.A. MacGowan,1 1Institute of Cellular Medicine, Newcastle University, Newcastle upon Tyne, Tyne and Wear, United Kingdom; 2Department of Cardiology, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom; 3Department of Cardiology, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

1:40 PM (145) Impact of Topical Cooling Solution and Prediction of Pulmonary Graft Viability from Non-Heart-Beating Donors; I. Inci,1 W. Zhou,1 S. Arni,1 D. Inci,2 S. Hillinger,1 B. Lekoæe,1 W. Weder,1 1Department of Thoracic
1:45 PM (146) Donor Pretreatment with Hypertonic Saline Improves Coronary Artery Vascular Function Post-Cardiac Transplantation; M.V. Badiwala,1 D. Ramzy,1 L.C. Tumiani,1 E.D. Tepperman,1 R. Sheshgiri,1 J.L. Prodger,1 C.M. Feindel,1 V. Rao,1 Division of Cardiovascular Surgery, Peter Munk Cardiac Centre, Toronto General Hospital, Toronto, ON, Canada

12:30 PM - 2:00 PM
MINI-ORAL SESSION II (Room 302)

12:30 PM (147) Comparison of Post Cardiac Transplant Outcomes between African American (AA) and Caucasian (CA) Patients: A Single Center Experience; A. Srivastava,1 I. Alesh,1 C. Williams,1 D. Lanfear,1 C. Tita,1 R. Brewer, H. Nemes, L. Krese, C. Drost, G. Jacobsen, B. Czerska Advanced Heart Failure/Cardiac Transplant. Heart Vascular Institute, Henry Ford Hospital, Detroit, MI

12:35 PM (148) The Role of Race in Survival after Heart Transplantation; R.A. Bello,1 D.A. D'Alessandro,1 R.J. Frumento, S. Maybaum,2 D.J. Goldestein,1 Department of Cardiothoracic Surgery, Montefiore-Einstein Heart Center, Bronx, NY; 2Department of Cardiology, Montefiore-Einstein Heart Center, Bronx, NY

12:40 PM (149) Incidence of De Novo Solid Malignancies after Heart Transplantation Is Comparable to the General Population; L. Kellerman,1 B. Burke,1 Y. Naka,1 A. Neugut,1 D. Mancini,1 1Advanced Heart Failure/Cardiac Transplant. Heart Vascular Institute, Henry Ford Hospital, Detroit, MI

12:45 PM (150) Smoking after Heart Transplantation: Self-Report Versus Urinary or Salivary Cotinine; A.F. Kaan,1 Q.R. Young,1 M.H. Mackay,1 L. Straatman,1 The Heart Centre, St Paul’s Hospital, Vancouver, BC, Canada

12:50 PM (151) Symptom Frequency and Distress from 5 to 10 Years after Heart Transplantation; K.L. Grady,1 E. Wang,2 R. Higgins,3 A. Heroux,4 B. Rybarczyk,2 J.B. Young,5 D. Pelegrin,2 J. Czerr,1 J. Kobashigawa,1 J. Chait,1 D.C. Naftel,1 C. White-Williams,6 S. Myers,7 J.K. Kriklin,8 Surgery/Division of Cardiothoracic Surgery, Northwestern University, Chicago, IL; 9Center on Outcomes, Research, and Education, Evanston Northwestern Healthcare Northwestern University, Evanston, IL; 10Cardiovascular-Thoracic Surgery, Rush University Medical Center, Chicago, IL; 11Cardiology, Loyola University Medical Center, Maywood, IL; 12Psychology, Virginia Commonwealth University, Richmond, VA; 13Cardiology, Cleveland Clinic, Cleveland, OH; 14Division of Clinical Faculty Medicine, University of California, Los Angeles, Los Angeles, CA.; 15Surgery/Division of Cardiothoracic Surgery, University of Alabama at Birmingham, Birmingham, AL; 16Nursing, University of Alabama at Birmingham, Birmingham, AL

12:55 PM (152) Randomized Rehabilitation To Improve Exercise Capacity and HRQoL after Heart Transplantation; C. Kugler,1 U. Tegtbur,2 D. Malehsa,1 C. Bara,1 M. Strueber,1 A. Haverich,1 A. Simon,1 Cardiothoracic and Transplant Surgery, Hannover Thoracic Transplant Program, Hannover Medical School, Hannover, Germany; 2Sports Medicine, Hannover Medical School, Hannover, Germany

1:00 PM (153) Strain and Strain Rate by Velocity Vector Imaging in Diagnosing Acute Rejection after Heart Transplantation; E. Deco,1 F. Tona,1 A. Bertolami,1 A.L.P. Caforio,1 A. Angelini,1 A. Ramondo,1 G. Gerosa,1 S. Iliceto,1 Cardiology, University of Padova, Padova, Italy; 2Cardiovascular Pathology, University of Padova, Padova, Italy; 3Cardiovascular Pathology, University of Padova, Padova, Italy


1:10 PM (155) Immediate Extubation in Patients for Heart Transplantation; J. Horswell,1 P.A. Tavakolian,2 H.T. Borno,1 S.L. Prince,1 M.A. Herbert,1 M.J. Magee,1 T.M. Dewey,1 M.J. Mack,1 Medical City Dallas Hospital, Dallas, TX; 2Pulmonary Research and Technology Institute, Dallas, TX

1:15 PM (156) Hypercholesterolemia in Heart Transplant Patients on Proliferation-Signal Inhibitors: Is Statin Therapy Effective?; M.M. Kütleson,1 M.A. Kawano,1 J.K. Patel,1 M.Y. Tajnik,1 K.K. Kiyosaki,1 J. Kawano,1 A. Ardehali,1 J.A. Kobashigawa,1 Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

1:20 PM (157) Survival Statistics in Heart Transplant Patients with Increased BMI; A. Kashem,1 T. Hollander,1 D.G. Beltramo,1 J.T. Fitzpatrick,1 S. Furukawa,1 J.B. McClurken,1 P.J. Matter,1 A.A. Bove2Cardiomyopathy and Heart Surgery, University Hospital, Zurich, Switzerland; 2Division of Pediatric Pulmonology, University Children Hospital, Zurich, Switzerland
The Influence of the Duration of Ventricular Assist Device Support on Survival Following Heart Transplantation; S. H. Brann, R. L. Kormos, K. R. McCurry, Y. Toyota, J. Teuteberg, D. McNamara, J. K. Bhama, C. A. Bermudez, Heart, Lung and Esophageal Surgery Institute, University of Pittsburgh Medical Center, Pittsburgh, PA; Department of Cardiology, University of Pittsburgh Medical Center, Pittsburgh, PA

Improved Survival after Heart Transplantation in Patients with Bridge to Transplant in Recent Era – The University of Wisconsin Experience; S. Osaki, N. M. Edwards, M. R. Johnson, L. Lozonschi, M. A. Murray, T. Kohmoto, Cardiothoracic Surgery, University of Wisconsin, Madison, WI; Heart Failure and Transplant Cardiology, University of Wisconsin, Madison, WI

Intralymphocytic Cyclosporine Exposure Is Not Accurately Predicted by C0 or C2 Blood Levels in Everolimus Treated Patients; F. Gustafsson, G. A. Barth, J. Sheedy, M. Nsouli, D. H. Delgado, H. J. Ross, Heart Failure and Transplant, Toronto General Hospital, Toronto, ON, Canada; Department of Haematology, UHN, Toronto, ON, Canada

Impact of De Novo Everolimus-Based Immunosuppression on Wound Healing and Tissue Regeneration in Heart Transplantation; A. Zuckermann, J. Arison, S.-S. Wang, M. MacCherini, E. Vermees, C. Bara, H. Ross, G. Lauffer, H. Lehmkuhl, A. M. Keogh, C. Sips, Unistituten Wien Allgemeines Krankenhaus Universitaetskliniken, Vienna, Austria; Hospital Universitario Reina Sofia, Cordoba, Spain; National Taiwan University Hospital, Taipei, Taiwan; Policlinico Le Scotte – Universitá degli Studi, Siena, Italy; Hôpital Henri Mondor, Creteil, France; Medizinische Hochschule Hannover, Hannover, Germany; Toronto General Hospital, Toronto, Canada; Universitaetsklinik fuer Chirurgie, Innsbruck, Austria; Deutsches Herzzentruman Berlin, Berlin, Germany; St Vincents Hospital, Darlinghurst, Australia; Novartis Pharma AG, Basel, Switzerland

Sirolimus Use in Heart Transplant Recipients Is Associated with a High Incidence of Adverse Reactions Requiring Drug Discontinuation; M. X. Pham, P. K. Sarna, G. P. Bhumireddy, V. D. Evert, J. F. Abella, H. A. Valantine, S. A. Hunt, Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA

Microalbuminuria Is Strongly Associated with Long-Term Cyclosporine Immunosuppression and with Reduced Renal Function in Heart Transplanted Patients: A Better Predictive Index?; R. Fiocchi, A. Iacovoni, A. Sebastiani, A. Fontana, C. Ottomano, L. Gandolfi, L. Michetti, A. Gamba, Cardiovascular Department, Ospedali Riuniti, Bergamo, Italy; Laboratory Department, Ospedali Riuniti, Bergamo, Italy

Microalbuminuria Is Strongly Associated with Long-Term Cyclosporine Immunosuppression and with Reduced Renal Function in Heart Transplanted Patients: A Better Predictive Index?; R. Fiocchi, A. Iacovoni, A. Sebastiani, A. Fontana, C. Ottomano, L. Gandolfi, L. Michetti, A. Gamba, Cardiovascular Department, Ospedali Riuniti, Bergamo, Italy; Laboratory Department, Ospedali Riuniti, Bergamo, Italy

Comparison of Observed Survival after Ventricular Assist Device Placement vs. Predicted Survival without Assist Device Using the Seattle Heart Failure Model; S. V. Pamboukian, T. Nielsen, R. N. Brown, W. Holman, J. K. Kirklin, I. Singla, P. Blood, J. A. Tallaj, B. Rayburn, R. Benza, R. C. Bourge, W. C. Levy, Cardiovascular Diseases, University of Alabama at Birmingham, Birmingham, AL; Cardiovascular Surgery, University of Alabama at Birmingham, Birmingham, AL; Cardiology, University of Washington, Seattle, WA

Left Ventricular Dimension Predicts Successful Myocardial Recovery and Device Explant in Nonischemic Cardiomyopathy Patients Requiring Mechanical Circulatory Support; M. A. Simon, J. J. Teuteberg, R. L. Kormos, M. Siegenthaler, H. Shah, J. Gorscans, D. M. McNamara, Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA; Department of Cardiothoracic Surgery, University of Pittsburgh, Pittsburgh, PA

Impact of Age on Outcomes of Ventricular Assist Devices Utilized as Bridge to Cardiac Transplantation; M. H. Kwan, J. D. Morique, M. D. Plunkett, A. Ardehali, R. E. Beygui, D. Marelli, R. Jocson, H. Laks, R. J. Shemin, F. Esmailian, Surgery, Division of Cardiothoracic Surgery, UCLA Medical Center, Los Angeles, CA; Medicine, Division of Cardiology, UCLA Medical Center, Los Angeles, CA

Neurocognitive Evaluation of Patients Receiving Continuous Flow Left Ventricular Assist Devices (LVADs); R. J. Petretti, S. D. Russell, D. M. Mancini, S. Wright, D. Dorduno, K. A. Idrissi, D. J. Farrar, K. D. Aaronson, Drexel University College of Medicine, Philadelphia, PA; Johns Hopkins Hospital, Baltimore, MD
3:15 PM (169) Effect of Intracorporeal Ventricular Assist Devices on the Risk of Mortality or Retransplantation Following Cardiac Transplantation – An Analysis of the United Network for Organ Sharing (UNOS) Registry; V. Patlolla, 1 D. DeNofrio, 1 R.D. Patten, 1 M.A. Konstam, 1 R. Krishnamani, 1 Division of Cardiology, Tufts’-New England Medical Center, Boston, MA

3:30 PM (170) Levitronix CentriMag Short-Term Ventricular Assist Device as a “Bridge-to-Bridge” Solution; A. Loforte, 1 T. Krabatsch, 1 Y. Weng, 1 M. Pasic, 1 T. Drews, 1 R. Hetzer, 1 Cardio-Thoracic Surgery Department, Deutsches Herzzentrum Berlin, Berlin, Germany

2:15 PM - 3:45 PM
CONCURRENT SESSION 13: Clinical Heart Transplantation: Outcomes I (Rooms 304-306)

Chairs: Diego H. Delgado, MD and Stephan Schueler, MD, PhD, FRCS

2:15 PM (171) Impact of Interaction of Donor Characteristics on Post-Transplant Survival. A Multi-Institutional Analysis; J. Stehlik, 1, 2 D.S. Feldman, 2 R.N. Brown, 6 A.B. van Bakel, 3 S.D. Russell, 4 G. Ewald, 5 M.E. Hagan, 7 J. Folsom, 5 J.K. Kirklin, 4 Cardiac Transplant Research Database 1 U.T.A.H. Cardiac Transplant Program, Salt Lake City, UT; 2 Ohio State Univ., Columbus, OH; 3 Medical University of South Carolina, Charleston, SC; 4 The Johns Hopkins Hospital, Baltimore, MD; 5 Washington University School of Medicine, St. Louis, MO; 6 University of Alabama at Birmingham, Birmingham, AL; 7 SLC VA HCS, U.T.A.H. Cardiac Transplant Program, Salt Lake City, UT

2:30 PM (172) Trends in Adult Heart Transplantation: A UK Survey; J. Thekkudan, 1 C. Rogers, 1 H.L. Thomas, 2 R.S. Bonser, 1 N.R. Banner, 1 On Behalf of the Steering Group, UK Cardiothoracic Transplant Audit, Clinical Effectiveness Unit, The Royal College of Surgeons of England, London, United Kingdom; 2 UK Transplant, Bristol, United Kingdom

2:45 PM (173) Volume-Outcome Relationship in Cardiac Transplantation; J.H. Shuhaiber, 1 J. Moore, 2 D.B. Dyke, 3 1 Department of Thoracic and Cardiovascular Surgery, Loyola University Stritch School of Medicine, Chicago, IL; 2 SRTR, Arbor Research, Ann Arbor, MI; 3 Division of Cardiovascular Medicine, University of Michigan Health System, Ann Arbor, MI

3:00 PM (174) Different Immunosuppressive Approaches, Similar Outcomes. ISHLT Registry Analysis; J. Stehlik, 1, 2 L.B. Edwards, 3, 5 D.O. Taylor, 3, 5 1 U.T.A.H. Cardiac Transplant Program, Salt Lake City, UT; 2 SLC VA Health Care System, Salt Lake City, UT; 3 United Network for Organ Sharing, Richmond, VA; 4 Cleveland Clinic Foundation, Cleveland, OH; 5 International Society for Heart and Lung Transplantation, Addison, TX

3:15 PM (175) Traditional Modifiable Risk Factors: What Is Their Significance Following Heart Transplantation?; S. Arora, 1 A.K. Andreassen, 1 S. Simonsen, 1 E. Gude, 1 A. Fiane, 2 O. Geiran, 2 L. Gullestad, 1 1 Department of Cardiology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 2 Department of Cardiothoracic Surgery, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway

3:30 PM (176) Calcitriol Deficiency Is Associated with Increased Mortality Risk in Cardiac Transplant Recipients; A. Zittermann, 1 S.S. Schleithoff, 1 C. Gotting, 1 U. Fuchs, 1 J. Kuhn2, S. Wlost, 1 K. Kleesiek, 2 G. Tenderich, 1 R. Koerfer1 1 Klinik fuer Thorax- und Kardiovaskularchirurgie, Herz- und Diabeteszentrum NRW, Bad Oeynhausen, Germany; 2 Institut fuer Laboratoriums- und Transfusionsmedizin, Herz- und Diabeteszentrum NRW, Bad Oeynhausen, Germany

2:15 PM - 3:45 PM
CONCURRENT SESSION 14: Reflux and Aspiration: Fact or Fantasy (Room 312)

Chairs: Frank D’Ovidio, MD, PhD and Geert M. Verleden, MD, PhD

2:15 PM (177) Azithromycin Reduces Bile Acid Aspiration in Lung Transplant Recipients; V. Mertens, 1 K. Blondeau, 1 B.M. Vananndercraer, 2 R. Vos, 2 D.E. Van Raemdonck, 2, 3 G.M. Verleden, 2, 3 L.J. Dupont, 2, 3 D. Sifrim, 7 Center for Gastroenterological Research, University Hospital Gasthuisberg, Leuven, Belgium; 2 Laboratory of Pneumology, Catholic University Leuven, Leuven, Belgium; 3 Lung Transplantation Unit, University Hospital Gasthuisberg, Leuven, Belgium

2:30 PM (178) Does Pepsin in Gastric Juice Aspirated into the Lung Allograft Stimulate Mucus Hypermecreation?; R. Stovold, 1 P.A. Corris, 1 A.J. Fisher, 1 J.L. Lordan, 2 J.P. Pearson, 1 C. Ward, 2 Institute of Cell Molecular Biosciences, Newcastle University, Newcastle-upon-Tyne, United Kingdom; 2 Institute of Cellular Medicine, Newcastle University, Newcastle-upon-Tyne, United Kingdom
2:45 PM (179) Is Airway Colonization by P. aeruginosa Associated with Bile Acid Aspiration after Lung Transplantation?; S. Devleeschauwer,1 R. Vos,2 K. Blondeau,2 V. Mertens,2 B.M. Vanaudenaerde,1 D. Sifrim,2 G.M. Verleden,1 I.J. Dupont,1 1Laboratory of Pneumology, Katholieke Universiteit Leuven, Leuven, Belgium; 2Laboratory of Gastro-Enterology, Katholieke Universiteit Leuven, Leuven, Belgium; 3Lung Transplantation Unit, University Hospital Gasthuisberg, Leuven, Belgium

3:00 PM (180) Early Fundoplication Reduces the Incidence of Chronic Allograft Dysfunction in Patients with Gastroesophageal Reflux Disease; K.R. Balsara,1 E. Cantu,1 E.L. Bush,1 J.Z. Appel,1 M.G. Hartwig,1 S.S. Lin,1 R.D. Davis,1 1Surgery, Duke University Medical Center, Durham, NC

3:15 PM (181) Pepsin or Bile Acids: What Is the Best Marker of Gastric Aspiration in Lung Transplant Recipients?; V. Mertens,1 K. Blondeau,2 B.M. Vanaudenaerde,2 R. Vos,2 D.E. Van Raemdonck,2,3 G.M. Verleden,2,3 D. Sifrim,1 I.J. Dupont,1,3 1Center for Gastroenterological Research, University Hospital Gasthuisberg, Leuven, Belgium; 2Laboratory of Pneumology, Catholic University Leuven, Leuven, Belgium; 3Lung Transplantation Unit, University Hospital Gasthuisberg, Leuven, Belgium

3:30 PM (182) Longer Term Outcomes of Lapesopic Fundoplication in Patients after Lung Transplant; P. Burton,1 B.M. Button,2 M. Lee,1 S. Roberts,1 B.J. Levvey,4 A. Smith,1 W. Brown,1 G.L. Shel,4 1Department of Surgery, The Alfred Monash University, Melbourne, Victoria, Australia; 2Department of Respiratory Medicine, The Alfred, Melbourne, Victoria, Australia; 3Department of Gastroenterology, The Alfred, Melbourne, Victoria, Australia; 4Lung Transplant Service, The Alfred Monash University, Melbourne, Victoria, Australia

2:15 PM - 3:45 PM CONCURRENT SESSION 15: Controversies in Advanced Heart Failure (Room 302)

Chairs: Luigi Martinelli, MD and Patricia A. Uber, PharmD

2:15 PM Invited Lecture: Targeting the Right Ventricle in Heart Failure: Established Mandates, Thomas G. DiSalvo, MD, Vanderbilt University Medical Center Nashville, TN

2:30 PM (183) The Impact of Implantable Cardiac Defibrillator (ICD) on Survival of UNOS Status 2 Candidates for Heart Transplantation (HT) – Analysis of UNOS/OPTN Data 2000-2006; K. Liets,1 D. Mancini,1 1Center for Advanced Cardiac Care, Columbia-Presbyterian Medical Center, New York

2:45 PM (184) Utility of the Seattle Heart Failure Model in Patients with Advanced Heart Failure Treated with Implantable Cardioverter Defibrillators and/or Biventricular Pacemakers; C. D'Amico,1 V. Georgiopoulou,1 A. Kalogeropoulos,1 G. Giampazis,1 P. Anarado,1 J. Larned,1 S. Waheed, W. Book, V. Baviakati, S. Laskar, S. Agha, A. Smith, J.D. Vega, J. Butler 1Emory University School of Medicine, Atlanta

3:00 PM (185) Listing for Cardiac TXP among Adults with Congenital Heart Disease (CHD) in the UNOS Database; R.R. Davies,1 M.J. Russo,2 S.R. Mital,1 A.C. Gelijns,1 A.J. Moskowitz,1 R.S. Mosca,1 J.M. Chen,1 1Division of Cardiothoracic Surgery, Children’s Hospital of NewYork-Presbyterian, New York, NY; 2International Center for Health Outcomes and Innovations Research, Columbia University Medical Center, New York, NY; 3Hospital for Sick Children, Toronto, ON, Canada

3:15 PM (186) Role of NT-proBNP and Right Heart Catheterization Measurements in Predicting Outcome of Patients Referred for Heart Transplantation; L. Patena, A. Scalone, F. Grigioni, L. Tomassi, F. Coccolo, G. Magnani, F. Fallani, A. Russo, A. Branzon 1Institute of Cardiovascular Diseases, University of Bologna, Bologna, Italy

3:30 PM Invited Lecture: Targeting Mitral Regurgitation in Advanced Heart Failure: Established Mandates, Todd M. Koelling, MD, University of Michigan, Ann Arbor, MI

2:15 PM - 3:45 PM CONCURRENT SESSION 16: Predictors of Complications after Pediatric Thoracic Transplant (Room 311)

Chairs: Paul Aurora, MRCP and Yuk M. Law, MD

2:15 PM (187) CMV Causes Intimal Thickening in the Coronary and Systemic Vasculature of Pediatric Heart Transplant Recipients; J.D. Simmonds,1 M.J. Fenton,1 H.E. Dawkins,1 C.A. Dewar,1 E.A. Ellins,1 J.P. Halcox,2 M. Burch,1 1Department of Paediatric Cardiology, Great Ormond Street Hospital for Children, London, United Kingdom; 2Department of Vascular Physiology, Institute of Child Health, London, United Kingdom

2:30 PM (188) Coronary Flow Reserve Differentiates Stable from Progressive Transplant Coronary Artery Disease in Pediatric Heart Recipients; C. Tissot,1 B.A. Pietra,1 M.M. Boucek,2 D.J. Gilbert,1 D.N. Campbell,1 M.B. Mitchell,1 S.M.
Miyamoto,1 1Heart Institute, The Children's Hospital, Denver, CO; 2The Cardiac Center, Joe DiMaggio Children's Hospital, Hollywood, FL

2:45 PM (189) Pediatric Cardiac Allograft Vasculopathy: Early Non-Invasive Detection by Diastolic Impairment Investigated with Tissue Doppler Imaging; E. Raimondi,1 L. Pasquini,1 F. Parisi,1 M. Drago,1 A. Toscano,1 V. Di Ciammo,2 M. Gagliardi,1 R. Iacobelli,1 S.P. Sanders,3 Dept. of Pediatric Cardiology and Cardiac Surgery, Bambino Gesù Pediatric Hospital, Rome, Italy; 2Dept. of Epidemiology and Statistics, Bambino Gesù Pediatric Hospital, Rome, Italy

3:00 PM (190) Respiratory Viral Infections within One Year after Lung Transplant Associated with Decreased Survival; M. Liu,1 S. Worley,1 S. Arrigan,1 P. Aurora,1 M. Ballmann,1 D. Boyer,1 C. Conrad,1 J. Eichler,6 O. Eledemir,7 S. Goldfarb,8 G.B. Mallory, Jr.,1 P. Michelson,3 P.J. Mogayzel, Jr.,10 D. Parakininds,11 G. Visner,1 S. Sweet,9 A. Faro,3 M. Michaels,3 L.A. Danziger-Isakov,1 Cleveland Clinic, Cleveland; “Great Ormond Street Hospital Institute of Child Health, London, United Kingdom; 9Hannover Medical School, Hannover, Germany; 7Baylor College of Medicine

3:15 PM (191) The Renin Angiotensin Genotype: A Risk Factor for Renal Insufficiency in Patients Undergoing Cardiac Transplantation; S.R.Auerbach,1 C. Manhjot,1 S. Reddy,1 B. McCrindle,1 J.M. Chen,1 J.J. Addonizio,1 W.K. Chung,1 S. Mital,1 Pediatric Cardiology, Columbia University, Morgan Stanley Children’s Hospital of New York, New York, NY; 2Pediatric Cardiac Surgery, Columbia University, Morgan Stanley Children’s Hospital of New York, New York, NY; 3Pediatric Cardiology, University of Toronto, The Hospital for Sick Children, Toronto, ON, Canada; 4Genetics, Columbia University, Morgan Stanley Children’s Hospital of New York, New York, NY

3:30 PM (192) Socioeconomic Position and Graft Failure in Pediatric Heart Transplant Recipients; T.P. Singh,1 K. Gauvreau,1 E.D. Blume,1 H. Bastardi,1 J.E. Mayer,2 Cardiology, Children’s Hospital Boston, Boston, MA; 3Cardiac Surgery, Children’s Hospital Boston, Boston, MA

2:15 PM - 3:45 PM
CONCURRENT SESSION 17: Challenges in Pathology of Thoracic Transplants (Room 310)

Chairs: Charles C. Marboe, MD and Annalisa Angelini, MD


2:30 PM (194) Validation of a Thrombosis/Activation (TA) Score as an Early Biomarker for Atherothrombosis in Heart Transplant Patients; C.A. Labarrere,1 J.R. Woods,1 J.W. Hardin,2 G.L. Campana,1 M.A. Ortiz,1 M.J. Sosa,4 C.L. Walker,1 D.E. Pitts,1 J.A. O’Donnell, D.A. Hormuth 1Methodist Research Institute, Clarian Health Partners, Indianapolis, IN; 2Epidemiology and Biostatistics, University of South Carolina, Columbia, SC; 3Kramett Institute of Cardiology, Indianapolis, IN

2:45 PM (195) Integrin Profile Changes after Left Ventricular Assist Device Support; J. van Kuik,1 M.F.M. van Oosterhout,1 W. Sohns,1 E. Siera,1 D.F. van Wicher,1 N. de Jonge,1 M.E.I. Schipper,1 R.A. de Weger,1 Pathology, University Medical Center, Utrecht, Netherlands; 2Heart Lung Center, University Medical Center, Utrecht, Netherlands

3:00 PM (196) Variability in the Pathologic Interpretation of Trans-Bronchial Lung Biopsy after Lung Transplantation. Clinical Implications; S.M. Arezou,1 C. Marboe,1 S. Keshavjee,1 H.D. Tazelaar,1 J.S. Wilt,1 P.A. Corriss,1 D. Weill,1 K.R. McCurry,1 D. Davis,1 J.G. Golden,1 M. Struebev,9 S. Sweet,6 P. Jaksch,11 M. Budev,12 M. Mulligan,13 D.B. Erasmus,14 E.P. Trulock,10 M. Zamora,1 I. Mahmood,16 J. Phillips,16 J. Prentice,16 K.C. Fang,16 G. Berry,5 Lung Transplantation Program, Columbia University Medical Center, New York, NY; 2Division of Thoracic Surgery, Toronto General Hospital, Toronto, ON, Canada; 3Department of Pathology, Mayo Clinic, Scottsdale, AZ; 4University of New Castle, New Castle, United Kingdom; 5Stanford University, Stanford, CA; 6University of Pittsburgh, Pittsburgh; 7Duke University, Durham, NC; 8University of California, San Francisco, CA; 9Hannover Medical School, Hannover, Germany; 10Washington University, St. Louis, MO; 11University Hospital, Vienna, Austria; 12Cleveland Clinic Foundation, Cleveland, OH; 13University of Washington, Seattle; 14Mayo Clinic Jacksonville, Jacksonville, FL; 15University of Colorado, Denver, CO; 16AXD, Brisbane, CA

3:15 PM (197) FOXP3-Expressing T-Regulatory Cells Increase with the Severity of Inflammation and Allograft Rejection in Heart Transplants; E.A. Hamad,1 M. Zeltsman,1 J.L. Farber,2 P.J. Mather,2 Medicine, Thomas Jefferson University, Philadelphia, PA; 2Pathology, Thomas Jefferson University, Philadelphia, PA
3:30 PM Invited Lecture: ISHLT Classification for Diagnosis of Acute Rejection in the Heart: The Reality of Daily Use, Gayle L. Winters, MD, Brigham and Women’s Hospital, Boston, MA

3:45 PM – 4:15 PM
Coffee Break (Exhibit Hall A)

4:15 PM - 5:45 PM
CONCURRENT SESSION 18: Complications of Circulatory Support (Ballrooms A-C)

Chairs: Christof Schmid, MD and Stephen Tsui, MD, FRCS

4:15 PM (198) Renal Dysfunction before Ventricular Assist Impacts Renal Function Post-Transplant, Despite Improvements in Renal Function during Ventricular Support; J.J. Teuteberg, J. Novack, M. Shullo, M.A. Simon, L. Kathleen, J. Coyne, M. Siegenthaler, K. McCurry, D. McNamara, R. Kormos, Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA; School of Medicine, University of Pittsburgh, Pittsburgh, PA; Department of Pharmacy and Therapeutics, University of Pittsburgh, Pittsburgh, PA; Heart, Lung and Esophageal Institute, University of Pittsburgh, Pittsburgh, PA

4:30 PM (199) Strategies To Reduce the Incidence of LVAD-Related Infections; E. Jweied, L. Joyce, K. Liao, R. John, Division of Cardiothoracic Surgery, University of Minnesota, Minneapolis, MN


5:00 PM (201) Preoperative MELD Score Predicts LVAD Operative Transfusion Requirements and Postoperative Complications; L.C. Matthews, F.D. Pagani, J.W. Haft, T.M. Koelling, K.D. Aaronson, Internal Medicine, Division Cardiovascular Medicine, University of Michigan, Ann Arbor, MI; Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI

5:15 PM (202) Incidence of Infection Following HeartMate I and HeartMate II Left Ventricular Assist Device Implantation; J.M. Schaffer, E.S. Weiss, N.D. Patel, S.D. Russell, A.S. Shah, J.V. Conte, Division of Cardiac Surgery, Department of Surgery, The Johns Hopkins University School of Medicine, Baltimore, MD; Division of Cardiology, Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD

5:30 PM (203) Right Ventricular Failure (RVF) in Patients with Continuous Flow Left Ventricular Assist Devices (LVAD); R.L. Kormos, J. Teuteberg, S.D. Russell, T. Massey, D. Feldman, N. Moazami, D.J. Farrar, C. Milano, Heart Lung and Esophageal Institute, University of Pittsburgh, Pittsburgh, PA; Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA; Department of Medicine, Johns Hopkins Hospital, Baltimore, MD; Surgery, University of Rochester, Rochester, NY; Surgery, Ohio State University, Columbus, OH; Barnes-Jewish Hospital, St. Louis, MO; Thoratec Corporation, Pleasanton, CA; Surgery, Duke University Medical Center, Durham, NC

4:15 PM - 5:45 PM
CONCURRENT SESSION 19: Clinical Heart Transplantation: Outcomes II (Rooms 304-306)

Chairs: Joseph Stehlik, MD, MPH and Edoardo G. Gronda, MD

4:15 PM (204) Making Sense of Immunosenescence in Older Heart Transplant Recipients; J.K. Patel, B. Simenhoff, M.M. Kittleson, M.A. Kawano, A. Ardehali, J.A. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

4:30 PM (205) Long Term Outcome of Heart Transplant in the Elderly; D. Marelli, J.A. Kobashigawa, M.A. Hamilton, E. Noguchi, J.D. Moriguchi, J.K. Patel, H. Laks, F. Esmailian, R. Beygui, M.D. Plunkett, A. Ardehali, Cardiac Surgery, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA

4:45 PM (206) Selection of Older Donor Hearts with Coronary Angiography Does Not Reduce Mortality or the Prevalence of Graft Atherosclerosis in Heart Transplant Recipients; A. Jeppsson, S. Dahlman, U. Nystrom, C.-H. Bergh, V. Sigurdardottir, F. Nilsson, Cardiothoracic Surgery and Transplantation, Sahlgrenska University Hospital, Gothenburg, Sweden; Cardiology, Sahlgrenska University Hospital, Gothenburg, Sweden
5:00 PM (207) Does Donor Cocaine Use Adversely Impact Outcomes Following Cardiac Transplantation?; J.K. Bhama, R.L. Kormos, J.J. Teuteberg, Y. Toyoda, M.D. Navoney, M.A. Shullo, K.R. McCurry, C. Bermudez,
1Heart, Lung & Esophageal Surgery Institute, University of Pittsburgh Medical Center, Pittsburgh, PA


5:30 PM (209) Influence of ABO-Compatible Transplantation on Long-Term Outcome in Cardiac Transplant Recipients; A.Z. Aliabadi, D. Dunkler, S.L. Mahr, M.E. Paireder, M. Grömmner, G. Seebacher, D. Zimpfer, E. Wolner, M. Grimm, A. Kocher, A.O. Zuckermann, Department of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria

4:15 PM - 5:45 PM CONCURRENT SESSION 20: Antibodies, Cells and Cirrhosis in Lung Transplantation (Room 312)

4:15 PM (210) Improved Outcome of Lung Transplantation in Highly Sensitized Recipients; R.Y. Kremer, S. Keshavjee, C. Gutierrez, L. Singer, T. Waddel, M. de Perrot, A. Pierre, M. Hutcheon, C.-W. Chow, K. Tinckham, D. Barth, C. Chaparro, Lung Transplant Program, University of Toronto, Toronto, ON, Canada

4:30 PM (211) False Negative Virtual Crossmatch in Lung Transplantation; K. Parekh, E. Field, N. Zavaezawa, M. Iannettoni, B. Peters, J. Klesney-Tait, Internal Medicine, University of Iowa Hospitals and Clinics, Iowa City, IA; Cardiothoracic Surgery, University of Iowa Hospitals and Clinics, Iowa City, IA

4:45 PM (212) An Analysis of 2697 Transbronchial Biopsies: Is Lymphocytic Bronchiolitis a Marker of Acute Rejection?; C.M. Burton, J. Carlsen, M. Iversen, C.B. Andersen, Department of Cardiology, Rigshospitalet, Copenhagen, Denmark; 2Department of Pathology, Rigshospitalet, Copenhagen, Denmark

5:00 PM (213) A Multivariate Analysis on the Association between CD4+CD25high Peripheral Treg Cells and Clinical and Functional Variables; F. Meloni, C. Tinelli, N. Solari, M. Morosini, P. Draghi, M. Vigani, A.M. Fietta, 1Department of Haematological Pneumological Cardiovascular Sciences, Section of Pneumology, University of Pavia IRCCS San Matteo Foundation, Pavia, Italy; 2Unit of Clinical Epidemiological and Biometry, University of Pavia IRCCS San Matteo Foundation, Pavia, Italy; 3Department of Cardiothoracic Surgery, University of Pavia IRCCS San Matteo Foundation, Pavia, Italy

5:15 PM (214) Retrospective Case Control Study Comparing Outcomes Post-Lung Transplantation in Cystic Fibrosis Patients with and without Cystic Fibrosis-Related Liver Cirrhosis; E.F. Nash, A.S. Coonar, P.R. Durie, L.G. Singer, S. Keshavjee, C. Chaparro, Lung Transplant Program, University Health Network, University of Toronto, Toronto, ON, Canada; Division of Gastroenterology and Nutrition, Hospital for Sick Children, Toronto, ON, Canada

5:30 PM (215) Lung Transplantation Is Not Contraindicated in Patients on Everolimus; M.A. Malouf, A.R. Glanville, Lung Transplant Unit, St. Vincents Hospital, Sydney, NSW, Australia

4:15 PM - 5:45 PM CONCURRENT SESSION 21: Pre-Transplant Psycho-Social Adaptation with the Post Transplant Quality of Life (Room 302)

4:15 PM (216) Quality of Life and Functional Outcomes of Patients Undergoing Lung Transplantation for Pulmonary Fibrosis; D. Lien, M. Loadman, J. Holman, K. Jackson, J. Mullen, K. Stewart, D. Modry, J. Weinkauf, Lung Transplant Program, University of Alberta, Edmonton, AB, Canada

4:30 PM (217) Caregivers of Lung Transplant Recipients Exhibit High Risk for Psychological Symptoms; C.J. Gries, R.A. Engelberg, J.R. Curtis, J.D. Edelman, G. Raghu, M.S. Mulligan, C.H. Goss, Medicine, University of Washington, Seattle, WA; Surgery, University of Washington, Seattle, WA

4:45 PM (218) Perceived Quality of Life of Children after Successful Bridging to Transplant; J.Wray, T. Lunnon-Wood, E. Smith, K. Brown, M. Burch, Cardiothoracic Transplantation, Great Ormond Street Hospital for Children NHS Trust, London, United Kingdom
5:00 PM (219) Adverse Family Social Circumstances and Long-Term Outcome after Paediatric Cardiac Transplant; R. Ramiah, J. Wray, T. Lunnan Wood, M. Fenton, M. Burch, K. Brown, Cardiac Unit, Great Ormond Street Hospital, London, United Kingdom

5:15 PM (220) Quality of Life in Adult Survivors Greater Than 10 Years Post Pediatric Heart Transplantation: A Pilot Study; R.A. Petroski, R.L. Grady, C. Sullivan, S. Rodgers, C.L. Backer, E. Pahl, Cardiology and CV Surgery, Children's Memorial Hospital, Northwestern Feinberg School of Medicine, Chicago, IL; Cardiothoracic Surgery, Northwestern University, Feinberg School of Medicine, Chicago, IL

5:30 PM (221) Comparison of Survival and Costs between Transplantation and Medical Treatment of End Stage Heart Failure; V.S. Vaidya, M.V. Yajnik, P. Heidenreich, M.A. Kawano, A.S. Vaidya, J.K. Patel, M.M. Kittleson, A.K. Ankom, A. Ardehali, J.A. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

4:15 PM - 5:45 PM CONCURRENT SESSION 22: Management of Emerging Infection in Heart & Lung Transplantation (Room 311)

Chairs: Robyn L. Boedefeld, MD and Margaret M. Hannan, MD

4:15 PM (222) Atypical Mycobacteria in Lung Transplant Recipients; A.K. Lau, R.K. Elwood, J.M. Wilson, J. Yee, R.D. Levy, Department of Respiratory Medicine, University of British Columbia, Vancouver, BC, Canada; Division of Tuberculosis Control, British Columbia Centre for Disease Control, Vancouver, BC, Canada; Department of Surgery, University of British Columbia, Vancouver, BC, Canada

4:30 PM (223) Use of an Immune Monitoring Assay To Distinguish between Fungal Colonization and Fungal Disease in Lung Transplant Recipients; S. Husain, J. Pilewski, K. Spichy, D. Zaldonis, M. Schuetz, M. Zanor, C. Carey, R. Kowalski, D. Post, J. Britz, K. McCurry, A. Zeevi, Division of Infectious Diseases, Transplant Infections, Pathology and Surgery, University of Pittsburgh, Pittsburgh, PA; Clinical Studies, Cylex Inc., Columbia, MD

4:45 PM (224) Fungal Infections in Pediatric Lung Transplant Recipients: Colonization and Invasive Disease; M. Liu, S. Worley, G.B. Mallory, J.R. Robertson, M.G. Schecter, L.A. Danziger-Isakov, Cleveland Clinic Lerner College of Medicine, Cleveland; Baylor College of Medicine, Texas Children's Hospital, Houston

5:00 PM (225) Safe Management of Posaconazole-Tacrolimus Interaction in Cystic Fibrosis Lung Transplant Patients (CF); E.M. Billaud, P. Chevalier, M. Berge, R. Guillemain, M. Benammar, C. Amrein, A. Moriceau, V. Boussaud, Pharmacology, APHP, Hopital Europeen Georges Pompidou, Paris, France; Cardiovascular Surgery, APHP, Hopital Europeen Georges Pompidou, Paris, France; Paris Descartes, Paris, France

5:15 PM (226) Use of Posaconazole, a New Broad Spectrum Triazole Antifungal, in Lung Transplantation; D.C. Chambers, L.K. Nguyen, C.H. Heath, E. Gabbay, M. Musk, F. Kermeeen, P.M. Hopkins, Western Australian Lung Transplant Program, Royal Perth Hospital, Perth, Western Australia, Australia; Department of Microbiology, Royal Perth Hospital, Perth, Western Australia, Australia; Queensland Lung Transplant Program, The Prince Charles Hospital, Brisbane, QLD, Australia

5:30 PM (227) Oral Voriconazole Fails To Prevent Invasive Aspergillus Infection in Lung Transplant Recipients; P.M. Hopkins, F. Kermeeen, K. McNeil, Queensland Lung Transplant Unit, The Prince Charles Hospital, Brisbane, Queensland, Australia

4:15 PM - 5:45 PM CONCURRENT SESSION 23: Immunosuppression: Lessons from Animal Studies (Room 310)

Chairs: Angus W. Thomson, PhD, D.SC and Kimberly L. Gandy, MD, PhD

4:15 PM (228) Optimizing Aerosolized Tacrolimus To Prevent Cellular and Humoral Rejection; S. Schreiber, T. Dease, J. Fink, M. Haddad, R.C. Robbins, Cardithoracic Surgery, Stanford University School of Medicine, Stanford, CA; Nektar Therapeutics, Mountain View, CA; Clinical Chemistry, University Hospital Hamburg, Hamburg, Germany

4:45 PM (230) Effect of Mycophenolic Acid and Tacrolimus on Mesenchymal Stem Cells from the Human Heart; M.J. Hoogduijn, 1 A.M. Peeters, 1 S.S. Korevaar, 1 A.H. Balk, 1 L.P. Maat, 1 W. Weinan, 1 C.C. Baan, 1 Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands; 2 Thoracic Center, Erasmus Medical Center, Rotterdam, Netherlands

5:00 PM (231) Combined MMP Inhibition and Azithromycin Is Effective in Bronchiolitis Obliterans Treatment: An Experimental Lung Transplant Study; S. Aharinejad, 1, 2 K. Krenn, 2, 3 P. Paulus, 2 N. Sela, 2 D. Kovatchki, 2 S. Taghavi, 1 W. Klepetko, 1 Dept. of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria; 2 Lab. for Cardiovasc. Research, Center for Anatomy and Cell Biology, Medical University of Vienna, Vienna, Austria; 3 Dept. of Internal Medicine II, Medical University of Vienna, Vienna, Austria

5:15 PM (232) Simvastatin Treatment Inhibits the Development of Obliterative Airway Disease in Rat Tracheal Allografts; J.M. Tikkanen, 1 A.I. Nykänen, 1 M. Hollmén, 1 R. Krebs, 1 K.B. Lemström, 1 Transplantation Laboratory, University of Helsinki, Helsinki, Finland

5:30 PM (233) The Prevention of Acute Rejection with a Novel JAK Inhibitor; W. Stein, 1 S. Schrepfer, 1 K. Van Der Bogt, 1 K. Kiely, 1 M. Pelletier, 1 H. Li, 2 B. Chang, 2 V. Taylor, 2 R. Robbins, 1 Cardiothoracic Surgery, Stanford University, Stanford, CA; 2 Rigel Pharmaceuticals, South San Francisco, CA

5:45 PM - 6:45 PM

GENERAL POSTER SESSION II (Exhibit Hall A)

WINE AND CHEESE EXHIBIT RECEPTION (Exhibit Hall A)

(234) Novel Serum Biomarkers in Heart Failure Patients Undergoing Cardiac Transplantation; S. Aharinejad, 1, 2 O. Andrukhova, 2 K. Krenn, 2 R. Schafer, 2 C. May, 2 A. Zuckermann, 2 E. Wolner, 1 M. Orimmm, 1 Dept. of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria; 2 Lab. for Cardiovasc. Research, Center for Anatomy and Cell Biology, Medical University of Vienna, Vienna, Austria; 3 Dept. of Internal Medicine II, Medical University of Vienna, Vienna, Austria

(235) Baseline and 6 Months B-Type Natriuretic Peptide Changes Are Independent Predictors of Events in Patients with Advanced Heart Failure Awaiting for Cardiac Transplantation; C. Campana, 1 G. Alessandrino, 1 M. Pasotti, 1 C. Klersy, 1 R. Albertini, 1 G. Magrini, 1 S. Ghio, 1 L. Tavazzi, 1 Lab. of Clinical Chemistry, Fondazione IRCCS Policlinico San Matteo, Pavia, Lombardia, Italy; 2 Clinical Epidemiology and Biometry Service, Fondazione IRCCS Policlinico San Matteo, Pavia, Lombardia, Italy; 3 Laboratory of Clinical Chemistry, Fondazione IRCCS Policlinico San Matteo, Pavia, Lombardia, Italy

(236) Risk Factors for Acute Renal Failure Requiring Hemodialysis Immediately after Heart Transplantation; E. Guide, 1 A.K. Andreassen, 1 L. Guldestad, 1 S. Arora, 1 A. Hartmann, 1 T. Leivestad, 1 O.R. Geiran, 4 S. Simonsen, 1 Dept of Cardiology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 2 Dept of Medicine, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 3 Dept of Immunology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 4 Dept of Thoracic and Cardiovascular Surgery, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway

(237) Clinical Usefulness of an Implantable Thoracic Impedance Monitoring and Alert System; F. Oliva, 1 M. Landolina, 1 G. Vergara, 1 G. Zanotto, 1 A. Varbaro, 1 M. Frigerio, 1 U.O. Insufficienza Cardiaca e Scompenso, Ospedale Niguarda Ca’ Granda, Milano, Italy; 2 U.O. Elettrofisiologia ed Elettrostimolazione, IRCCS Policlinico San Matteo, Pavia, Italy; 3 U.O. Cardiologia, Presidio Ospedaliero Santa Maria del Carmine, Rovereto, Italy; 4 U.O. Cardiologia, Ospedale Civile Maggiore di Borgo Trento, Verona, Italy; 5 Medtronic Italia Spa, Sesto san Giovanni, Italy

(238) Oxygen Uptake Efficiency Slope Correlates with Other Prognostic Variables in Heart Failure; S.G. Miriuka, 1 D.H. Delgado, 2 M. Walker, 3 S. Carson, 3 H.J. Ross, 3 Departamento de Cardiologia, FLENI, Buenos Aires, Argentina; 1 Department of Cardiology, Toronto General Hospital, Toronto, Canada

(239) A Decline in the VE/VCO2 Slope from Anaerobic Threshold to Peak Exercise Predicts Short Term Need for LVAD or Heart Transplant; A.L. Nutter, 1, 2 M.S. Slaughter, 2 M.A. Silver, 1, 2 Heart Failure Institute, Advocate Christ Medical Center, Oak Lawn, IL; 1 Heart Transplant and Mechanical Circulatory Support Programs, Advocate Christ Medical Center, Oak Lawn, IL; 2 College of Engineering, University of Iowa, Iowa City, IA

(240) Evaluation of the Seattle Heart Failure Model in 150 LVAD Recipients; S.K. Prakash, 1 W.C. Levy, 2 B. Radovancevic, 1 O.H. Frazier, 1 R.C. Bogarv, 1 R.C. Bogarv, 1, 2 Department of Medicine, Section of Cardiology, Baylor College of Medicine, Houston, TX; 2 Houston Methodist Hospital, Houston, TX
Outcomes of Patients Declined for Cardiac Allograft Transplantation; I. Halaweish, D. Taylor, R. Starling, G. Gonzalez-Stawinski, School of Medicine, Case Western Reserve University, Cleveland, OH; Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH; Kaufman Center for Heart Failure, Cleveland Clinic, Cleveland, OH

Validation of a Cutoff Value on Echo Doppler To Replace Right Heart Catheterization during Pre Transplant Pulmonary Hypertension Evaluation. The Impact of a Noninvasive Study; A.F. Freitas, Jr., F. Bacal, L.F.P. Moreira, C.P. Silva, S. Mangini, R. Honorato, J.L. Oliveira, Jr., A.I. Fioreli, R.M.D. Carneiro, N.A.G. Stolf, E.A. Bocchi, Heart Failure Department, Heart Institute (InCor), University of Sao Paulo Medical School, Sao Paulo, SP, Brazil

Survival in Men and Women with Left Ventricle Ejection Fraction Lower Than 30% Referred for Orthotopic Heart Transplantation; S.M. Yala, M. Cadeiras, D.M. Mancini, Y. Naka, E.V. Giardina, M.C. Deng, Columbia University, New York

Velocity Vector Imaging To Quantify Regional Left Ventricular Function in Heart Transplantation; E. Osto, F. Tona, A. Bortolami, A. Angelini, G. Gerossa, S. Biciceto, Cardiology, University of Padova, Padova, Italy; Cardiovascular Surgery, University of Padova, Padova, Italy; Cardiovascular Pathology, University of Padova, Padova, Italy


Decreased Incidence of Acute Cardiac Allograft Rejection in Combined Heart and Liver Transplant Recipients; J. Jahamyan, M. Loewe, C. Orrego, J.A. Goss, B. Bruckner, M.M. Koerner, K.A. Youker, G.P. Noon, G. Torre-Amione, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX; Methodist DeBakey Heart Center, The Methodist Hospital, Houston, TX

Tricuspid Valve Regurgitation (TR) after Heart Transplantation Using the Bicaval Anastomosis Technique; D. Marelli, J. Kobashigawa, R. Beygui, F. Esmailian, H. Laks, M. Plunket, A. Ardehali, Cardiac Surgery, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA

Anemia Is a Risk Factor for Survival after Cardiac Transplantation; A.Z. Aliabadi, D. Dunkler, G. Seebacher, S. Roedler, E. Wolner, M. Grimm, A.O. Zuckermann, Department of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria

WITHDRAWN

Importance of Tricuspid Annuloplasty at the Time of Heart Transplantation; A.M. Borkon, A. Kao, G. Zorn, R.S. Stuart, E. Daon, A. Pak, K. Allen, T. Stevens, A. Magalski, S. Lawhorn, N. Long, K. St. Clair, B. Walker, Cardiac Transplantation, Mid America Heart Institute, Saint Luke’s Hospital, Kansas City, MO

Elevated Right Atrial Pressure in Heart Transplant Recipients within the First Year after Transplant Would Be a Predictor of Preceding Renal Insufficiency; T.S. Kato, M. Yanase, N. Oda, A. Mano, K. Hashimura, T. Fanatsu, J. Kobayashi, K. Komamura, S. Kitamura, T. Nakatani, Department of Cardiovascular Medicine, National Cardiovascular Medicine, Suita, Japan; Department of Cardiovascular Surgery, National Cardiovascular Medicine, Suita, Japan; Department of Organ Transplant, National Cardiovascular Medicine, Suita, Japan


(255) Influence of the Heart Failure Etiology in Heart Transplantation Results in a 22 Years Unicenter Experience; E.A. Bocchi, F. Bacal, G. Guimaraes, F.D. Cruz, A. Fiorelli, N. Stoff, R. Chizzolla, V. Issa, S.A. Ferreira, G.C. Souza, Heart Failure Clinics, Sao Paulo University Medical School, Sao Paulo, Brazil

(256) Pacemaker Use Following Heart Transplantation; M.J. Bates, T. Duese, W.M. Yarbrough, B.A. Reitz, P.E. Oyer, R.C. Robbins, H.R. Mallidi, Department of Cardiothoracic Surgery, Stanford University, Stanford, CA

(257) Heart Transplantation (HTx) after Previous Multiple Cardiac Operations; E. Spagna, G. Guzzi, V. Tursi, M.C. Albanese, D. Miani, U. Livi, Dept of CardioThoracic Sciences, University - General Hospital, Udine, Italy


(259) First-in-Human Study of a Novel Implantable Extra-Ascending Aortic Counterpulsation Pump in Patients with End-Stage Heart Failure; C.S. Hayward, P.N. Raygrok, W.S. Peters, P. Jansz, G. O’Driscoll, R.B. Larbalestier, J.A. Smith, B. Ho, M. Leggett, F.P. Wilsom, St Vincent’s Hospital, Sydney, Australia; Auckland City Hospital, Auckland, New Zealand; Royal Perth Hospital, Perth, Australia; Southern Health Monash Medical Centre, Melbourne, Australia

(260) Body Mass Index Can Predict the Prognosis of Patients with Left Ventricular Assist System; A. Mano, K. Fujita, K. Uenomachi, K. Kazama, M. Katabuchi, K. Wada, N. Terakawa, K. Arai, Y. Hori, Nakatani, S. Kitamura, Department of Organ Transplantation, National Cardiovascular Center, Osaka, Japan; Department of Cardiovascular Surgery, National Cardiovascular Center, Osaka, Japan

(261) Single Center Experience with the Levitronix CentriMag Circulatory Support System as Short-Term Cardiac Assist in Different Clinical Scenarios; G. Bruschi, A. Cannata, C.F. Russo, M. Lanfranconi, T. Colombo, F. Milazzo, M. Frigerio, E. Vitali, A. De Gasperis, Cardiology and Cardiac Surgery Department, Niguarda Ca’ Granda Hospital, Milan, Italy

(262) BiVACOR Rotary Bi-Ventricular Assist Device Evaluation Using Epicardial and Intracardiac Echocardiography – Initial Animal In Vivo Experience; D.G. Plattz, D. Timms, J. Fraser, K. McNeil, B. Thompson, K. Wilson, K. Dunster, D. Burstow, Heart Failure and Transplant Unit, The Prince Charles Hospital, Brisbane, Queensland, Australia; School of Medicine, University of Queensland, Brisbane, QLD, Australia

(263) VentAssist Left Ventricular Assist Device; St Vincent’s Hospital Experience; I.M. Ahmed, P.M. Spratt, P. Jansz, C. Aixisa, P. MacDonald, E. Granger, Department of Cardiothoracic Surgery and Transplantation, St Vincent’s Hospital, Sydney, NSW, Australia

(264) The Association between Body Mass Index and Drive-Line Infections after Left Ventricular Assist Device Implantation; C.A. Wood, M.D. Thomas, G. O’Driscoll, Advanced Heart Failure Cardiac Transplant Service, Royal Perth Hospital, Perth, Western Australia, Australia; School of Medicine, University of Notre Dame, Fremantle, Western Australia, Australia

(265) Long Term Follow Up with the Impella Recover Left Ventricular Assist Device; K. Brehm, M.P. Siegenthaler, C. Hehrlein, T. Strecker, M. Bechtel, M. Weyand, H.H. Sievers, F. Beyersdorf, Department of Cardiothoracic Surgery, University Medical Center Freiburg, Freiburg, Germany; Department of Cardiology, University Medical Center Freiburg, Freiburg, Germany; Center of Cardiac Surgery, Friedrich-Alexander-University Erlangen-Nuremberg, Erlangen, Germany; Department of Cardio and Thoracic Vascular Surgery, University of Luebeck, Luebeck, Germany

(266) High Sensitivity C-Reactive Protein Predicts Survival in Patients Receiving Mechanical Assist Device Therapy; J.C. Teeters, W.H. Hallinan, H.T. Massey, L. Chen, Department of Cardiology, University of Rochester Medical Center, Rochester, NY; Department of Cardiothoracic Surgery, University of Rochester Medical Center, Rochester, NY

(267) ECMO To Salvage Severe Cardiogenic Shock in Advanced Heart Failure and Transplantation; D. Marelli, J.A. Kobashigawa, J.D. Moriyuchi, I. Shuvayev, S.Y. Wong, T. Kahn, J.K. Patel, R. Beygui, F. Esmaillian, H. Laks, M.D. Plunkett, A. Ardehali, Cardiac Surgery, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA
Fungemia in Patients with Long-Term Left Ventricular Assist Devices: A Chronic Problem, but Not the Kiss of Death; M. S. Firstenberg, J. B. Louis, P. V. Vesco, C. B. Sai-Sudhakar, J. Mangino, S. Martin, W. Wellington, D. Blais, B. Sun, Cardiothoracic Surgery, The Ohio State Medical Center, Columbus, OH; Infectious Diseases, The Ohio State Medical Center, Columbus, OH

Thoratec Implantable Ventricular Assist Device (IVAD): The Papworth Experience; M. Berman, J. Parameshwar, D. P. Jenkins, K. Dhital, C. Lewis, C. Sudarshan, J. Dunning, S. R. Large, S. Tsui, Transplant Unit, Papworth Hospital, Papworth Everard, Cambridge, United Kingdom

Artificial Pulse with a Continuous-Flow Total Artificial Heart; H. A. Khalil, D. T. Kerr, M. A. Schusterman II, O. H. Frazier, B. Radovancevic, Cardiovascular Surgical Research Laboratories, Texas Heart Institute at St. Luke’s Episcopal Hospital, Houston, TX; University of Texas Medical School at Houston, Houston, TX

Perioperative Alemtuzumab (Campath 1-H) and Plasmapheresis for High-PRA, Positive Lymphocyte-Crossmatch Heart Transplant: A Strategy To Shorten LVAD Support; S. D. Lick, S. Vaidya, A. C. Kollar, Surgery, University of Texas Medical Branch, Galveston, TX; Tissue Antigen Lab, University of Texas Medical Branch, Galveston, TX

Outcome in Destination Therapy LVAD Patients Predicted by the Seattle Heart Failure Model (SHFM); C. J. Bishop, L. N. Janicki, D. M. Nelson, C. N. Madsen, J. W. Long, Utah Artificial Heart Program, Intermountain Medical Center, Salt Lake City, UT

Preformed Antibodies in Pulsatile and Continuous Flow Ventricular-Assist Device Recipients; A. S. Huber, E. N. Sorensen, T. A. Snyder, B. P. Griffith, University of Maryland, School of Medicine, Baltimore, MD; Clinical Engineering, University of Maryland Medical Center, Baltimore, MD; Cardiac Surgery, University of Maryland Medical Center, Baltimore, MD; Cardiology, University of Maryland Medical Center, Baltimore, MD

Cumulative Incidence and Pattern of Adverse Events in the First 60 Days Post Ventricular Assist Device Implantation; E. A. Genovesey, M. A. Dew, M. A. Simon, J. J. Teuteberg, J. Kay, M. P. Siegenthaler, J. K. Bhama, C. Bermudez, K. L. Lockard, S. Winovich, R. L. Kormos, School of Medicine, University of Pittsburgh, Pittsburgh, PA; Psychiatry, Psychology and Epidemiology, University of Pittsburgh, Pittsburgh, PA; Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA; Heart Lung and Esophageal Institute, University of Pittsburgh, Pittsburgh, PA

Preferential Improvement in Exercise Time, Oxygen Consumption and Ventilatory Response in Patients Supported with Pneumatic Versus Electric LVADs; S. N. Khan, C. M. Feldman, M. S. Slaughter, M. A. Silver, Heart Failure Institute, Advocate Christ Medical Center, Oak Lawn, IL; Heart Transplant and Mechanical Circulatory Support Programs, Advocate Christ Medical Center, Oak Lawn, IL; Internal Medicine, Advocate Christ Medical Center, Oak Lawn, IL

Non Invasive Measures of Right Heart Hemodynamics Associated with Clinical Improvement Post Heartmate II; K. M. Lam, S. Ennis, T. E. MacGillivray, K. Crisalli, J. Cumuso, M. H. Picard, Cardiology, Massachusetts General Hospital, Boston, MA; Cardiac Surgery, Massachusetts General Hospital, Boston, MA

Effect of Extracorporeal Ventricular Assist Devices on the Risk of Mortality or Retransplantation Following Cardiac Transplantation – An Analysis of the United Network for Organ Sharing (UNOS) Registry; V. Patlolla, D. DeNofrio, R. D. Patten, M. A. Konstam, R. Krishnamani, Division of Cardiology, Tufts-New England Medical Center, Boston, MA

A Series of Cardiopulmonary Exercise Test for LVAS Patients, Which Is Combined with Pump Off-Tests, Effectively Predicts Device Explantability; Y. Ogawa, A. Matsumoto, M. Ono, N. Haga, Y. Hirata, S. Takamoto, R. Nagai, Department of Cardiovascular Medicine, Graduate School of Medicine, University of Tokyo, Tokyo, Japan; Department of Cardiothoracic Surgery, University of Tokyo, Tokyo, Japan; Department of Rehabilitation, University of Tokyo, Tokyo, Japan

Clinical Experience Utilizing the Levitronix CentriMag System for Temporary Right Ventricular Mechanical Circulatory Support; J. K. Bhamm, R. L. Kormos, C. A. Bermudez, Y. Toyoda, K. R. McCurry, S. H. Brann, M. P. Siegenthaler, Heart, Lung Esophageal Surgery Institute, University of Pittsburgh Medical Center, Pittsburgh, PA

Low Likelihood for Developing Cytotoxic Antibodies during Implantation with the CardioWest Total Artificial Heart; P. E. Nolan, R. G. Smith, M. J. Slepian, R. K. Bose, P. H. Tsau, M. C. Smith, D. L. Covington, J. G. Copeland, Pharmacy Practice and Science, University of Arizona, Tucson, AZ; Marshall Foundation Artificial Heart Program, University Medical Center, Tucson, AZ; Server Heart Center, University of Arizona, Tucson, AZ

The DuraHeart™ Left Ventricular Assist System Requires Less Intensive Anticoagulation; A. El-Banayosy, R. Koerfer, C. Nojiri, Thoracic and Cardiovascular Surgery, Heart and Diabetes Center NRW, Bad Oeynhausen, Germany; Terumo Heart Inc., Ann Arbor, MI

Use of the Tandem Heart Percutaneous Ventricular Assist System in High-Risk Cardiac Surgery; I. Gregoric, B. Bruckner, L. Jacob, S. LaFrancesca, B. Kar, P. Loyalka, M. Loeb, O.H. Frazier, Cardiopulmonary Transplantation, Texas Heart Institute, Houston, TX; DeBakey Heart Center, The Methodist Hospital, Houston, TX

Renal Dysfunction Adversely Affects Outcome after Continuous Flow Left Ventricular Assist Device Implantation; E. Sander, D. Zimpfer, P. Zrunek, B. Steinlechner, A. Rajek, H. Schima, E. Wolner, G.M. Wieselthaler, Cardiac Surgery, Medical University of Vienna, Vienna, Austria; Cardiothoracic Anesthesia, Medical University of Vienna, Vienna, Austria

Similar Transplant Survival for Non-Recoverable Acute and Chronic Heart Failure Patients Bridged with VADS; D.J. Goldstein, M.B. Anderson, A.J. Cramblett III, J.A. Elefteriades, M.M. Madani, Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY; Surgery, Robert Wood Johnson Medical Center, New Brunswick, NJ; Surgery, Medical University of South Carolina, Charleston, SC; Surgery, Yale University Medical Center, New Haven, CT; Surgery, University of California at San Diego Medical Center, San Diego, CA

The Effect of Centrifugal, Axial, and Pulsatile Left Ventricular Assist Device Support on End-Organ Function in Heart Failure Patients; F. Kamdar, A. Boyle, M. Colvin-Adams, M. Pritzker, E. Missov, K. Liao, L. Joyce, R. John, University of Minnesota, Minneapolis

Routine Left Ventricular Device Exchange?; L. Lozonschi, N.M. Edwards, M.R. Johnson, S. Osaki, T. Kohimoto, Department of Cardiothoracic Surgery, University of Wisconsin School of Medicine, Madison, WI; Division of Heart Failure and Transplant Cardiology, University of Wisconsin School of Medicine, Madison, WI

Improved Clinical Outcomes Using Bi-Ventricular Assist Devices as Bridges to Transplant in Critically Ill Patients; M. Kittleson, J. Moriguchi, M. Kwon, M. Plunkett, F. Esmailian, R. Jocson, H. Laks, D. Marelli, R. Beygui, S. Davis, A. Ardehali, J. Patel, J. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

Application of the CentriMag Pump within a Bridge to Bridge Concept in Cardiogenic Shock Patients; A. El-Banayosy, M. Morshuis, L. Kizner, D. Cobaugh, R. Koerfer, Thoracic and Cardiovascular Surgery, Heart and Diabetes Center NRW, Bad Oeynhausen, Germany

Safety of Managing Rotary Blood Pumps with a Mild Anticoagulation Regimen; A. El-Banayosy, L. Arusoglu, M. Morshuis, L. Kizner, D. Cobaugh, R. Koerfer, Thoracic and Cardiovascular Surgery, Heart and Diabetes Center NRW, Bad Oeynhausen, Germany

Hemocompatibility in Long Term LVAD Support: Continuous vs. Pulsatile Flow; S.N. Khan, C.M. Feldman, M.S. Slaughter, M.A. Silver, Heart Failure Institute, Advocate Christ Medical Center, Oak Lawn, IL; Heart Transplant and Mechanical Circulatory Support Program, Advocate Christ Medical Center, Oak Lawn, IL; Internal Medicine, Advocate Christ Medical Center, Oak Lawn, IL

Application of the CentriMag Pump within a Bridge to Bridge Concept in Cardiogenic Shock Patients; A. El-Banayosy, M. Morshuis, L. Arusoglu, L. Kizner, D. Roefe, D. Cobaugh, R. Koerfer, Thoracic and Cardiovascular Surgery, Heart and Diabetes Center NRW, Bad Oeynhausen, Germany
SATELLITE SYMPOSIUM 12: Joint ISHLT/AST Symposium: Lessons Learned From Abdominal Organ Transplantation (Room 312)

Chairs: Teresa DeMarco, MD and Howard Eisen, MD

6:15 PM Transplantation in HIV+ Patients: Abdominal Organ Transplantation in HIV + Patients: Is it Feasible? Results from a Multicenter NIH Sponsored Trial, Peter G. Stock, MD, PhD, University of California at San Francisco, CA

6:45 PM Novel Immunosuppression Strategies: Lessons Learned from Clinical Trials in Kidney Transplantation, Flavio Vincenti, MD, University of California at San Francisco, CA

7:15 PM Progress on the Road to Transplantation Tolerance: The Immune Tolerance Network and CTOT, Mohamed H. Sayegh, MD, Brigham and Women’s Hospital, Boston, MA

FRIDAY, APRIL 11, 2008

6:30 AM – 6:00 PM
Slide Ready Room Open (Room 301)

7:00 AM – 6:00 PM
Registration Open (Boylston Hallway 3rd Floor)

7:00 AM – 10:00 AM
Mounting of Posters # 419 - 510 (Exhibit Hall A)
Mounting of Mini Oral Posters # 335 - 367 (Exhibit Hall A)

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 6: MCS: Issues and Answers for VAD Coordinators (Rooms 304-306)

Chairs: Peggy S. Blood, RN, MSN and Danaela Roefe, RN

7:00 AM Destination Therapy and Patient Selection: An International Perspective, Danaela Roefe, RN, Bad Oeynhausen Hospital, Bad Oeynhausen, Germany and Michael Petty, PhD(c), RN, CCNS, CNS, Cardiovascular and Thoracic Clinical Nurse Specialist, University of Minnesota Medical Center; Fairview, Minneapolis, MN

7:20 AM Mechanical Circulatory Support Programs: Unique Cross-disciplinary Perspectives and Contributions, Kathleen M. Princer, BSBME, MBA, St. Luke's Medical Center, Milwaukee, WI and Jane MacIver, RN Msc CCN(C), Toronto General Hospital, Toronto, Canada

7:40 AM Moderated Discussion

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 7: Ventricular Assist Devices and Infection (Room 312)

Chairs: Elaine Billaud, MD and Niall Mahon, MD

7:00 AM The Pathogenesis of LVAD Infection, Robert F. Padera, MD, PhD, Brigham and Women’s Hospital, Boston, MA

7:15 AM Risk Factors for the Development of VAD Infections, Bernard M. Kabak, MD, PhD, UCLA Medical Center, Los Angeles, CA

7:30 AM Are We Making Progress with VAD Infections? William L. Holman, MD, University of Alabama at Birmingham, AL

7:45 AM Heart Transplantation in Patients with VAD Infections, Christian Bermudez, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 8: Selection of High Risk Cardiac Transplant Recipients: How High is Too High? (Room 302)

Chair: David O. Taylor, MD
Case Presentations
Nicholas R. Banner, FRCP, Harefield Hospital, Harefield, United Kingdom
Eric Epailly, MD, C.H. Hospital Civil, Strasbourg, France
Michael Chan, MBbs, FRCP, University of Alberta Hospital, Edmonton, Canada
Joseph G. Rogers, MD, Duke Univ Medical Center, Durham, NC

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 9: Core Curriculum: The Pathophysiology of Chronic Allograft Injury (Room 311)
Chairs: John Dark, MB, FRCS and Mark L. Barr, MD

7:00 AM Inflammation Injury and Repair, John A. Kirby, PhD, Newcastle University, Newcastle, United Kingdom

7:30 AM Evolving New Targets for Therapy, Andrew E. Gelman, MD, PhD, Washington University School of Medicine, St. Louis, MO

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 10: Animal Models of Acute and Chronic Lung Transplant Rejection (Room 310)
Chairs: Michael Mulligan, MD and Jonah Odim, MD, PhD

7:00 AM Pig and Primate Large Animal Models, James S. Allan, MD, Massachusetts General Hospital, Boston, MA

7:15 AM Heterotopic Trachea Model, Mingyao Liu, MD, Toronto General Hospital, Toronto, Canada

7:30 AM Mouse Orthotopic Lung Transplantation, Daniel Kreisel, MD, Washington University School of Medicine, St. Louis, MO

7:45 AM Chimeric Mouse, Scott M. Palmer, MD, Duke University, Durham, NC

8:00 AM – 6:00 PM
Press Office Open (Room 308)

8:15 AM - 10:15 AM
PLENARY SESSION (Ballrooms A-C)
Chairs: Robert C. Robbins, MD and Alec Patterson, MD

8:15 AM Pioneer Lecture, Marc R. Katz MD, Bon Secours Heart & Vascular Institute, Richmond, VA, will speak on behalf of Pioneer Recipient Richard R. Lower, MD, Richmond, VA

8:35 AM Invited Lecture: Organ Injury and Inflammation After Brain Death: Insights from Microarrays, Philip Halloran, MD, PhD, University of Alberta, Edmonton, Canada

9:00 AM (293) Featured Abstract: The 1-Year Follow-Up Results of the PROTECT Patient Population Using the Organ Care System; G. Tenderich,1 S. Tsui,1 A. El-Banayosy,1 K. Dhi,1 S. Schulte-Eistrup,1 U. Schulz,1 B. Rosensgard,1 J. Wallwork,1 M. Petrou,1 A. Khaghani,1 C. Kno,1 O. Grauhan,1 R. Hetzer,2 R. Koerfer,3 T. Khayal,3 Thoracic and Cardiovascular Surgery, Heart and Diabetes Center North Rhine-Westphalia, Bad Oeynhausen, Germany; 2Cardiothoracic Surgery, Papworth Hospital, Papworth, United Kingdom; 3Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom; 4Cardiothoracic and Vascular Surgery, German Heart Institute, Berlin, Germany; 5TransMedics, Inc., Andover, MA

9:10 AM (294) Featured Abstract: Prospective Multi-Center Safety and Effectiveness Evaluation of the Organ Care System Device for Cardiac Use (PROCEED); K. McCurry,1 V. Jeevanandam,2 T. Mihaljevic,2 G. Couper,2 M. Elanwar,2 H. Saleh,2 A. Ardehali,1 Cardiac Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA; 2Cardiothoracic Surgery, University of Chicago Medical Center, Chicago, IL; 3Thoracic Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH; 4Cardiac Surgery, Brigham and Women’s Hospital, Boston, MA; 5TransMedics, Inc., Andover, MA; 6Cardiac Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

9:20 AM Invited Lecture: Ischemia-Reperfusion Injury and Allogenicity, Stefan G. Tullius, MD, Brigham and Women’s Hospital, Boston, MA
9:45 AM (295) **Featured Abstract:** Acute Cardiac Failure: New French Heart Transplantation Allocation’s Rules To Favor Primary Transplant Rather Than VAD Support. A 2-Year Analysis; D.B. Tixier, C. Cantrelle, P. Tappin, F. Aubin, G. Malauquin, J. Brennetot, P. Romano, B. Loty, Medical and Scientific Department, Agence de la Biomedecine, St Denis La Plaine, France

10:00 AM (296) **Featured Abstract:** Non Heart Beating Lung Donation: How Big Is the Pool?; D.M. Nijkamp, W. van der Bij, E.A.M. Verschauren, M.B.A. Heemskerk, E. de Buizer, M.E. Erasmus, Department of Surgery, Section Organ Donation, University Medical Center Groningen, Groningen, Netherlands; Department of Pulmonary Diseases and Lung Transplantation, University Medical Center Groningen, Groningen, Netherlands; Dutch Transplant Foundation, The Hague, Netherlands; Department of Cardiothoracic Surgery, University Medical Center Groningen, Groningen, Netherlands

10:00 AM – 6:45 PM
Exhibit Hall Open (Exhibit Hall A)

10:15 AM – 10:45 AM
ANNUAL BUSINESS MEETING (Ballrooms A-C)

10:45 AM - 12:15 PM
CONCURRENT SESSION 24: Outcomes Following Circulatory Support (Ballrooms A-C)

10:45 AM (297) The Use of the Interagency Registry for Mechanically Assisted Circulatory Support (INTERMACS) To Generate Objective Performance Criteria (OPCs) for Use in MCS&D Trials; D.C. Naftel, J.G. Rogers, J.B. Young, T. Baldwin, E. Chen, W. Sapirstein, R.L. Kormos, V. Ascehim, K.A. Chisholm, University of Alabama at Birmingham, Birmingham, AL; Duke University Medical Center, Durham, NC; Cleveland Clinic Foundation, Cleveland, OH; National Heart Lung and Blood Institute, Bethesda, MD; Food and Drug Administration, Rockville, MD; University of Pittsburgh, Pittsburgh, PA; Columbia University, New York, NY; University of Arizona Medical Center, Tucson, AZ


10:45 AM (299) Normalisation of Autonomic Dysfunction in Patients Following Left Ventricular Assist Device Combination Therapy; D. Nunan, G.R. Sandercott, R.S. George, R.S. Bougard, J. Hardy, A. Khaghani, M.H. Yacoub, D.A. Brodie, E.J. Birks, Research Centre for Society and Health, Buckinghamshire New University, Chalfont St Giles, Buckinghamshire, United Kingdom; Biological Sciences, University of Essex, Colchester, Essex, United Kingdom; Cardiovascular Institute, Royal Brompton and Harefield NHS Trust, London, United Kingdom; Heart Science Centre, Royal Brompton and Harefield NHS Trust, London, United Kingdom


11:05 AM (301) Ventricular Assist Device (VAD) Adverse Events (AE’s) Effect Not Only VAD Survival but Subsequent Survival after Cardiac Transplantation (CTX); J. Kay, J.J. Teuteberg, M.A. Simon, M.P. Siegenthaler, E.A. Genovese, C. Bermudez, J.K. Bhama, M.A. Dew, K.L. Lockard, S. Winowich, R.L. Kormos, Heart, Lung and Esophageal Surgery Institute, University of Pittsburgh Medical Center, Pittsburgh, PA; Cardiovascular Institute, University of Pittsburgh Medical Center, Pittsburgh, PA; Departments of Psychiatry, Psychology and Epidemiology, University of Pittsburgh Medical Center, Pittsburgh, PA

NOON (302) Improved Short-Term Memory with Long-Term LVAD Support; C.N. Madsen, A.M. McKinney, J.R. Childs, R.A. Khodaverdian, J.W. Long, Utah Artificial Heart Program, Intermountain Medical Center, Salt Lake City, UT

10:45 AM - 12:15 PM
CONCURRENT SESSION 25: Can We Predict, Diagnose and Treat Cardiac Rejection and Vasculopathy Before it is too Late? (Rooms 304-306)

Chairs: Andrew J. Boyle, MD and Folke Nillson, MD, PhD

10:45 AM (303) Hemodynamic Compromise Rejection: Does the Heart Biopsy Influence Outcome?; J.K. Patel, B. Itagaki, A. Ankrom, M. Kawano, K.K. Kiyosaki, M. Yajnik, A. Ardehali, J. Kobashigawa, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

11:00 AM (304) Success of Immune Monitoring with ImmuKnow (Cylex) To Assess Rejection/Infectious Risk in Heart Transplantation; J.A. Kobashigawa, K.K. Kiyosaki, J.K. Patel, M.M. Kittleson, A. Ardehali, Cardiology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

11:15 AM (305) Soluble HLA-G Is Negatively Associated with Allograft Rejection Following Heart Transplantation; R. Sheshgiri, V. Rao, L.C. Tumiati, M. Badiwala, E. Tepperman, J. Proctor, D. Ramzy, D.H. Delgado, Heart Transplant Program, Peter Munk Cardiac Centre, Toronto General Hospital, University Health Network, Toronto, ON, Canada

11:30 AM (306) Coronary Flow Reserve by Contrast-Enhanced Transthoracic Echocardiography Predicts Maximal Epicardial Intimal Thickness in Heart Transplant Patients with Normal Coronary Angiogram; F. Tona, E. Osto, G. Tarantini, A.L.P. Caforio, A. Angelini, G. Gerola, S. Iliceto, Cardiology, University of Padova, Padova, Italy; Cardiovascular Pathology, University of Padova, Padova, Italy; Cardiovascular Surgery, University of Padova, Padova, Italy

11:45 AM (307) Impaired Coronary Flow Reserve in Heart Transplant Patients with Normal Coronary Angiograms: Predictive Role of Intersitial Fibrosis and Medial Thickening of Intramyocardial Coronary Arteries; E. Osto, F. Tona, C. Castellani, A.L.P. Caforio, A. Ramondo, G. Gerola, S. Iliceto, A. Angelini, Cardiology, University of Padova, Padova, Italy; Cardiovascular Pathology, University of Padova, Padova, Italy; Cardiovascular Surgery, University of Padova, Padova, Italy

NOON (308) Correlation between Circulating Endothelial Progenitor Cells and Allograft Rejection in Heart Transplant Patients; C.J. Sathya, R. Sheshgiri, J. Proctor, L. Tumiati, M. Badiwala, E. Tepperman, J. Lazier, D. Delgado, V. Rao, Heart Transplant Program, Peter Munk Cardiac Centre, Toronto General Hospital, University Health Network, Toronto, ON, Canada

10:45 AM - 12:15 PM

CONCURRENT SESSION 26: The Long and the Short of Pediatric Immunosuppression and Immunology (Room 312)

Chairs: Michael Burch, MD and Shelley D. Miyamoto, MD

10:45 AM (309) basiliximab in pediatric heart transplantation: pre-implantation administration reduces acute rejection in the first year; N.M. Grundy, J.D. Simmonds, H.E. Dawkins, M. Burch, Department of Paediatric Cardiology, Great Ormond Street Hospital for Children, London, United Kingdom

11:00 AM (310) Correlation of Steroid Use and Impaired Serological Immunity Against Vaccine Preventable Diseases in Children after Heart- or Heart-Lung Transplantation; S. Urschel, S. Cremer, R. DallaPozza, J. Diterich, C. Schmitz, B. Reichart, B.H. Belohradsky, H. Netz, Pediatric Cardiology and Intensive Care, Klinikum Grosshadern, Ludwig Maximilians University, Munich, Germany; Cardiac Surgery, Klinikum Grosshadern, Ludwig Maximilians University, Munich, Germany; Pediatric Immunology and Infectious Disease, Dr. von Haunersches Kinderspital, Ludwig Maximilians University, Munich, Germany


11:30 AM (312) Class I and II HLA Sensitization Pre-Transplant by Solid-Phase Assay and Early Outcome after Pediatric Heart Transplantation; C.S. Almond, D.B. McElhinney, G.E. Piercey, J.P. Singh, J. Wood, H. Bastardi, F. Fynn-Thompson, E.L. Milford, E.D. Blume, Cardiology, Boston Children’s Hospital, Boston, MA; Tissue Typing Laboratory, Brigham and Women’s Hospital, Boston, MA
11:45 AM (313) HLA-Sensitization in Infants after Repair of Hypoplastic Left Heart Syndrome (HLHS) Is Prevented by Use of Glutaraldehyde-Treated Homografts; B.J. Laing, S.R. Meyer, A.M. Halpin, D.B. Ross, L.J. West, I.M. Rebeya, University of Alberta, Edmonton, AB, Canada

NOON (314) Genotypic Variation and Phenotypic Characterization of Granzyme B Gene Polymorphisms; D.M. Girnita, S.A. Webber, R. Ferrell, M.M. Brooks, S. DeCroo, G. Burckart, G. Zdanowicz, R. Chinnoch, C. Cantor, L. Addonizio, D. Bernstein, J.K. Kirklin, L. Smith, A.L. Girnita, A. Zeevi, University of Pittsburgh, Pittsburgh, PA; University of Southern California, Los Angeles, CA; Loma Linda University, Loma Linda, CA; Washington University, St. Louis, MO; Columbia University, New York, NY; Stanford University, Palo Alto, CA; University of Alabama at Birmingham, Birmingham, AL

10:45 AM - 12:15 PM CONCURRENT SESSION 27: Physiology and Assessment of the Pulmonary Hypertensive Patient (Room 302)

Chairs: Robert D. Levy, MD, FRCP(C) and Raymond L. Benza, MD

10:45 AM (315) Calculation of Pulmonary Artery Mean Pressure Using a Mathematical Model and Doppler Data: A Simultaneous Catheter and Doppler Study; N. Selimovic, B. Rundqvist, S. Petersson, Wallentin, O. Bech-Hansen, Dept. of Cardiology, Sahlgrenska University Hospital, Gothenburg, Sweden; Dept. of Clinical Physiology, Sahlgrenska University Hospital, Gothenburg, Sweden

11:00 AM (316) Survival with Idiopathic Pulmonary Arterial Hypertension Once Criteria for Tx Listing Are Fulfilled for the First Time: Benefits of Transplantation vs. Medical Treatment; M. Dandel, H.B. Lehmkuhl, S. Mulahasanovic, Y. Weng, C. Knoyalla, O. Grauhan, D. Kemper, R. Hetzer, Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany

11:15 AM (317) REVEAL Registry: Does the LAS Score Underestimate the Risk of Death in IPAH; R.L. Benza, A.E. Frost, R.J. Barst, A.M. Krichman, M.D. McGoon, University of Alabama at Birmingham, Birmingham, AL; Baylor College of Medicine, Houston, TX; Columbia University College of Physicians and Surgeons, New York, NY; Duke University Medical Center, Durham, NC; Mayo Clinic, Rochester, MN


11:45 AM (319) NTproBNP in the Assessment of Exercise Tolerance in Severe Pulmonary Arterial Hypertension. What Does It Mean?; A. Flox Camacho, C. Jimenez Lopez-Guarch, P. Escribano Subias, A. Fernandez Vaquero, E.A. Lopez Jimenez, R. Tello de Meneses, M.J. Ruiz Cano, J. Delgado Jimenez, M.A. Gomez Sanchez, C. Saenz de la Calzada, Cardiology, Hospital Universitario 12 de Octubre, Madrid, Spain; Morfology and Phisiology, Universidad Europea de Madrid, Villaviciosa de Odon, Madrid, Spain; Biochemistry, Hospital Universitario 12 de Octubre, Madrid, Spain

NOON (320) Right Ventricular Size, Function Hemodynamics Are Poor Predictors of Exercise Performance in Patients with Pulmonary Hypertension; A. Lala, G. Stevens, M.J. Garcia, J. Sanz, S. Pinney, The Cardiovascular Institute, Mount Sinai Medical Center, New York, NY

10:45 AM - 12:15 PM CONCURRENT SESSION 28: Stem Cell Transplantation (Room 311)

Chairs: Roelof de Weger, PhD and Carla C. Baan, PhD

10:45 AM (321) Stem Cell Transplantation for the Ischemic Myocardium: Answering the Basic Questions of Bone Marrow Stromal Cell Migration, Homing and Survival; S. Schrepfer, T. Deuse, H. Reichenspurner, R.C. Robbins, M.P. Pelletier, Cardiothoracic Surgery, Stanford University School of Medicine, Stanford, CA; Cardiovascular Surgery, University Heart Center, Hamburg, Germany

11:00 AM (322) Circulating Mesenchymal Stem Cells Are Recruited to Ischemia-Reperfusion Injured Lungs; J.O. Chan, R. Castanos, Y.-S. Jin, E.L. Kirkman, R.M. Bremer, V.A. Starnes, M.A. Smith, Cardiothoracic Surgery, Keck School of Medicine, University of Southern California, Los Angeles, CA; Heart and Lung Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ

11:15 AM (323) Immunosuppressive Therapy Mitigates Murine T-Cell Mediated Rejection of Human Embryonic Stem Cells Following Transplantation; R.-J. Swijnenburg, S. Schrepfer, J.A. Govaert, F. Cao, A.Y. Sheikh, M.P.
11:30 AM (324) Intracardiac Allogeneic Porcine Mesenchymal Stem Cell (MSC) Transplantation only Elicit Neoangiogenesis in Viable Myocardium; A.J. Poncelet,1 A.-L. Hiel,1 D. Hermans,1 P. Camby,1 P. Gianello,1 1Experimental Surgery Laboratory, Université Catholique de Louvain, Brussels, Belgium

11:45 AM (325) Mesenchymal Stem Cells Derived from CABG Patient’s Senesce by a p38 Dependent Mechanism; M.B. Will,1 J.C. Mountford,2 W.N. Keith,1 A.J. Murday,1 1Department of Cardiac Surgery, Glasgow Royal Infirmary, Glasgow, United Kingdom; 2Section of Experimental Haematology and Haematopoietic Stem Cells, University of Glasgow, Glasgow, United Kingdom; 3Centre for Oncology and Applied Pharmacology, University of Glasgow, Glasgow, United Kingdom

NOON (326) Circulating Stem Cells Engraft the Bronchial Epithelium in Humans after Lung Transplantation; L. May,1,2 B. Banerjee,1 A. Saxena,1 M. Crook,1 A. Charles,1 A. Kicic,1 J. O’Reilly,2 D. Ravine,1 S.M. Stick,1 D.C. Chambers1,2 1Western Australian Lung Transplant Program, Royal Perth Hospital, Perth, Western Australia, Australia; 2Telethon Institute for Child Health Research, Princess Margaret Hospital, Perth, Western Australia, Australia; 3Western Australian Institute for Medical Research, University of Western Australia, Perth, Western Australia, Australia; 4Dept of Histopathology, PathWest, Women’s and Children’s Health Service, Perth, Western Australia, Australia; 5Dept of Haematology, PathWest, Royal Perth Hospital, Perth, Western Australia, Australia

10:30 AM - 12:30 PM CONCURRENT SESSION 29: Philip K. Caves Award Candidate Presentations (Room 310)

Chairs: Robert L Kormos, MD and Leslie W. Miller, MD

10:30 AM (327) Value of FOXP3 mRNA in Peripheral Blood as Rejection Marker after Miniature Swine Lung Transplantation; N. Satoda,1 T. Shoji,1 Y. Wu,2 T. Fujinaga,1 F. Chen,1 A. Aoyama,1 J.T. Zhang,1 A. Takahashi,1 T. Okamoto,1 I. Matsumoto,1 H. Sakai,1 T. Manabe,1 E. Kobayashi,1 S. Sakaguchi,1 H. Wada,1 T. Band,1 T. Koshiba,1 1Department of Thoracic Surgery, Kyoto University, Kyoto, Japan; 2Department of Immunology and Cell Biology, Kyoto University, Kyoto, Japan; 3Department of Organ Preservation Technology, Kyoto University, Kyoto, Japan; 4Department of Diagnostic Pathology, Kyoto University, Kyoto, Japan; 5Organ Replacement Research Center, Jichi Medical School, Shimono, Japan; 6Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan

10:45 AM (328) Frequency of Regulatory T Cells Is Correlated with Improved Lung Function Early after Lung Transplantation; T. Nakagiri,1 G. Warnecke,1 M. Avsar,1 S. Thissen,1 B. Kruse,1 P. Ziehme,1 M. Okumura,2 Y. Sawa,2 A.R. Simon,1 A. Haverich,1 M. Strüber,1 1Div. of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany; 2Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany

11:00 AM (329) Ex Vivo Expanded Human Treg Inhibit the Development of Transplant Arteriosclerosis in a Humanized In Vivo Model; S.N. Nadga,1 J. Wieckiewicz,2 D.C. Wu,2 G. Warnecke,2 W. Zhang,1 S. Luo,2 D. Taggart,1 K.J. Wood,1 1Southfield Department of Surgery, University of Oxford, Oxford, Oxfordshire, United Kingdom; 2Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany

11:15 AM (330) Reconditioning of Donor Lungs after Brain Death Induced Dysfunction; S. Wipper,1 A. Dupree,1 J. Lindner,1 N. Sprathoff,1 C. Pahrmann,1 H. Reichenspurner,1 F.M. Wagner,1 1Cardiovascular Surgery, University Heart Center Hamburg, Hamburg, Germany

11:30 AM (331) Ex-Vivo Repair and Regeneration of Damaged Human Donor Lungs; M. Cypel,1 M. Rubacha,1 S. Hirayama,1 J. Yeung,1 K. Torbicki,1 S. Fischer,1 M. Anraku,1 M. Sato,1 A. Pierre,1 M. Liu,1 T.K. Waddell,1 M. de Perrot,1 S. Keshavjee,1 1Thoracic Surgery, Toronto Lung Transplant Program, Latner Thoracic Surgery Laboratory, University of Toronto, Toronto, ON, Canada

11:45 AM (332) Upregulated Transforming Growth Factor-B1 Expression and Distribution in Coronary Arterial Wall from Patients with Cardiac Allograft Vasculopathy Versus Ischemic Cardiomyopathy; J. Tang,1 G. Cui,1 H. Laks,1 S. Yang,1 A. Ardehali,1 F. Esmailian,1 M. Plunkett,1 R. Beygui,2 D. Marelli,2 L. Sen,1,2 Medicine, University of California Los Angeles, Los Angeles, CA; 3Surgery, University of California Los Angeles, Los Angeles, CA

NOON (333) Impact of Inosine 5’-Monophosphate Dehydrogenase 1,2 and Multidrug Resistance Protein 2 Genetic Polymorphisms on Mycophenolate Mofetil Related Adverse Events in Pediatric Heart Transplant Patients; E.L. Ohmann,1 G.J. Burckart,1 Y. Chen,1 V. Pravica,1 D.M. Giurnita,1 M.M. Brooks,1 D.W. Mowrey,1 A. Zeeli,1 S.A. Webber,1 1School of Medicine, University of Pittsburgh, Pittsburgh, PA; 2School of Pharmacy, University of Southern California, Los Angeles, CA; 3Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA
1:10 PM (343) Intrinsic Autoregulatory Capability of a Continuous Flow Rotary Pump LVAD during Exercise; J. Haft,1 Y. Suzuki,1 K.D. Aaronson,2 D.J. Farrar,3 D.B. Dyke,4 F.D. Pagani,1 1Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; 2Division of Cardiovascular Medicine, University of Michigan, Ann Arbor, MI; 3Thoratec Corporation, Pleasanton, CA

1:15 PM (344) Efficacy of Continuous-Flow Ventricular Assist Devices in Heart Failure Patients with Severe Pulmonary Hypertension; R. John,1 F. Kamdar,1 A. Boyle,1 M. Colvin-Adams,1 M. Pritzker,1 E. Missov,1 K. Liao,1 L. Joyce,1 University of Minnesota, Minneapolis, MN

1:20 PM (345) Median Axial Flow Pump Speed Associated with Cessation of Aortic Valve Opening Is an Indicator of Remission of Chronic Heart Failure in Patients Supported by a Left Ventricular Assist Device; J.D. Estep,1 T. Yarrabolu,2 H.K. Win,1 R. Stainback,4 O.H. Frazier,2 1Cardiology, Baylor College of Medicine, Houston, TX; 2Cardiology Noninvasive Laboratory Research Center, Texas Heart Institute, Houston, TX; 3Cardiology, Baylor College of Medicine, Houston, TX; 4Cardiology, Texas Heart Institute, Houston, TX; 5Cardiovascular and Thoracic Surgery/Transplantation, Texas Heart Institute, Houston, TX

1:25 PM (346) Reversal of Secondary Pulmonary Hypertension in Patients Supported by Left Ventricular Assist Devices; B.A. Bruckner,1 L.P. Jacob,2 R. Delgado,2 M.J. Reardon,1 M. Loebe,1 I. Gregoric,2 R.C. Bogac,2 G. Torre-Amione,1 O.H. Frazier,1 DeBakey Heart Center, The Methodist Hospital, Houston, TX; 2Transplant Assist Devices, Texas Heart Institute, Houston, TX

1:30 PM (347) Surgical Left Ventricular Restoration Improves Systolic Function by Optimizing Mechanical Intraventricular Synchrony and Synergy in Ischemic Cardiomyopathy; C. Knosalla,1 M. Dandel,1 M. Kukucka,2 Y. Weng,1 M. Pasic,1 H. Kuppe,1 R. Hetzer,1 1Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; 2Institute of Anesthesiology, Deutsches Herzzentrum Berlin, Berlin, Germany

1:35 PM (348) Does a 3D Evaluation of Dyssynchrony in CHF Patients Offer an Advantage over a 2D Approach? A Cardiovascular MRI Method for Dyssynchrony; R.W.W. Biederman,1 F. Grothues,2 H. Klein,2 R. Williams,2 J. Yamrozik,1 G. Rayaraao,1 D.A. Vido,1 C. Huth,1 M. Doyle,1 1The Gerald McGinnis Cardiovascular Institute, Allegheny General Hospital, Pittsburgh, PA; 2University Hospital Magdeburg, Magdeburg, Germany

1:40 PM (349) Pretransplant Toxoplasma gondii Seropositivity amongst Heart Transplant Recipients Is Associated with an Increased Risk of All-Cause and Cardiac Mortality; S. Arora,1 P. Jenum,2 P. Aukrust,3 H. Rollag,2 1Department of Cardiology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 2Medical Microbiology, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 3Department of Clinical Immunology and Infectious Diseases, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 4Department of Thoracic and Cardiovascular Surgery, Rikshospitalet-Radiumhospitalet Medical Center, Oslo, Norway; 5Dept. of Surgery, Ismett-UPMC, Palermo, Italy

1:45 PM (350) Tailored Treatment May Improve Lung Transplant Outcome in Patients Colonized by Burkholderia Cenocepacia; P. Titolo,1 A. Berganti,2 F. Pardo,1 A. Arcadipane,3 S. Seicacca,1 B. Gridelli1 Pulmonary Medicine, Istituto-UPMC, Palermo, Italy; 2Thoracic Surgery, Istituto-UPMC, Palermo, Italy; 3Cystic Fibrosis Center, Ospedale dei Bambini, Palermo, Italy; 4Critical Care, Istituto-UPMC, Palermo, Italy; 5Cardiac Surgery, Istituto-UPMC, Palermo, Italy; 6Dept. of Surgery, Istituto-UPMC, Palermo, Italy

12:30 PM - 2:00 PM MINI-ORAL SESSION IV (Room 302)

Chair: Jacqueline Szumowski, MD, Thalachallour Mohanakumar, MD, and Michael Burch, MD

12:30 PM (351) Bridging to Cardiac Transplant in Children; J. Cassidy,1 S. Haynes,1 N. Wrightson,1 M. Griselli,1 A. Hasan,1 R. Kirk,1 1Department of Paediatric Cardiology and Intensive Care, Freeman Hospital, Newcastle upon Tyne, United Kingdom

12:35 PM (352) Controlled Ventilation High Resolution Computed Tomography, Pulmonary Function Testing, and Transbronchial/Open Lung Biopsy for the Detection of Allograft-Related Complications Following Infant Lung Transplantation; T.L. Astor,1 F. Long,1 P. Baker,1 M. Galantowicz,1 R. Castile,1 1Lung and Heart-Lung Transplant Program, Nationwide Children’s Hospital, Columbus, OH

12:40 PM (353) Outcomes of Children with Restrictive Cardiomyopathy Listed for Heart Transplant: A Multi-Institutional Study; S.D. Zangwill,1 D. Naftel,1 T. L’Ecuyer,2 D. Rosenthal,1 B. Robinson,1 J. Kirklin,1 G. Stendahl,1 A.I. Dipchand,1 Children’s Hospital of Wisconsin, Milwaukee; 2University of Alabama at Birmingham, Birmingham;
12:45 PM (354) Mechanical Circulatory Support for the Treatment of Cardiogenic Shock in Children and Adolescents with Acute Fulminant Myocarditis; S. Buz, Y. Weng, M. Huebler, T. Drews, C. Knosalla, H. Lehmkuhl, M. Dandel, F. Berger, R. Hetzer, Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; Department of Congenital Heart Defects/Pediatric Cardiology, Deutsches Herzzentrum Berlin, Berlin, Germany

12:50 PM (355) Mechanical Circulatory Support in Infants, Children and Adolescents as Bridge to Heart Transplantation: Current Outcomes; D.N. Rosenthal, M. Pelletier, G. Wright, O. Reinhartz, D. Bernstein, C. Chin, Stanford University, Stanford, CA; Lucile Packard Children’s Hospital, Stanford, CA

12:55 PM (356) Parental Stress and Distress after Paediatric Cardiothoracic Transplantation; J. Wray, T. Lunn-Wood, Cardiothoracic Transplantation, Great Ormond Street Hospital for Children NHS Trust, London, United Kingdom

1:00 PM (357) Administration of Clodronate Confers Added Protection Against HALR; T.A. Stoddard, S.S. Kelishadi, T. Zhang, C. Avou, A. Azimzadeh, R.N. Pierson, Surgery, University of Maryland School of Medicine, Baltimore, MD

1:05 PM (358) The In Situ Langendorff Perfusion System: A New Method for Viral Mediated Gene Transfer to Porcine Hearts Prior Transplantation; L. Burdorf, N. Schuhmann, A. Schulz, M. Koehn, E. Thein, U. Brandl, B. Reichart, H. Buening, M. Schmoockel, Department of Cardiac Surgery, Ludwig-Maximilians University, Munich, Germany; Clinic I for Internal Medicine, Cologne University, Cologne, Germany; Institute for Surgical Research, Ludwig-Maximilians University, Munich, Germany

1:10 PM (359) A Novel Bioreactor for Miniaturized Bioartificial Cardiac Tissue Engineering; G. Kensah, L. Grub, M. Bierbaum, C. Krause, J. Viering, M. Breyvogel, A. Haverich, Leibniz Research Laboratories for Biotechnology and Artificial Organs LEBAO, Hannover Medical School, Hannover, Germany; Institute of Material Science, Leibniz University Hannover, Hannover, Germany; Central Research Workshops, Hannover Medical School, Hannover, Germany

1:15 PM (360) Constantly Stable HIF-1 in Myeloid Cells Prevents Acute Rejection in Rat Cardiac Allografts; M.A.I. Keränen, R. Tuuminen, A.I. Nykänen, E. Tavast, P.K. Koskinen, R.S. Johnson, K.B. Lemström, Cardiopulmonary Research Group, Transplantation Laboratory, University of Helsinki, Helsinki, Finland; Department of Medicine, Division of Nephrology, University of Helsinki and Helsinki University Central Hospital, Helsinki, Finland; Molecular Biology Section, Division of Biological Sciences, University of California, San Diego; Department of Cardiothoracic Surgery, University of Helsinki and Helsinki University Central Hospital, Helsinki, Finland

1:20 PM (361) Perioperative Donor Splenocyte Cotransplantation Induces Regulatory T Cells and Abolishes Acute Vascular Rejection in Porcine Allogeneic Pulmonary Transplantation; B. Kruse, G. Warnecke, S. Thissen, M. Avars, F. Läng, V. Kaever, A.R. Simon, J.H. Karstens, A. Haverich, Div. of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany; Department of Pathology, Hannover Medical School, Hannover, Germany; Department of Molecular Pharmacology, Hannover Medical School, Hannover, Germany; Department of Radiotherapy and Special Oncology, Hannover Medical School, Hannover, Germany

1:25 PM (362) Recipient Hyperbilirubinemia Protects Rat Cardiac Grafts; A. Nakai, H. Toyokawa, M. Abe, J. Kohmoto, A. Tsung, T. Kaji, S. Kanno, A.W. Thomson, T.R. Billiar, K.R. McCurry, M. Murase, Surgery, Thomas E Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA; Surgery, University of Pittsburgh, Pittsburgh, PA


1:35 PM (364) Induction of Mixed Chimerism and Transplantation Tolerance in a Non-Human Primate Lung Allograft Model: Early Results; C.Y. Ng, M.J. Weiss, S. Boskovic, T. Kawai, T.M. Millington, G. Benichou, J.C. Madsen, J. Wain, J.S. Alton, Papworth Hospital NHS Trust, Cambridge, United Kingdom; Massachusetts General Hospital, Boston, MA; Johns Hopkins Hospital, Baltimore
2:30 PM (375) Proteomic Profiling of the Human Heart Following Left Ventricular Assist Device Support; P. van der Weide,1 N. Bovenschen,2 E. Siera-de Koning,1 J. van Kuik,1 M.F.M. van Oosterhout,1 M.E.I. Schipper,1 N. de Jonge,1 R.A. de Weger1;1 Pathology, University Medical Center, Utrecht, Netherlands; 2Heart Lung Center, University Medical Center, Utrecht, Netherlands

2:45 PM (376) Novel Plasma Biomarkers of Myocardial Fibrosis and Remodeling in Terminal Heart Failure Patients Supported by Mechanical Circulatory Support Devices; H. Milting1, F. Kramer1, P. Ellinghaus1, H. Cakar1, B. Bohms1, A. Kassner1, H. Kastning2, V. Lauenroth1, T. Krahn2, L. Kruska2, R. Körfer1, A. El Banayosy1;1 Herz- und Diabeteszentrum NRW, Universitätsklinikum der Ruhr Universität Bochum, Erich und Hanna Klessmann-Institut für Kardiovaskuläre Forschung und Entwicklung, Bad Oeynhausen, Germany; 2Bayer-Schering Pharma, Target Discovery, Wuppertal, Germany

3:00 PM (377) Differences in Gene Expression after Mechanical Circulatory Support with Pulsatile and Non-Pulsatile Left Ventricular Assist Devices Utilizing Gene Arrays; J. Jahanyar1, L.E. Peterson2, M. Loebe1, D. Joyce1, B. Bruckner1, G. Torre-Amione1, M.M. Koerner1, G.P. Noon1, K.A. Youker1;1 Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX; 2Division of Biostatistics and Epidemiology, Dept. of Public Health, The Methodist Hospital, Houston, TX; 3Methodist DeBakey Heart Center, The Methodist Hospital, Houston, TX

3:15 PM Invited Lecture: Interaction of MCS & Cardiac Remodeling: State of the Science, Guillermo Torre-Amione, MD, PhD, The Methodist Hospital, Houston, TX

2:15 PM - 4:00 PM CONCURRENT SESSION 32: Innovative Approaches to Lung Transplantation (Room 312)
Chairs: Ashish Shah, MD and Peter M. Hopkins, FRACP

2:15 PM (378) Impact of Graft Volume Reduction for Oversized Grafts on Outcome after Lung Transplantation in Recipients with End-Stage Restrictive Pulmonary Diseases; N. Shigemura1, B. Hattler1, C. Bermudez,2 K.R. McCurry1, Y. Toyoda1;1 Cardiothoracic Transplant, University of Pittsburgh Medical Center, Pittsburgh, PA

2:30 PM (379) Lung Transplantation through Minimally Invasive Approach; Y. Toyoda1;1 Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA

2:45 PM (380) Use of Cardiopulmonary Bypass in Patients Undergoing Minimally Invasive Bilateral Lung Transplantation; A.L. Meyer1, M. Avsar1, J. Gottlieb1, H. Goerler1, C. Hagl1, S. Fischer1, C. Kuehn1, A. Martens1, G. Warnecke1, B. Gohrbhandt1, M. Strueher1, A. Haverich1, A.R. Simon1;1 Hanover Thoracic Transplant Program, Hanover Medical School, Hanover, Germany

3:00 PM (381) Safe Extension of Ischaemic Time in Lung Transplantation – Where Is the Limit?; P. Botha1, N. Wrightson1, T. Butt1, P.A. Corris1, J.H. Dark1, A.J. Fisher1, S.V.B. Schueler1;1 Department of Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

3:15 PM (382) Initial Experience with Lung Transplantation from Non-Heart-Beating Donors; D. Van Raemdonck1, G.M. Verleden2, L. Dupont2, D. Van Hees3, W. Coosemans4, G. Decker1, P. De Leyn1, P. Nafteux5, T. Lerut6;1 Thoracic Surgery, University Hospitals Leuven, Leuven, Belgium; 2Pneumology, University Hospitals Leuven, Leuven, Belgium; 3Transplantation Coordination, University Hospitals Leuven, Leuven, Belgium

3:30 PM (383) Early Experience with Lung Transplantation Using Donors after Cardiac Death; D.P. Mason1, S.C. Murthy1, M.M. Budev1, A.C. Mehta2, A.M. McNeill1, G.B. Pettersson1;1 Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH; 2Pulmonary Medicine, Cleveland Clinic, Cleveland, OH

3:45 PM (384) ECLA vs. ECMO — Impact of Different Extracorporeal Life Support Systems as a Bridge to Lung Transplantation – A Single Center Retrospective Analysis; Y. Li1, M. Strueher1, J. Gottlieb1, B. Gohrbhandt1, S. Fischer1, A.L. Meyer1, C. Kuehn1, A. Goerler1, C. Hagl1, G. Warneke1, A. Haverich1, A.R. Simon1;1 Hannover Thoracic Organ Transplant Program, Division of Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School, Hannover, Germany

2:15 PM – 3:45 PM CONCURRENT SESSION 33: Update on the Prevention of Infectious Diseases in Thoracic Transplant Recipients (Room 302)
Chairs: Stephan Schueler, MD and Frauke Mattner, MD
2:15 PM When is “no” the Right Answer for a Donor? Kate Gould, FRCPath, Freeman Hospital, Newcastle, United Kingdom

2:40 PM An Update on Infectious Disease Prophylaxis, Emily A. Blumberg, MD, University of Pennsylvania, Philadelphia, PA

3:05 PM Traveling Transplant Recipient, Martha Mooney, MD, Eastern Virginia Medical School, Norfolk, VA

3:25 PM Vaccination in Thoracic Transplantation, Shahid Husain, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

2:15 PM - 3:45 PM
CONCURRENT SESSION 34: Organ Resuscitation Via Mechanical Perfusion (Room 311)
Chairs: Dirk Van Raemdonck, MD, PhD and Bruce R. Rosengard, MD, FRCS, FACS

2:15 PM (385) Ex-Vivo Normothermic Lung Perfusion (EVLP) Interrupts Ischemic Injury and Restores Cellular Metabolism; M. Cypel,1 S. Hirayama,1 M. Rubacha,1 S. Fischer,1 J. Yeung,1 M. Anraku,1 Y. Zhang,1 M. Sato,1 M. Liu,1 T.K. Waddell,1 M. de Perrot,1 S. Keshavjee,1 1Thoracic Surgery Department, Toronto Lung Transplant Program, Latner Thoracic Surgery Laboratory, University of Toronto, Toronto, ON, Canada

2:30 PM (386) Ex-Vivo Reconditioning of Marginal Donor Lungs Injured by Acid Aspiration; I. Inci,1 L. Ampollini,1 S. Arni,1 W. Jungtrautmayr,1 P. Vogt,1 B. Leškosek,1 S. Hillinger,1 W. Weder,1 1Department of Thoracic Surgery, University of Zurich, Zurich, Switzerland; 1Department of Pathology, University of Zurich, Zurich, Switzerland

2:45 PM (387) Ex-Vivo Assessment of Donor Hearts with the OCS To Detect Hidden Pathologies; S. Tsui,1 K. Dhital,1 C. Eisenring,2 A. Ardehali,2 1Cardiothoracic Surgery, Papworth Hospital, Papworth, United Kingdom; 2Cardiac Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

3:00 PM (388) Predicting the Metabolic State of Donor Hearts Prior to Implantation in a Large Animal Model of Perfusion Preservation; M. Peltz,1 D.H. Rosenbaum,1 M.E. Merritt,2 L. Ammann,3 M.E. Jessen,1 1Cardiovascular and Thoracic Surgery, University of Texas Southwestern Medical Center at Dallas, Dallas, TX; 2Advanced Imaging Center, University of Texas Southwestern Medical Center at Dallas, Dallas, TX

3:15 PM (389) Development and Evaluation of an In-Vitro Reperfusion Circuit for Reconditioning of Predamaged Donor-Lungs; S. Wipper,1 B. Martins,1 A. Dupree,1 J. Schirmer,1 C. Pahrmann,1 H. Reichenspurner,1 F. Wagner,1 1Cardiovascular Surgery, University Heart Center Hamburg, Hamburg, Germany

3:30 PM (390) Cardiac Reanimation for Donation after Cardiac Death; S.E. Repse,1 S. Pepe,1 J. Anderson,2 F.L. Rosenfeldt,2 1Cardiothoracic Surgical Research Unit, Alfred Hospital and Monash University, Melbourne, Victoria, Australia; 2Perfusion Department, Alfred Hospital, Melbourne, Victoria, Australia

2:15 PM - 3:45 PM
CONCURRENT SESSION 35: Induction Strikes Back (Room 310)
Chairs: Andreas O. Zuckermann, MD and Hermann Reichenspurner, MD, PhD

2:15 PM (391) Alemtuzumab Induction Facilitates Steroid-Free Maintenance Immunosuppression in Human Cardiac Transplantation; J. Teuteberg,1 M. Shullo,2 R. Zomak,1 Y. Toyoda,1 C. Bermudez,1 D. McNamara,1 R. Kormos,1 K. McCurry,1 1Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA; 2Department of Pharmacy and Therapeutics, University of Pittsburgh, Pittsburgh, PA; 1Heart, Lung, and Esophageal Institute, University of Pittsburgh, Pittsburgh, PA

2:30 PM (392) Infection and Rejection Risk Using Induction with Interleukin II Receptor Blockers vs. Antithymocyte Globulin vs. No Induction: A Multi-Institutional Study; S.V. Pamboukian,1 S.M. Pham,2 R.S.D. Higgins,3 B.S. Clemson,4 J.K. Kirklin,1 R.N. Brown,1 C. White-Williams,1 1Cardiac Transplant Research Database,1 1The University of Alabama at Birmingham, Birmingham, AL; 2University of Miami, Miller School of Medicine, Miami, FL; 3Rush University Medical Center, Chicago, IL; 4Henry Ford Hospital, Detroit, MI; 5Downstate Heart Transplant Center, Peoria, IL

2:45 PM (393) Impact of Different ATG Protocols on Long-Term Outcome after Cardiac Transplantation – Bow to Low or Cry for High; M. Groennmer,1 A.Z. Aliabadi,1 D. Dinkler,2 A.O. Zuckermann,1 1Dept. of Cardiothoracic Surgery, General Hospital Vienna, Vienna, Austria; 2Dept. of Medical Statistics, General Hospital Vienna, Vienna, Austria

3:15 PM (395) Primary Graft Dysfunction (PGD) in Human Lung Transplant Recipients Following T-Cell Depletion with Thymoglobulin or Campath-1H; D.J. Kaczorowski, D.B. Zaldonis, Y. Toyoda, C.A. Bermudez, B.G. Hattler, J.M. Pilewski, K.R. McCurry, Department of Surgery, University of Pittsburgh, Pittsburgh, PA; Division of Pulmonary and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA

3:30 PM (396) Successful Outcomes in Human Lung Transplantation with Campath Induction and Low Dose Maintenance Immunosuppression; S. Groves, A. Iacono, S. Moainie, M. Galazka, B. Sherman, S. O’Keefe, C. Wade, E. Britt, S. Lesser, N. Toddi, B. Griffith, Medicine, University of Maryland School of Medicine, Baltimore, MD; Surgery, University of Maryland School of Medicine, Baltimore, MD

3:45 PM – 4:15 PM Coffee Break (Exhibit Hall A)

4:15 PM - 5:45 PM CONCURRENT SESSION 36: Decision Trees and Outcomes in MCS (Rooms 304-306)


4:30 PM (398) Exercise Performance and Hemodynamic Unloading in Patients with an Axial Flow Pump in Comparison to Pulsatile Devices; N. De Jonge, H. Kirkels, C. Klopping, H.M. Nathoe, H. Kemperman, J.R. Lahrpor, Division Heart and Lungs, University Medical Center Utrecht, Utrecht, Netherlands; Clinical Chemistry, University Medical Center Utrecht, Utrecht, Netherlands

4:45 PM (399) Geometry of the Right Ventricle as Predictor of Right Ventricular Function after LVAD Implantation; E.Y. Potapov, A. Stepanenko, M. Dandel, M. Kukucka, T. Krabatsch, R. Hetzer, Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; Anesthesiology, Deutsches Herzzentrum Berlin, Berlin, Germany

5:00 PM (400) LVAD Risk Prediction Models: The Value of Getting Another Opinion; T.C. Matthews, T.F. Dardas, T.M. Koelling, F.D. Pagani, K.D. Aaronson, Internal Medicine, Division of Cardiovascular Medicine, University of Michigan, Ann Arbor, MI; Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI

5:15 PM Invited Lecture: Survival & Recovery After MCS State of the Clinical Art, Leslie W. Miller, MD, Washington Hospital Center, Washington, DC

4:15 pm – 5:45 pm CONCURRENT SESSION 37: Ex-Vivo Assessment and Resuscitation of Donor Lungs (Room 312)

4:15 PM NHBD - Definition, Update of Clinical Lung Experience; Andres Varela, MD, Hospital University Puerta de Hierro, Madrid, Spain

4:40 PM Ex-vivo Evaluation of NHBD Lungs; Dirk Van Raendonck, PhD, University Hospital Gasthuisberg, Leuven, Belgium

5:05 PM Extended Normothermic Ex-vivo Lung Assessment, Maintenance and Repair; Shaf Keshavjee, MD, FRCSC, Toronto General Hospital, Toronto, Canada

5:30 PM Panel Discussion

4:15 PM - 5:45 PM
CONCURRENT SESSION 38: Crossroads in Lung Transplantation  (Room 302)

Chairs: Octavio E. Pajaro, MD, PhD and Peter Jaksch, MD

4:15 PM (401) Everolimus Versus Mycophenolate Mofetil in De Novo Immunosuppression after Lung Transplantation – Interim Analysis of a Prospective, Randomized, Clinical Trial; M. Strueber, F. Stefan, A.R. Simon, G. Warnecke, M. Dierich, A. Haeverich, T. Welte, J. Gottlieb, Cardiothoracic, Transplant, and Vascular Surgery, Hannover Medical School, Hannover, Germany;

4:30 PM (402) Complete 3 Year Analysis of a Prospective Randomized International Multi-Center Investigator Driven Study Comparing Tacrolimus and Cyclosporin A, Both in Combination with MMF and Steroids after Lung Transplantation in 249 Patients; H. Reichenspurner, A. Glanville, A. Christina, R. Lama, B. Carlos, M. Dierich, A. Haverich, T. Welte, J. Gottlieb, Cardiothoracic, Transplant, and Vascular Surgery, Hannover Medical School, Hannover, Germany;

4:45 PM (403) Preservation of Pulmonary Function by Inhaled Cyclosporine in Lung Transplant Recipients; M. Galazka, S. Groves, T. Corcoran, B. Johnson, A. Suffredini, E. Britt, B. Sherman, S. Augustine, S. Moainie, N. Todd, B. Griffith, A. Iacono, Medicine, University of Maryland School of Medicine, Baltimore, MD;

5:00 PM (404) Cyclosporine Alters Airway Epithelial Cell Cytokine Secretion In Vitro: A Potential Mechanism To Explain the Efficacy of Inhaled Cyclosporine; R.M. Aris, P. McNeillie, L. Rothlein, O. Olusesi, S. Thomas, C. Hammert-Stubler, Pulmonary and Critical Care Medicine, University of North Carolina, Chapel Hill, NC

5:15 PM (405) A Multicenter Prospective, Randomized, Placebo-Controlled Trial of a CXCL8 Inhibitor (Reparixin) To Prevent Primary Graft Dysfunction after Lung Transplantation; B.F. Meyers, S. Keshavjee, M.R. Zamora, R.D Davis, M.A. Smith, P.M. McFadden, M.I. Hertz, L. Daffonchio, R. Novellini, Department of Surgery, Washington University School of Medicine, Saint Louis, MO; Toronto Lung Transplant Program, Division of Thoracic Surgery, University of Toronto, Toronto, ON, Canada; Division of Pulmonary Sciences and Critical Care Medicine, University of Colorado Denver Health Sciences Center, Denver, CO; Cardiothoracic Surgery, Duke University, Durham, NC; Dompe’ Pharma s.p.a., Milan, Italy; Division of Thoracic Surgery, St. Joseph’s Hospital and Medical Center, Phoenix, AZ; Department of Medicine, University of Minnesota, Minneapolis, MN; Department of Cardiothoracic Surgery, University of Southern California, Keck School of Medicine, Los Angeles, CA

5:30 PM (406) Comparison of a Tacrolimus/Sirolimus/Prednisone Regimen Versus Tacrolimus/Azathioprine/Prednisone Regimen in Lung Transplantation; B.F. Meyers, S. Keshavjee, M.R. Zamora, R.D Davis, M.A. Smith, P.M. McFadden, M.I. Hertz, L. Daffonchio, R. Novellini, Department of Surgery, Washington University School of Medicine, Saint Louis, MO; Toronto Lung Transplant Program, Division of Thoracic Surgery, University of Toronto, Toronto, ON, Canada; Division of Pulmonary Sciences and Critical Care Medicine, University of Colorado Denver Health Sciences Center, Denver, CO; Cardiothoracic Surgery, Duke University, Durham, NC; Dompe’ Pharma s.p.a., Milan, Italy; Division of Thoracic Surgery, St. Joseph’s Hospital and Medical Center, Phoenix, AZ; Department of Medicine, University of Minnesota, Minneapolis, MN; Department of Cardiothoracic Surgery, University of Southern California, Keck School of Medicine, Los Angeles, CA

4:15 PM - 5:45 PM

CONCURRENT SESSION 39: Innovation in Technology and Health Care: Improving the Patient's Health Care Experience (Room 311)

Chairs: Alexandria Berg, RN and Annemarie Kaan, MCN, RN

4:15 PM (407) The Experience of Day-to-Day Living, When Life Involves a HeartMate II; H. Kjeldgaard, K. Sander, Department of Transplantation, Rigshospitalet, Copenhagen, Denmark; Department of Cardiothoracic Surgery, Rigshospitalet, Copenhagen, Denmark

4:30 PM (408) Ventricular Assist Device Patients Managed Safely at Home 100 Miles or More from Implant Center; M.A. Murray, N. Edwards, M.R. Johnson, S. Osaki, L. Lozonschi, T. Kohmoto, Department of Heart and Vascular Care, University of Wisconsin Hospital Clinics, Madison, WI; Department of Cardiology–Heart Failure, University of Wisconsin Hospital and Clinics, Madison, WI; Department of Surgery–Cardiothoracic Surgery, University of Wisconsin Medical School, Madison, WI

4:45 PM (409) Lung Transplant and Telehealth: Improving Patient Care through Partnerships; C. Whytehead, S. McGonigle, B. Purdy, P. Rossos, S. Keshavjee, M.A. Hutcheon, C. Chaparro, D. Hadjiiladis, L.G. Singer, Toronto Lung Transplant Program, University Health Network, Toronto, ON, Canada; Telehealth Program,
5:00 PM (410) In the Beginning, There Were Endomyocardial Biopsies? Can We Live without Them?; T.M. Rowe, 1 O. Gojkovic, 2 H.J. Eisen, 3 S.R. Hankins, 3 1Center for Advanced Heart Failure Care, Hahnemann University Hospital, Philadelphia, PA; 2Division of Cardiology/Department of Medicine, Drexel University College of Medicine, Philadelphia, PA

5:15 PM (411) Home Based Exercise Training in Lung and Heart Transplant Recipients – Effects on Maximum and Endurance Exercise Capacity; U. Tegtbur, 1 J. Gottlieb, 2 C. Bara, 3 M. Dierich, 3 E. Gützlaff, 2 A. Simon, 1 T. Welte, 3 A. Haverich, 1 M. Strüber, 1 C. Kugler, 1 Hannover Thoracic Transplant Program, Medical School, Hannover, Germany; 2Sportsmedicine, Medical School, Hannover, Germany; 3Pulmonary Medicine, Medical School, Hannover, Germany

5:30 PM (412) A Randomized Controlled Trial of Pocket PATH Versus Standard Care on Self-Care Behaviors after Lung Transplant; A. DeVito Dabbs, 1 M.A. Dew, 2 B.A. Myers, 3 R.P. Hawkins, 4 D. Ren, 1 A. Begey, 1 R. Zomak, 1 K.L. Lo Coco, 1 K.R. McCurry, 1 Nursing, University of Pittsburgh, Pittsburgh, PA; 2School of Medicine, University of Pittsburgh, Pittsburgh, PA; 3Computer Sciences, Carnegie Mellon University, Pittsburgh, PA; 4Journalism Mass Communication, University of Wisconsin, Madison, WI; 5Cardiothoracic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA

4:15 PM - 5:45 PM CONCURRENT SESSION 40: Immunobiology of Heart Transplantation (Room 310) Chairs: David S. Feldman, MD, PhD and Karl B. Lemstrom, MD, PhD

4:15 PM (413) The Fibrin Derived Peptide B-beta15-42 Ameliorates Ischemia-Reperfusion Injury after Heart Transplantation in Rats; D. Wiedemann, 1 S. Schneeberger, 2 P. Friedl, 2 N. Wick, 2 K. Zacharowski, 3 P. Petzelbauer, 3 R. Margreiter, 2 G. Laufer, 2 S. Sensroth, 2 1Dept. of Cardiac Surgery, Innsbruck Medical University, Innsbruck, Austria; 2Dept. of General and Transplant Surgery, Innsbruck Medical University, Innsbruck, Austria; 3Dept. of General Dermatology, Vienna Medical University, Vienna, Austria; 4Dept. of Clinical Pathology, Vienna Medical University, Vienna, Austria; 5Dept. of Anesthesia, University Hospital Duesseldorf, Duesseldorf, Germany

4:30 PM (414) Cell-Matrix Interactions Influence Endothelial MHC Class II Expression Via SOCS1 and 3 Upregulation; H. Methe, 1,2 S. Hess, 1,3 J.-O. Kim, 1 E.R. Edelman, 1,3 1Harvard-MIT Division of Health Sciences and Technology, Massachusetts Institute of Technology, Cambridge, MA; 2Department of Cardiology, University Hospital Grosshadern, LMU Munich, Munich, Germany; 3Cardiovascular Division, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA

4:45 PM (415) Alloreactive T Cell Biomarkers of Acute Heart Allograft Rejection; D. Lin, 1 Z. Hollander, 2 P. Qasimi, 2 E. Shen, 2 R. Balshaw, 2 R. Ng, 2 R. McMaster, 2 P. Keown, 2 B. McManus, 1 A. Mui, 3 1Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada; 2James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, University of British Columbia, Vancouver, BC, Canada; 3Medicine, University of British Columbia, Vancouver, BC, Canada; 4Statistics, University of British Columbia, Vancouver, BC, Canada; 5Medical Genetics, University of British Columbia, Vancouver, BC, Canada; 6Medical Ethics, University of British Columbia, Vancouver, BC, Canada; 7Surgery, University of British Columbia, Vancouver, BC, Canada

5:00 PM (416) Rapamycin Attenuates Hypoxic Inhibition of Telomerase Activity in Endothelial Cells; M.V. Badiwala, 1 S.-H. Li, 1 J.L. Procter, 1 L.C. Tumiati, 1 R.-K. Li, 1 R.D. Weisel, 1 V. Rao, 1 1Division of Cardiovascular Surgery, Peter Munk Cardiac Centre, Toronto General Hospital, Toronto, ON, Canada

5:15 PM (417) Constitutively Expressed Hypoxia-Inducible Factor-1 Prevents the Development of Cardiac Allograft Vasculopathy in the Rat; M.A.I. Keränen, 1 A.I. Nykänen, 1 R. Krebs, 1 H. Sandelin, 1 R. Tuuminen, 1 K. Alitalo, 2 K. Pajusola, 2 S. Ylä-Herttuala, 2 P.K. Koskinen, 2 K.B. Lemström, 3,4 1Transplantation Laboratory, University of Helsinki and Helsinki University Central Hospital, Helsinki, Finland; 2Centre for Cardiovascular and Molecular Research, University of Helsinki, Helsinki, Finland; 3Lumacor, Inc, Minneapolis, MN, USA; 4James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, University of British Columbia, Vancouver, BC, Canada

5:30 PM (418) Metabolomic Biomarkers of Acute Heart Allograft Rejection; Z. Hollander, 1 D. Wishart, 1 D. Lin, 1 J. Peng, 1 D. Hau, 1 J. Wilson-McManus, 1 R. Balshaw, 2 R. Ng, 2 R. McMaster, 2 P. Keown, 2 B. McManus, 3 1James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, St Pauls Hospital-University of British Columbia, Vancouver, BC, Canada; 2Computing Science and Biological Sciences, University of Alberta, Edmonton, AB, Canada; 3Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada; 4Public Health Services, University of Alberta, Edmonton, AB, Canada; 5Biochemistry, University of Alberta, Edmonton, AB, Canada; 6Statistics, University of British Columbia, Vancouver, BC, Canada; 7Computer Science, University of British Columbia, Vancouver, BC, Canada; 8Medical Genetics, University of British Columbia, Vancouver, BC, Canada; 9Medicine, University of British Columbia, Vancouver, BC, Canada
The Immunomodulation of Circulating CD4+ CD25bright Regulatory T Cells by Pravastatin in a Heart Transplant Cohort; S.M. Shaw, J.E. Fildes, N.U. Khan, S. Patel, C.T. Leonard, S.G. Williams, N. Yonan, Transplant Research, University Hospital of South Manchester NHS Trust, Manchester, United Kingdom

Modulation of Acute and Chronic Allograft Rejection Via Oral Application of Alloantigen Coding DNA; S.M. Ensminger, A. Bushell, K. Goldmann, M. Wollin, M. Weyand, B. Spriewald, Department of Cardiac Surgery, University of Erlangen-Nuremberg, Erlangen, Bavaria, Germany; Nuffield Department of Surgery, University of Oxford, Oxford, United Kingdom; Department of Medicine, University of Erlangen-Nuremberg, Erlangen, Bavaria, Germany


Natural Killer Cells Deplete from Peripheral Blood and Increase in Myocardial Tissue during Acute Rejection Following Heart Transplantation; J.E. Fildes, P. Bishop, J. Mitchell, C.T. Leonard, N. Yonan, The Transplant Centre, Wythenshawe Hospital, University Hospital of South Manchester, Manchester, United Kingdom

In Vitro Characterisation of Endogenous Adult Cardiac Progenitors and Their Flux after Ischaemic Injury; I.M. Ahmed, V. Chandrakanthan, M. Xaymardan, O.W.J. Prall, S. Nasr-Esfahani, R.P. Harvey, Victor Chang Cardiac Research Institute, Sydney, NSW, Australia

BOS-Development: Comparing the Kinetics of Systemic Host Immune Response after Experimental Heterotopic and Orthotopic Tracheal Transplantations; S. Schrepfer, T. Deuse, R.C. Robbins, Cardiothoracic Surgery, Stanford University School of Medicine, Stanford, CA

Reliable Tolerance Induction in Pulmonary Transplantation in Pigs by Clinically Feasible Donor Splenocyte Cotransplantation; S. Thissen, G. Warnecke, B. Kruse, M. Avsar, F. Laenger, V. Kaever, S.R. Andre, Div. of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany; Department of Pathology, Hannover Medical School, Hannover, Germany; Department of Molecular Pharmacology, Hannover Medical School, Hannover, Germany; Department of Radiotherapy and Special Oncology, Hannover Medical School, Hannover, Germany

Imaging Acute Rejection and Graft Revascularization with Bioluminescence Imaging; W. Stein, S. Schrepfer, J. Velotta, J. Bartos, K. Kiely, M. Fischbein, R.C. Robbins, Department of Cardiothoracic Surgery, Stanford University, Stanford, CA

Toll-Like Receptor-4 (TLR4) Inhibition Reduces Actin Cytoskeletal Re-Arrangement and Gap Formation in Cultured Human Pulmonary Microvascular Endothelial Cells (HMVECs) Subjected to Simulated Warm Ischemia-Reperfusion Injury (IRI); M. Casiraghi, J. Abano, K. Burridge, S. Randell, T.M. Egan, Department of Thoracic Surgery, San Raffaele Scientific Institute and University, Milan, Italy; Division of Cardiothoracic Surgery, University of North Carolina at Chapel Hill, Chapel Hill, NC; Department of Cell and Developmental Biology, University of North Carolina at Chapel Hill, Chapel Hill, NC; Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC

Hydrogen Inhalation Prevents Ischemia/Reperfusion Injury of Rat Cardiac Grafts; A. Nakao, D. Kaczorowski, R. Sugimoto, Y. Wang, H. Ueda, T.R. Billiar, K.R. McCurry, Thomas E Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA; Surgery, University of Pittsburgh, Pittsburgh, PA; Mitleben RD Associates, Osaka, Japan

The Role of Lymphoid Neogenesis in the Chronic Local Alloimmune Response in the Lung; M. Sato, S. Hiyawana, D. Wagner, M. Liu, T.K. Waddell, S. Keshovve, Latner Thoracic Surgery Research Laboratories, Toronto General Hospital, University Health Network, Toronto, ON, Canada

Apoptosis Is an Effector Mechanism of Acute Cardiac Allograft Rejection: Involvement of Proteolytic Bel-2 Degradation; M. Kreis, P. Huber, M. Heidt, M. Schaub, M. Sayegh, H. Tillmanns, T.H. Stadelbauer, Department
of Internal Medicine, Cardiology and Angiology, University Hospital Giessen, Giessen, Germany; 2Dialysis Unit, Dillenburg, Dillenburg, Germany; 3Transplant Research Center, Renal Division, Brigham and Women’s Hospital, Boston, MA

(431) Does the Application of Electrical Microcurrent Heal Heart Failure? First Pre-Clinical In Vivo Results; J.H. Mueller,1 B. Kappeler,2 M. Hofmann,2 U.M. Losert,2 K. Macfelda,2 1Berlin Heart, Berlin, Germany; 2Medical University of Vienna, Vienna, Austria

(432) Interplay between Coagulation and Inflammation in Lung Transplantation Ischemia-Reperfusion; C.L. Lau,1 J. Kim,2 D.J. Pinsky,3 1Surgery, University of Virginia, Charlottesville, VA; 2Surgery, University of Michigan, Ann Arbor, MI; 3Internal Medicine, University of Michigan, Ann Arbor, MI

(433) The Effect of Organ-Specific CD26/Dipeptidylpeptidase IV (DPP IV) – Inhibitor – Preconditioning on Acute Pulmonary Allograft Rejection in Rats; W. Jungraithmayr,1 B. Oberreiter,2 I. DeMeester,3 P. Vogt,1 M. Cardell,1 W. Zhai,1 S. Hillinger,1 K. Augustyns,1 S. Arm,1 S. Scharpe,1 W. Weder,2 S. Korom,1 1Thoracic Surgery, University Hospital, Zurich, Switzerland; 2Department of Pharmaceutical Sciences, University of Antwerp, Antwerpen, Belgium

(434) Revising the Virtual Crossmatch Algorithm: The Predictive Value of Solid-Phase Antibody Detection Assays; E. Field,3,1 J. Klesney-Tait,1 K. Parekh,1 N. Zavazava,2,1 1Internal Medicine, University of Iowa Hospitals and Clinics, Iowa City, IA; 2Cardiothoracic Surgery, University of Iowa Hospitals and Clinics, Iowa City, IA; 3Research Service, Department of Veterans Affairs Medical Center, Iowa City, IA

(435) Localization of Versican in Proliferating Smooth Muscle Cells: Implications for Chronic Rejection; J.M. Carthy,1 M. Rahmani,1 B.M. McManus,1 1Pathology and Laboratory Medicine, The University of British Columbia, Vancouver, BC, Canada

(436) VEGF-A and VEGF-D Increase Endothelial Permeability by Altering Cell Junctions; X. Si,1,2 B. Wong,1,2 Z. Luo,1,2 E.K.-Y. Walker,1,2 D. Lin,1,2 B.M. McManus,1,2 1The James Hogg iCAPTURE Centre for Cardiovascular and Pulmonary Research, St. Paul’s Hospital/Providence Health Care, Vancouver, BC, Canada; 2Pathology and Laboratory Medicine, The University of British Columbia, Vancouver, BC, Canada

(437) Hypoxic Injury and Rapamycin Stimulates Endothelial Chemotaxtractant EGFL7 Production; M.V. Badiwala,1 L.C. Tumiati,1 J.L. Prodger,1 R. Sheshgiri,1 E.D. Tepperman,1 V. Rao,1 1Division of Cardiovascular Surgery, Peter Munk Cardiac Centre, Toronto General Hospital, Toronto, ON, Canada

(438) Onset of Bronchiolitis Obliterans Syndrome Predicted by Elevated Plasma IL-6 and IFNG Levels; S.D. Moffatt-Bruce,1 M. Garelnabi,2 D. Nunley,2 K. Wood,2 P. Ross,1 1Department of Cardiothoracic Surgery, Ohio State University Medical Center, Columbus, OH; 2Department of Medicine, Ohio State University Medical Center, Columbus, OH

(439) Bel-3 Negatively Regulates Ischemia Reperfusion Injury in Mouse Orthotopic Vascularized Lung Grafts; S. Sugimoto,1 J. Lai,1 M. Okazaki,1 R. Carmody,1 H.J. Huang,1 G.A. Patterson,1 D. Kreisel,1 A.E. Gelman,1 1Department of Surgery, Washington University School of Medicine, Saint Louis, MO; 2Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia, PA; 3Internal Medicine, Washington University School of Medicine, Saint Louis, MO

(440) FR167653 Ameliorates Expression of Proinflammatory Mediators in HUVEC and Human Monocytes; M. Schaub,1 P. Harwald,1 J. Wilhelm,2 B. Parviz,1 A. Weber,2 A. Barth,2 H. Tillmanns,2 T.H.W. Stadlbauer,1 1Dialysis Unit, Dillenburg, Dillenburg, Germany; 2Medicine, Cardiology and Angiology, University of Giessen, Giessen, Germany; 3Pathology, University of Giessen, Giessen, Germany

(441) Macrophage Colony-Stimulating Factor Produced by Intragraft Fibroblasts Plays a Mitogenic Role in Monocyte/Macrophage Recruitment to Cardiac Allografts Experiencing Chronic Rejection; G.D. Wu,1 Y. He,1 H. Wang,1 A.S. Klein,1 1Comprehensive Transplantation, Cedars-Sinai Medical Center, Los Angeles, CA

(442) Extracellular Matrix Gene Expression during Myocardial Recovery from Heart Failure Following LVAD Combination Therapy; E. Lara-Pezzi,1 E. Felkin,1 R. George,1 M.H. Yacoub,1 E.J. Birks,1 1Harefield Heart Science Centre, Imperial College London, Harefield, Middlesex, United Kingdom; 2Harefield Hospital, Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom

(443) HAND1 Gene Expression Is Associated Mitochondrial Energy Pathways and Is Altered during Myocardial Recovery from Heart Failure Following LVAD Combination Therapy; E. Lara-Pezzi,1 E. Felkin,1 R. George,1 M.H. Yacoub,1 E.J. Birks,1 1Harefield Heart Science Centre, Imperial College London, Harefield, Middlesex, United Kingdom; 2Harefield Hospital, Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom
Follistatin Gene Expression in Heart Failure and Myocardial Recovery Following LVAD Combination Therapy; E. Lara-Pezzi,1,3 L.E. Felkin,1 P. Sarathchandra,1 R. George,1,2 J.L. Hall,4 M.H. Tacyoob,1 N. Rosenthal,1,3 E.J. Birks,1,2 P.J. Barton,1 Harefield Heart Science Centre, Imperial College London, Harefield, Middlesex, United Kingdom; 2Harefield Hospital, Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom; 3Mouse Biology Unit, European Molecular Biology Laboratory, Monterotondo, Roma, Italy; 4Department of Medicine, Cardiovascular Division, University of Minnesota, Minneapolis, MN

Will Heart Transplant Candidates in Eurotransplant Urgent Status with Mechanical Circulatory Support Survive More Than Those in Urgent Status without It?; T. Komoda,1 H.B. Lehmkuhl,4 R. Hetzer,1 1Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany

Successful Subzero Non-Freezing Preservation of Rat Lungs with Supercooling Technology; T. Okamoto,3 T. Nakamura,3 J. Zhang,3 A. Aoyama,3 N. Satoda,3 A. Takahashi,3 X. Zhao,3 F. Chen,1 T. Fujinaga,1 H. Hamakawa,1 T. Shoji,1 H. Sakai,1 H. Wada,1 T. Bando,1 1Department of Thoracic Surgery and Department of Organ Preservation Technology, Kyoto University, Kyoto, Japan

Impact of the New Lung Allocation System in the US: A Single Center Study; R.R. Hachem,1 R.D. Yusen,1 B.F. Meyers,1 A. Patterson,1 E.P. Trulock,1 1Pulmonary Critical Care, Washington University School of Medicine, St. Louis, MO; 2Thoracic Surgery, Washington University School of Medicine, St. Louis, MO


Celsior for Graft Preservation in Clinical Lung Transplantation; B. Gohrbandt,1 A.R. Simon,1 S. Fischer,1 C. Hagl,1 J. Gottlieb,1 T. Welte,1 A. Haeverich,1 M. Strueber,1 1Department of Cardiothoracic, Transplantation and Vascular Surgery, Medical School Hannover, Hannover, Germany; 2Department of Respiratory Medicine, Medical School Hannover, Hannover, Germany

The Successful Introduction of Donor Care Physiologists into Intra-Operative Management of Multi-Organ Donors; F. Falter,1 A.M. Ingle,1 M. Goddard,2 G. Betts,2 K. Godsmidh,2 S. Tsui,2 1Department of Anaesthesia and Intensive Care, Papworth Hospital, Cambridge, United Kingdom; 2Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; 3Department of Pathology, Papworth Hospital, Cambridge, United Kingdom; 4RD Department, Papworth Hospital, Cambridge, United Kingdom

Endothelial Dysfunction after Long Term Cold Storage in HTK Organ Preserving Solutions – Effects of Iron Chelators; T. Radovits,1 J. Zotkina,1 L.-N. Lin,1 A. Koch,1 U. Rauen,2 M. Karck,1 G. Szabó,1 1Department of Cardiac Surgery, University of Heidelberg, Heidelberg, Germany; 2Institute of Physiological Chemistry, University Hospital Essen, Essen, Germany

Non-Utilization of Donor Organs for Non Medical Reasons – Impact on Patients Waiting for Heart and Lung Transplantation; C. Van De Waawer,1 M. Villavicencio,1 N. Wrighton,1 T. Butt,1 J.H. Dark,1 S.C. Clark,1 T. Pillay,1 K. Tocewicz,1 S. Ledingham,1 J. Forty,1 S. Schueler,1 1Department of Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, United Kingdom

Lung Allograft Evaluation of Rejected Extended Criteria Donors; C.H. Wigfield,1 J.D. Lindsey,1 J. Anderson,1 R.B. Love,1 1Cardiopulmonary Transplantation, University Wisconsin Hospitals, Madison, WI; 2Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, England, United Kingdom; 3Thoracic and Cardiovascular Surgery, Loyola University Medical Center, Maywood, IL

Biliverdin-Supplementation into the Preservation Solution Prevents Lung Cold Ischemia/Reperfusion Injury; R. Sugimoto,1 A. Nakao,1 J. Kohmoto,1 Y. Wang,1 T.R. Billiar,1 K.R. McCurry,1 1Department of Surgery, Heart, Lung and Esophageal Surgery Institute, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA; 2Department of Surgery, University of Pittsburgh, Pittsburgh, PA

Myocardial Perfuosate Delivery during Cardiac Storage with a Perfusion Device; M. Peltz,1 D.H. Rosenbaum,1 L. West,1 M.L. Cobert,1 M.E. Jessen,1 1Cardiovascular and Thoracic Surgery, UT Southwestern Medical Center, Dallas, TX

Echo or Levo EF in Older Donor Hearts; Is the Echo EF Sufficient?; O. Grauhan,1 M. de la Chevalerie,1 F. Polster,2 G. Schmidt,2 R. Krueger,1 C. Wesslau,1 R. Hetzer,1 1Heart-, Lung- and Thorax Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; 2Deutsche Stiftung Organspanplastik, Region Nord Ost, Berlin, Germany
(468) Immunosuppression with Everolimus in Cardiac Transplant Patients with Calcineurininhibitor-Associated Renal Dysfunction; A. Costard-Jaeckle,1 L. Baholli,1 S. Meyer,1 F. Wagner,1 H. Reichenspurner,1,2 1University Heart Center, Hamburg, Germany

(469) Randomized, Prospective, Open Label Study of Gastrointestinal Symptoms after Conversion from Mycophenolate Mofetil (Cellcept™) to Enteric Encapsulated Mycophenolic Acid (Myfortic™) Following Lung Transplantation; B.A. Johnson,4 S.M. Studer,1 M.M. Crespo,1 J.B. Kim,1 J.M. Pilewski,1 K.R. McCurry,2 1Department of Medicine, University of Pittsburgh, Pittsburgh, PA; 2Department of Surgery, University of Pittsburgh, Pittsburgh, PA

(470) Everolimus Reduces the Risk of Humoral Rejection in De-Novo HTx Recipients Compared to MMF Treated Patients; H.B. Lehmkuhl,1 N.E. Hiemann,1 M. Dandel,1 D. Mai,1 C. Knosalla,1 O. Grauhan,1 R. Meyer,1 M. Pasic,1 M. Huebler,1 Y. Weng,1 R. Hetzer,1 1Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany

(471) Utility of Basiliximab Induction at Mid-Term Follow-Up; D.H. Rosenbaum,1 J. Mitchell,1 B. Adams,1 P. Kaiser,1 D.M. Meyer,1 M.E. Jessen,1 M.A. Wait,1 M.H. Drazner,1 W.S. Ring,1 J.M. DiMaio,1 1UT Southwestern Medical Center, Dallas, TX

(472) Recovery of Pulmonary Function with Pumpless Extracorporeal Lung Assist (PECLA); C. Schmid,1 A. Philipp,1 S. Hirt,1 B. Flörchinger,1 A. Klose,1 T. Mueller,1 K. Lehle,1 F.-X. Schmid,1 D. Birnbaum,1 M. Hilker1 1Dept. of Cardiothoracic Surgery, University Hospital Regensburg, Regensburg, Germany; 2Dept. of Anesthesiology, University Hospital Regensburg, Regensburg, Germany

(473) Transcriptional Profiling of Short and Long-Term Cultured Mesenchymal Stem Cells from Patients Undergoing CABG; M.B. Will,1 J.C. Mountford,1 W.N. Keith,3 A.J. Murday,1 1Department of Cardiac Surgery, Glasgow Royal Infirmary, Glasgow, United Kingdom; 2Section of Experimental Haematology and Haematopoietic Stem Cells, University of Glasgow, Glasgow, United Kingdom; 3Centre for Oncology and Applied Pharmacology, University of Glasgow, Glasgow, United Kingdom

(474) Identification of Cells Expressing the Isl1 Cardiac Progenitor Marker in Miniature Swine; A.J. Meltzer,1 S.L. Houser,1 J.C. Madsen,1 K.R. Chien,1 M.E. Cochrane,1 J.S. Allan,1 B.R. Rosengard,1 1Cardiothoracic Surgery, Massachusetts General Hospital, Boston, MA; 2Cardiovascular Research Center, Massachusetts General Hospital, Boston, MA

(475) Treatment of Decellularized Porcine Heart Valve Tissue with Porcine Native Proteins Prevents Granulocyte Adhesion and Activation; F. Bastian,1,2 M.-E. Stelzmueller,1 M.-T. Kasimir,1 P. Simon,1 G. Weigel1,2 1Cardio-Thoracic Surgery, Medical University of Vienna, Vienna, Austria; 2Ludwig Boltzmann Institute for Cardiovascular Research, Vienna, Austria

(476) The Use of the Impella RD as Bridge to Recovery for Right Ventricular Dysfunction Post Cardiac Transplantation; M.T. Bennett,1 S.A. Virani,2 J.B. Bowering,3 A. Lehtinen,1 A.M. Manka,1 A. Cheung,2 1Cardiology, St. Paul’s Hospital, Vancouver, BC, Canada; 2Cardiovascular Surgery, St. Paul’s Hospital, Vancouver, BC, Canada; 3Anesthesiology, St. Paul’s Hospital, Vancouver, BC, Canada

(477) A Provocative Combination: Ventricular Assist Devices, Personality Disorders and Ethics; R.J. Petrucelli,1 L.A. Bennish,1 J.W. Entwistle,2 S.R. Hankins,1 H.J. Eisen,1 1Psychiatry and Medicine, Drexel University College of Medicine, Philadelphia, PA; 2Cardiothoracic Surgery, Drexel University College of Medicine, Philadelphia, PA; 3Medicine, Drexel University College of Medicine, Philadelphia, PA

(478) Ethical Considerations for Cardiac Ventricular Assist Device Support: A 12 Point Protocol; R.J. Petrucelli,1 L.A. Benish,1 J.W. Entwistle,2 S.R. Hankins,1 H.J. Eisen,1 1Psychiatry and Medicine, Drexel University College of Medicine, Philadelphia, PA; 2Cardiothoracic Surgery, Drexel University College of Medicine, Philadelphia, PA; 3Medicine, Drexel University College of Medicine, Philadelphia, PA

(479) Physical Activities in Daily Life Remain Abnormal 1 Year after Lung Transplantation; D. Langer,1,2 F. Dobbelts,1 F. Pitta,1 C. Burtin,1,2 G. Verleden,1 L. Dupont,1 M. Decramer,1,2 R. Gosselin,1,2 T. Troosters,1,2 1Faculty of Kinesiology and Rehabilitation Sciences, Dept. Rehabilitation Sciences, Katholieke Universiteit Leuven, Leuven, Belgium; 2Respiratory Rehabilitation and Respiratory Division, Katholieke Universiteit Leuven, Leuven, Belgium; 3Center for Health Services and Nursing Research, Katholieke Universiteit Leuven, Leuven, Belgium; 4Dept. Physiotherapy, Universidade Estadual de Londrina, Londrina, Brazil

(480) Adherence, Perceived Health Status and Psychological Functioning More Than 3 Years after Lung Transplantation; E. Dobbelts,1 C. Perreman,1 L. Dupont,1 1Center for Health Services and Nursing Research, Katholieke Universiteit Leuven, Leuven, Belgium; 2Lung Transplantation Program, University Hospitals of Leuven, Leuven, Belgium
(481) Quality of Life after Paediatric Heart Transplantation – Do Children and Their Parents Agree?; J. Wray, T. Lunnon-Wood, Cardiothoracic Transplantation, Great Ormond Street Hospital for Children NHS Trust, London, United Kingdom

(482) A Virtual Community for Post-Transplant Pediatric Patients; K. Satoh, E.D. Blume, D.R. DeMaso, J.M. Gonzalez-Heydrich, M. Bers, Developmental Technologies Research Group, Eliot-Pearson Department of Child Development, Tufts University, Medford, MA; Department of Cardiology, Children’s Hospital Boston, Boston, MA; Department of Psychiatry, Children’s Hospital Boston, Boston, MA

(483) Demonstration of Improvement in Health-Related Quality of Life Post Lung Transplantation: Results Based on the Health Utilities Index (HUI); M.-J. Santana, D. Feeny, K. Jackson, J. Weinkauff, D. Lien, School of Public Health, University of Alberta, Edmonton, AB, Canada; Centre for Health Research, Kaiser Permanente Northwest, Portland, OR; Lung Transplant Program, University of Alberta, Edmonton, AB, Canada; Lung Transplant Program, University of Alberta, Edmonton, AB, Canada

(484) Are Patients Working at 5 to 10 Years after Heart Transplantation?; C. White-Williams, K.L. Grady, E. Wang, J.B. Young, D. Pelegri, J. Czerr, J. Kobashigawa, J. Chait, A. Heron, R. Higgins, B. Rybarczyk, M. McLeod, D.C. Nafiel, S. Myers, J.K. Kirklin, Nursing, Cardiovascular Surgery, University of Alabama at Birmingham, Birmingham, AL; Cardiothoracic Surgery, Northwestern University, Chicago, IL; Center on Outcomes, Research, and Education, Evanston Northwestern Healthcare Northwestern University, Evanston, IL; Cardiology, Cleveland Clinic, Cleveland, OH; Division of Clinical Faculty Medicine, University of California, Los Angeles, Los Angeles, CA; Cardiology, Loyola University Medical Center, Maywood, IL; Cardiovascular-Thoracic Surgery, Rush University Medical Center, Chicago, IL; Psychology, Virginia Commonwealth University, Richmond, VA


(486) Cognitive Impairment in Heart Failure: It Is More Than Just Depression; J.R. Festa, P.A. Shapiro, D.M. Mancini, E.R. Luntz, M.C. Deng, Y. Naka, R.M. Lazar, Neurology, Columbia University Medical Center, College of Physicians and Surgeons, New York, NY; Psychiatry, Columbia University Medical Center, College of Physicians and Surgeons, New York, NY; Medicine - Cardiology, Columbia University Medical Center, College of Physicians and Surgeons, New York, NY; Surgery, Columbia University Medical Center, College of Physicians and Surgeons, New York, NY; Neurosurgery, Columbia University Medical Center, College of Physicians and Surgeons, New York, NY

(487) Longitudinal Assessment of Non-Adherence with Lung Function Monitoring after Lung Transplantation; C. Kugler, A. Simon, M. Strueber, T. Welte, A. Haverich, Cardiology and Transplant Surgery, Hannover Thoracic Transplant Program, Hannover Medical School, Hannover, Germany; Respiratory Medicine, Hannover Thoracic Transplant Program, Hannover Medical School, Hannover, Germany

(488) Novel LVAD Driveline Dressing Promotes Stability and Healing; S. Stoker, C. Haney, C. Madsen, L. Janicki, K. McCoy, W. Perry, R. Huff, M. Moses, M. Bonnell, B. Reid, S. Clayson, A.G. Kfoury, J.W. Long, Utah Artificial Heart Program, Intermountain Medical Center, Salt Lake City, UT

(489) Influence of LVAD Support in Pediatric Patients on Outcome during Transplant Waiting-Time; S. Klotz, T.T.D. Tjan, O. Sezer, V. Debus, S.H. Daehritz, H.H. Scheld, Dept. of Thoracic and Cardiovascular Surgery, University Hospital Muenster, Muenster, Germany; Dept. of Pediatric Cardiology, University Hospital Muenster, Muenster, Germany

(490) Current Outcomes for Lung Transplantation in Children with Cystic Fibrosis; J.M. Robertson, M.G. Schecter, E.D. McKenzie, J.S. Heine, D.L. Morales, G.B. Mallory, O. Elidemir, Pediatric Pulmonology, Baylor College of Medicine, Houston, TX; Congenital Heart Surgery, Baylor College of Medicine, Houston, TX

(491) Hypogammaglobulinemia after Pediatric Lung Transplantation; J.M. Robertson, M.G. Schecter, G.B. Mallory, J.S. Heine, E.D. McKenzie, D.L. Morales, O. Elidemir, Pediatric Pulmonology, Baylor College of Medicine, Houston, TX; Congenital Heart Surgery, Baylor College of Medicine, Houston, TX

(492) Monitoring for PTLD in Children after Lung Transplantation; O. Elidemir, B.S. Kancherla, M.G. Schecter, E.D. McKenzie, J.S. Heine, D.L. Morales, G.B. Mallory, Pediatric Pulmonology, Baylor College of Medicine, Houston, TX; Congenital Heart Surgery, Baylor College of Medicine, Houston, TX
The Failed Pediatric Cardiac Allograft: Clinical and Pathologic Features; G.S. Perens,1 S. Meier,1 R. Kaur,1 F. Li,2 M.C. Fishbein,21 Pediatrics, Mattel Children's Hospital at UCLA Medical Center, Los Angeles, CA;1 Department of Pathology, UCLA Medical Center, Los Angeles, CA

Cardiac Transplantation for the Failing Fontan Circulation; P. Botha,1 M. Chaudhari,2 N. Wrightson,1 G. Parry,1 M. Griselli,1 L. Hamilton,1 J.H. Dark,1 A. Hasan,11 Department of Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom;2 Department of Paediatric Cardiology, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

Predictors of Acute Right Heart Failure after Pediatric Cardiac Transplant and Long Term Outcome; A. Hoskote, C. Carter, P. Rees, M. Burch, K. Brown1 Cardiothoracic Unit, Great Ormond Street Hospital NHS Trust, London, United Kingdom

Lung Transplantation in Infants, Toddlers, and Young Children; M.G. Schecter,1 G.B. Mallory,1 E.D. McKenzie,2 J.S. Heinle,2 D.L. Morales,2 O. Elediemir,2 Pediatric Pulmonary Medicine, Baylor College of Medicine, Houston, TX;1 Congenital Heart Surgery, Baylor College of Medicine, Houston, TX

The Non-Invasive Doppler Derived Tei-Index May Differentiate between Patients with and without Coronary Allograft Vasculopathy (CAV) in Pediatric Heart Transplant Recipients; S. Schubert,1 H.B. Lehmkuehl,1 M. Abd El Rahman,1 H. Abdul-Khalig,1 R. Meyer,1 N. Hiemann,2 R. Hetzer,2 F. Berger,2 Congenital Heart Defects/Pediatric Cardiology, Deutsches Herzzentrum Berlin, Berlin, Germany; Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; Pathology, Deutsches Herzzentrum Berlin, Berlin, Germany

Mechanical Circulatory Support for Severe Primary Graft Dysfunction Following Pediatric Cardiac Transplantation; C.S. Almond,1 F. Fynn-Thompson,2 L.B. Smoot,1 J.M. Elder,1 E.D. Blume,1 J.E. Mayer,2 R.R. Thiagarajan,1 Cardiology, Children’s Hospital Boston, Boston, MA;2 Cardiac Surgery, Children’s Hospital Boston, Boston, MA

Long-Term Impact of Respiratory Viral Infection after Pediatric Lung Transplantation; M. Liu,1 S. Worley,1 G.B. Mallory, Jr.,1 M.G. Schecter,1 J. Roberston,1 O. Elediemir,1 L. Danziger-Isakov,1 Cleveland Clinic Cleveland Clinic Lerner College of Medicine, Cleveland, Cleveland;2 Baylor College of Medicine Texas Children’s Hospital, Houston

Immunohistochemical Evidence for Humoral Rejection Following Infant Lung Transplantation; T.L. Astor,1 M. Galantowicz,1 P. Baker,1 Lung and Heart-Lung Transplant Program, Nationwide Children’s Hospital, Columbus, OH

HLA Sensitization in Pediatric Pre-Transplant Cardiac Patients on Mechanical Assist Devices; J. Yang,1 C. Schall,2 D. Smith,2 L. Kreuser,2 M. Zumberlan,1 K. King,1 R. Gajarski,1 Pediatrics (Cardiology), University of Michigan, Ann Arbor, MI;1 Histocompatibility and Immunogenetics, University of Michigan, Ann Arbor, MI

Outcomes of Pediatric Heart Transplant Recipients Transitioned to Adult Transplant Centers; M.E. McBride,1 S.L. Moorhead,1 T. Boschert,1 G.A. Ewald,2 S.K. Gandhi,3 C.B. Huddleston,3 C.E. Canter,1 Department of Pediatrics, Washington University, Saint Louis, MO;2 Department of Internal Medicine, Washington University, Saint Louis, MO;3 Department of Surgery, Washington University, Saint Louis, MO

Serum Creatinine Is a Limited Indicator of Renal Function in Pediatric Heart Transplantation; B. Feingold,1 K.B. Schechtman,1 Y.M. Law,1 R.L. Spencer,2 T.M. Hoffman,1 R.K. Darrough,2 A. Asante-Korang,2 H. Finney,2 J. Zheng,1 P. Hmie1,2 C.E. Canter,11 Heart and Heart-Lung Transplantation, Children’s Hospital of Pittsburgh, Pittsburgh, PA;1 Division of Biostatistics, Washington University School of Medicine, St. Louis, MO;1 Pediatric Cardiology, University of Washington/Children’s Hospital and Regional Medical Center, Seattle, WA;1 Division of Cardiology, Cincinnati Children’s Hospital, Cincinnati, OH;1 Columbus Children’s Heart Center, The Ohio State University College of Medicine, Columbus, OH;1 Pediatric Cardiology, Riley Children’s Hospital, Indianapolis, IN;1 Pediatric Cardiology, University of South Florida/All Children’s Hospital, St. Petersburg, FL;1 Clinical Biochemistry, Royal London Hospital, London, United Kingdom;1 Pediatrics, Washington University School of Medicine, St. Louis, MO

Dilated Cardiomyopathy and Listing for Heart Transplantation: A Multi-Institutional Study; R. Kirk,1 D. Nafiel,2 T. Hoffman,3 C. Almond,4 G. Boyle,5 R.L. Caldwell,6 J.K. Kirklin,7 J. Flett,7 A.I. Dipchand,7 Freeman Hospital, Newcastle upon Tyne, United Kingdom; University of Alabama at Birmingham, Birmingham;1 Nationwide Children’s Hospital, Columbus;1 Children’s Hospital, Boston;1 Cleveland Clinic, Cleveland;1 Riley Hospital for Children, Indianapolis; Hospital for Sick Children, Toronto, Canada

Prognostic Value of Serial Measurements of NT-proBNP in Children with Heart Failure; P. Rusconi,1 D.D. Kinnamon,1 C. Rasnasamy,1 S.E. Lipshultz,1 Pediatrics, Leonard M. Miller School of Medicine, University of Miami, Miami, FL

(493) The Failed Pediatric Cardiac Allograft: Clinical and Pathologic Features; G.S. Perens,1 S. Meier,1 R. Kaur,1 F. Li,2 M.C. Fishbein,21 Pediatrics, Mattel Children's Hospital at UCLA Medical Center, Los Angeles, CA;1 Department of Pathology, UCLA Medical Center, Los Angeles, CA

(494) Cardiac Transplantation for the Failing Fontan Circulation; P. Botha,1 M. Chaudhari,2 N. Wrightson,1 G. Parry,1 M. Griselli,1 L. Hamilton,1 J.H. Dark,1 A. Hasan,11 Department of Cardiopulmonary Transplantation, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom;2 Department of Paediatric Cardiology, Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

(495) Predictors of Acute Right Heart Failure after Pediatric Cardiac Transplant and Long Term Outcome; A. Hoskote, C. Carter, P. Rees, M. Burch, K. Brown1 Cardiothoracic Unit, Great Ormond Street Hospital NHS Trust, London, United Kingdom

(496) Lung Transplantation in Infants, Toddlers, and Young Children; M.G. Schecter,1 G.B. Mallory,1 E.D. McKenzie,2 J.S. Heinle,2 D.L. Morales,2 O. Elediemir,2 Pediatric Pulmonary Medicine, Baylor College of Medicine, Houston, TX;1 Congenital Heart Surgery, Baylor College of Medicine, Houston, TX

(497) The Non-Invasive Doppler Derived Tei-Index May Differentiate between Patients with and without Coronary Allograft Vasculopathy (CAV) in Pediatric Heart Transplant Recipients; S. Schubert,1 H.B. Lehmkuehl,1 M. Abd El Rahman,1 H. Abdul-Khalig,1 R. Meyer,1 N. Hiemann,2 R. Hetzer,2 F. Berger,2 Congenital Heart Defects/Pediatric Cardiology, Deutsches Herzzentrum Berlin, Berlin, Germany; Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; Pathology, Deutsches Herzzentrum Berlin, Berlin, Germany

(498) Mechanical Circulatory Support for Severe Primary Graft Dysfunction Following Pediatric Cardiac Transplantation; C.S. Almond,1 F. Fynn-Thompson,2 L.B. Smoot,1 J.M. Elder,1 E.D. Blume,1 J.E. Mayer,2 R.R. Thiagarajan,1 Cardiology, Children’s Hospital Boston, Boston, MA;2 Cardiac Surgery, Children’s Hospital Boston, Boston, MA

(499) Long-Term Impact of Respiratory Viral Infection after Pediatric Lung Transplantation; M. Liu,1 S. Worley,1 G.B. Mallory, Jr.,1 M.G. Schecter,1 J. Roberston,1 O. Elediemir,1 L. Danziger-Isakov,1 Cardiology, Children’s Hospital Boston, Boston, MA;1 Cardiac Surgery, Children’s Hospital Boston, Boston, MA

(500) Immunohistochemical Evidence for Humoral Rejection Following Infant Lung Transplantation; T.L. Astor,1 M. Galantowicz,1 P. Baker,1 Lung and Heart-Lung Transplant Program, Nationwide Children’s Hospital, Columbus, OH

(501) HLA Sensitization in Pediatric Pre-Transplant Cardiac Patients on Mechanical Assist Devices; J. Yang,1 C. Schall,2 D. Smith,2 L. Kreuser,2 M. Zumberlan,1 K. King,1 R. Gajarski,1 Pediatrics (Cardiology), University of Michigan, Ann Arbor, MI;1 Histocompatibility and Immunogenetics, University of Michigan, Ann Arbor, MI

(502) Outcomes of Pediatric Heart Transplant Recipients Transitioned to Adult Transplant Centers; M.E. McBride,1 S.L. Moorhead,1 T. Boschert,1 G.A. Ewald,2 S.K. Gandhi,3 C.B. Huddleston,3 C.E. Canter,1 Department of Pediatrics, Washington University, Saint Louis, MO;2 Department of Internal Medicine, Washington University, Saint Louis, MO;3 Department of Surgery, Washington University, Saint Louis, MO

(503) Serum Creatinine Is a Limited Indicator of Renal Function in Pediatric Heart Transplantation; B. Feingold,1 K.B. Schechtman,1 Y.M. Law,1 R.L. Spencer,2 T.M. Hoffman,1 R.K. Darrough,2 A. Asante-Korang,2 H. Finney,2 J. Zheng,1 P. Hmie1,2 C.E. Canter,11 Heart and Heart-Lung Transplantation, Children’s Hospital of Pittsburgh, Pittsburgh, PA;1 Division of Biostatistics, Washington University School of Medicine, St. Louis, MO;1 Pediatric Cardiology, University of Washington/Children’s Hospital and Regional Medical Center, Seattle, WA;1 Division of Cardiology, Cincinnati Children’s Hospital, Cincinnati, OH;1 Columbus Children’s Heart Center, The Ohio State University College of Medicine, Columbus, OH;1 Pediatric Cardiology, Riley Children’s Hospital, Indianapolis, IN;1 Pediatric Cardiology, University of South Florida/All Children’s Hospital, St. Petersburg, FL;1 Clinical Biochemistry, Royal London Hospital, London, United Kingdom;1 Pediatrics, Washington University School of Medicine, St. Louis, MO

(504) Dilated Cardiomyopathy and Listing for Heart Transplantation: A Multi-Institutional Study; R. Kirk,1 D. Nafiel,2 T. Hoffman,3 C. Almond,4 G. Boyle,5 R.L. Caldwell,6 J.K. Kirklin,7 J. Flett,7 A.I. Dipchand,7 Freeman Hospital, Newcastle upon Tyne, United Kingdom; University of Alabama at Birmingham, Birmingham;1 Nationwide Children’s Hospital, Columbus;1 Children’s Hospital, Boston;1 Cleveland Clinic, Cleveland;1 Riley Hospital for Children, Indianapolis;1 Hospital for Sick Children, Toronto, Canada

(505) Prognostic Value of Serial Measurements of NT-proBNP in Children with Heart Failure; P. Rusconi,1 D.D. Kinnamon,1 C. Rasnasamy,1 S.E. Lipshultz,1 Pediatrics, Leonard M. Miller School of Medicine, University of Miami, Miami, FL
Comparison of Impedance Cardiography to Thermodilution Cardiac Output Determination in Pediatric Heart Transplant Patients; B.B. Das, S. Doyle, L. Baker, C. Smith, M. Recto, Division of Pediatric Cardiology, Koehler Children Hospital, University of Louisville, Louisville, KY

Low Cyclex™ Immune Response Associated with Increased Risk of Infection in Pediatric Heart Transplants; A.P. Barnes, S.M. Daneman, K.J. Guleserian, W.S. Ring, Pediatrics, UT Southwestern/Childrens Medical Center, Dallas, TX; Cardiothoracic Surgery, UT Southwestern/Childrens Medical Center, Dallas, TX

Heart Transplantation for Failed Fontan Circulation; F. Fynn-Thompson, C.S. Almond, H. Bastardi, K. Gaudean, T.P. Singh, L.B. Snuot, E. Bacha, F. Pigula, J.E. Mayer, P. del Nido, E.D. Blume, Cardiac Surgery, Children's Hospital Boston, Boston, MA; Cardiology, Children's Hospital Boston, Boston, MA

Ebstein-Barr and ParvoB19 Viruses Are Risk Factors for Late Onset Microvasculopathy after Heart Transplantation; N.E. Hiemann, K. Klingel, E. Welnhofer, S. Dreyssse, H.B. Lehmkuhl, C. Knosalla, R. Kandolf, R. Hetzer, R. Meyer, Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; Department of Molecular Pathology, University Hospital of Tuebingen, Tuebingen, Germany; Department of Cardiology, Deutsches Herzzentrum Berlin, Berlin, Germany

Potential Effect of Grouping Grades 1B with 1A in the Revised ISHLT Cardiac Biopsy Grading System; A.N. Bilolikar, T.M. Koelling, K.D. Aaronson, D.B.S. Dyke, D. Gordon, J.C. Matthews, S.L. Hummel, A.H. Wu, Cardiovascular Medicine, University of Michigan, Ann Arbor, MI

6:15 PM - 7:15 PM
RESIDENT/FELLOW COUNCIL MEETING (Room 300)

8:00 PM – 10:00 PM
GALA RECEPTION (Boston Public Library)

SATURDAY, APRIL, 2008

6:30 AM – NOON
Slide Ready Room Open (Room 301)

7:30 AM – 10:00 AM
Registration Open (Boyolston Hallway 3rd Floor)

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 11: Mechanical Circulatory Support for the “Crash and Burn” Patient (Rooms 304-306)

Chairs: Tom MacGillivray, MD and Maryl Johnson, MD

7:00 AM Surgical Options for Acute Rescue, Nicholas G. Smedira, MD, Cleveland Clinic Foundation, Cleveland, OH

7:10 AM Salvage from a Cardiologist’s Viewpoint, Reynolds M. Delgado, MD, Texas Heart Institute, Houston, TX

7:20 AM Bridge to Bridge Strategies, Pascal Leprince, MD, La Pitie Salpetriere, Paris, France

7:30 AM Case presentations

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 12: Bronchiolitis Obliterans Syndrome (Room 312)

Chairs: Scott M. Palmer, MD and Allan R. Glanville, MD, FRACP

7:00 AM What is BOS in the 21st Century? Geert M. Verleden, MD, PhD, University Hospital Gasthuisberg, Leuven, Belgium

7:30 AM Evidence Basis for Treatment Approaches, Gregory I. Snell, FRACP, MBBS, Alfred Hospital, Prahran, Australia

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 13: Cardiac Transplantation: How to Treat the Sensitized Transplant Candidate (Room 302)
Chair: Donna M. Mancini, MD

Case Presentations
Mark W. Weston, MD, LifeLink Transplantation Institute, Tampa, FL
Gareth Parry, MB, FRCP, Freeman Hospital, Newcastle, United Kingdom
Manfred Hummel, MD, PhD, German Heart Institute, Berlin, Germany
Jignesh K. Patel, MD, PhD, UCLA, Los Angeles, CA

7:00 am – 8:00 am
SUNRISE SYMPOSIUM 14: Regulatory T-Cells in Thoracic Transplantation (Room 311)
Chairs: Thomas J. Dengler, MD and Satish N. Nadig, MD

7:00 AM How Best to Detect and Quantify Regulatory T-cells, James F. George, PhD, University of Alabama at Birmingham, AL

7:15 AM The Nature and Significance of T-regs in Patients, Carla C. Baan, PhD, Erasmus MC, Rotterdam, The Netherlands

7:30 AM Experimental Models Exploring Regulatory T-cells in Vascularized Models, Thomas D. Wekerle, MD, University of Vienna, Austria

7:45 AM Discussion

7:00 AM – 8:00 AM
SUNRISE SYMPOSIUM 15: Post Transplant Lymphoproliferative Disorders (Room 310)
Chairs: Mariell Jessup, MD and Richard Kirk, MD

7:00 AM How to Diagnose PTLD, Marian G. Michaels, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA

7:20 AM Immunomodulation, Eric Verschuuren, MD, University Medical Centre, Gronginen, The Netherlands

7:40 AM Antiviral Therapy and Chemotherapy, Thomas R. Spitzer, MD, Massachusetts General Hospital, Boston, MA

8:15 AM – 10:15 AM
PLENARY SESSION (Ballrooms A-C)
Chairs: Mandeep R. Mehra, MD and Randall C. Starling, MD, MPH

8:15 AM Awards Presentations, Mark L. Barr, MD, University of Southern California, Los Angeles, CA

8:25 AM Strategic Planning Report, Paul A. Corris, MB, FRCP, ISHLT President

8:35 AM INTERMACS Update, James K. Kirklin, MD, University of Alabama at Birmingham, AL

8:45 AM Invited Lecture: Evolving Support Systems for the Failing Lung, Martin Strueber, MD, Hannover Medical School, Hannover, Germany

9:05 AM (511) Featured Abstract: Selection of UNOS Status 1A Candidates for Mechanical Circulatory Support as Bridge-to-Transplantation (BTT) – Analysis of UNOS OPTN 2000-2006; K. Lietz,1 M. Deng,1 J. Morgan,1 Y. Naka,1 D. Mancini,1 Departments of Cardiology and Cardiothoracic Surgery, Columbia-Presbyterian Medical Center, New York, NY

9:20 AM Invited Lecture: Evolving Mechanical Circulatory Support Technologies, George Wieselthaler, MD, University of Vienna, Vienna, Austria

9:40 AM (512) Featured Abstract: Predictors of Death and Transplant in Patients with a Mechanical Circulatory Support Device: A Multi-Institutional Study; W.L. Holman,1 R.L. Kormos,2 M.A. Miller,1 F.D. Pagani,1 E. Blume,1 T. Cleaton,1 S.C. Koenig,1 D.C. Nafiel,1 J.K. Kirklin,1 L. Edwards,1 University of Alabama at Birmingham, Birmingham, AL; University of Pittsburgh, Pittsburgh, PA; National Heart Lung and Blood Institute, Rockville, MD; University of Michigan, Ann Arbor, MI; Childrens Hospital Boston, Boston, MA; Shands Hospital/University of Florida,
9:55 AM Invited Lecture: Approach to Coagulopathy and Bleeding with VADs, Catherine Manno, MD, Children’s Hospital of Pennsylvania, Philadelphia, PA

10:15 AM – 10:30 AM
Coffee Break (Boylston Hallway 3rd Floor)

10:30 AM - NOON
CONCURRENT SESSION 41: Revelations about Rotary Pumps (Ballrooms A-C)

Chairs: Roland Hetzer, MD, PhD and Randall C. Starling, MD, MPH

10:30 AM (513) One Year Followup with a Continuous Flow LVAD as a Bridge to Heart Transplantation; J.V. Conte,1 L.W. Miller,2 F.D. Pagani,1 S.D. Russell,1 K.D. Aaronson,4 R. John,2 A.J. Boyle,2 Y. Naka,4 D. Mancini,5 R.M. Delgado,6 T.E. MacGillivray,2 D.J. Farrar,6 O.H. Frazier,6 J. Johns Hopkins Hospital, Baltimore, MD; 2Georgetown University, Washington, DC; 3University of Michigan, Ann Arbor, MI; 4University of Minnesota, Minneapolis, MN; 5Columbia University, New York, NY; 6Texas Heart Institute, Houston, TX; 7Massachusetts General Hospital, Boston, MA; 8Thoratec Corporation, Pleasanton, CA

10:45 AM (514) Long-Term Circulatory Support with the DuraHeart™ Mag-Lev Centrifugal Left Ventricular Assist System for Advanced Heart Failure Patients Eligible to Transplantation: European Experiences; C. Nojiri, O. Fey, F. Jaschke, A. Medevenve, D. Manju Terumo Heart, Inc., Ann Arbor, MI

11:00 AM (515) Experience with the Novel Heartware HVAD with Hydromagnetically Levitated Rotor in a Multinstitutional Trial; G.M. Wieselthaler, M. Stroeher, G.A. O’Driscoll, P. Jansz, A. Khaghani 1Dept. of Cardiothoracic Surgery, Medical University of Vienna, Vienna, Austria; 2Division of Thoracic and Cardiovasc. Surgery, Hannover Medical Center, Hannover, Germany; 3Royal Perth Hospital, Perth, Australia; 4St. Vincent’s Hospital, Darlinghurst, NSW, Australia; 5Harefield Hospital, Harefield, United Kingdom

11:15 AM (516) Intermediate Term Effects of Continuous Flow Mechanical Circulatory Support on Right Ventricular Function; A.S. Leet,1 A. Ross,2 D.S. Esmore,1 D.M. Kaye,1 1Heart Failure and Transplant Unit, The Alfred Hospital, Melbourne, Victoria, Australia; 2Wynn Department of Cardiology, Baker Heart Institute, Melbourne, Victoria, Australia

11:30 AM (517) Japanese Clinical Trial Results of an Implantable Centrifugal Blood Pump “EVAHEART”; K. Yamaizaki, S. Saito, T. Nishimura, H. Kurosawa, T. Nakatani, J. Kobayashi, S. Kitamura, G. Matsumiya, S. Yoshi, N. H. Nishimura, H. Nito, S. Kyo 1Cardiovascular Surgery, Tokyo Women’s Medical University, Shinjuku-ku, Tokyo, Japan; 2Cardiovascular Surgery, National Cardiovascular Center, Suita, Osaka, Japan; 3Cardiovascular Surgery, Osaka University, Suita, Osaka, Japan; 4Cardiovascular Surgery, Saitama Medical University, Moroyama Cho, Saitama, Japan; 5Cardiovascular Surgery, Tokyo University, Bunkyo ku, Tokyo, Japan

11:45 AM (518) The VentrAssist LVAD as a Bridge to Cardiac Transplantation: Results of the U.S. Feasibility Trial; A.J. Boyle,1 B.P. Griffith,2 D.D. Ascheim,3,4 Y. Naka,1 J.J. Teuteberg,5 E.D. Feller,2 L.D. Joyce,4 D.M. Mancini,3 R. John,2 J. Woodard,2 E. Moquete,2 K.N. Hong,4 M.K. Parides,3 A.J. Moskowitz,3 A.C. Gelijns,3 E.A. Rose,5 R.L. Kormos,10 Medicine, University of Minnesota, Minneapolis, MN; 2Surgery, University of Maryland, Baltimore, MD; 3Medicine, Columbia University, New York, NY; 4International Center for Health Outcomes and Innovation Research, Columbia University, New York, NY; 5Surgery, Columbia University, New York, NY; 6Medicine, University of Pittsburgh, Pittsburgh, PA; 7Medicine, University of Maryland, Baltimore, MD; 8Surgery, University of Minnesota, Minneapolis, MN; 9Ventracor Ltd. (Trial Sponsor), Sydney, NSW, Australia; 10Surgery, University of Pittsburgh, Pittsburgh, PA

10:30 AM - NOON
CONCURRENT SESSION 42: Percutaneous and Surgical Approaches to Cardiac Allograft Vasculopathy (Rooms 304-306)

Chairs: Michael Chan, MBBS, FRCPC and Marian Zembala, MD, PhD

10:30 AM (519) Correlates of Mortality and Major Events in Heart Transplant Recipients Treated by Coronary Stents for Transplant Vasculopathy; F. Beygui,1 S. Varnous,2 N. Bonnet,3 G. Montale scant,1 F. Fernandez,1 P. Leprince,1 A. Pavie,1 C. Aubailly,1 J.P. Metzger,1 T. Gandjbakhch,2 Cardiology, Pitié-Salpêtrière University Hospital, Paris, France; 2Cardiac Surgery, Pitié-Salpêtrière University Hospital, Paris, France
10:45 AM (520) Superior Results of Drug Eluting Stent (DES) Compared with Bare Metal Stent (BMS) Implantation in Heart Transplant Recipients with Coronary Artery Disease; M. Zakliczynski, M. Osuch, M. Swierad, M. Zembala, Silesian Center for Heart Disease, Zabrze, Poland

11:00 AM (521) Cardiac Allograft Vasculopathy: Is There a Role for Percutaneous Coronary Intervention? A Single Centre Experience; P. Colombo, G. Bruschi, P.L. Silva, A. Sacco, F. Turazza, M. Frigerio, A. De Gasperis, Cardiology and Cardiac Surgery Department, Niguarda Ca’ Granda Hospital, Milan, Italy

11:15 AM (522) Outcomes of Bare Metal Versus Drug Eluting Stents in Allograft Vasculopathy; P.R. Reddy, A. Gulati, J. Sinacore, A.L. Heroux, Cardiology, Loyola University Medical Center, Maywood, IL; Medicine, Loyola University Medical Center, Maywood, IL; Preventative Medicine and Epidemiology, Loyola University Medical Center, Maywood, IL

11:30 AM (523) Higher Rates of Co-Morbidities Post Cardiac Retransplantation Contribute to Decreased Survival; L. Tsao, B. Burke, Y. Naka, M. Farr, D. Mancini, Columbia University, New York, NY

11:45 AM (524) Improving Survival after Repeat Heart Transplantation; JC Mullen, MCY Chan, PS Lo, H Kanji, MJ Kearns, D Modry, J Burton, Y Coe, D Kim, L Lalonde, W Tymchak, University of Alberta Hospital, Edmonton, Alberta, Canada

11:45 AM (525) WITHDRAWN

10:30 AM - NOON

CONCURRENT SESSION 43: Markers and Mechanisms in Bronchiolitis Obliterans Syndrome (Room 312)

Chairs: Erik AM Verschuuren, MD, PhD and Antonio B. Roman, MD

10:30 AM (526) The Depletion of Resident/Non-Classical Monocytes Is Associated with a Rise in Circulating Dendritic Cells in Lung Transplant Recipients with Bronchiolitis Obliterans Syndrome; J.E. Fildes, K. Rogacev, A. Mitsidou, S. Patel, N. Yonan, C.T. Leonard, The Transplant Centre, University Hospital of South Manchester NHS Foundation Trust, Wythenshawe Hospital, Manchester, United Kingdom

10:45 AM (527) KIR Gene Content Recipient Associated with the Development of BOS after Lung Transplantation; J.M. Kwakkel-van Erp, E.A. van de Graaf, A.A.M. Paantjens, W.G.J. van Ginkel, G.D. Nossent, D.A. van Kessel, J.M.M. van den Bosch, H.G. Otten, Respiratory Medicine, University Medical Center Utrecht, Utrecht, Netherlands; Immunology, University Medical Center Utrecht, Utrecht, Netherlands; Respiratory Medicine, Antonius Hospital, Nieuwegein, Netherlands

11:00 AM (528) Evidence of Epithelial to Mesenchymal Transition Associated with Airway Remodelling after Experimental and Clinical Lung Transplantation; P.O. Mitchell, P.M. Naik, D.C. Neuhaus, S.D. Force, A.M. Ramirez, A.A. Gal, E.C. Lawrence, D.M. Guidot, A. Pelaez, Atlanta Veterans Affairs Medical Center, Decatur, GA; Pulmonary, Allergy and Critical Care Medicine, Emory University, Atlanta, GA; McKelvey Center for Lung Transplantation: Pulmonary Vascular Diseases, Emory University, Atlanta, GA; Division of Cardiothoracic Surgery, Emory University, Atlanta, GA; Department of Pathology and Laboratory Medicine, Emory University, Atlanta, GA

11:15 AM (529) Epithelial to Mesenchymal Transition (EMT) as an Indicator of Airway Wall Remodelling in Lung Transplant Patients; S. Hodge, M. Holmes, B. Banerjee, G. Waterer, P. Reynolds, G. Hodge, D.C. Chambers, Lung Research Laboratory, Hanson Institute, Adelaide, South Australia, Australia; South Australian Lung Transplant Service, Royal Adelaide Hospital, Adelaide, South Australia, Australia; Western Australian Lung Transplant Program, Royal Perth Hospital, Perth, Western Australia, Australia; Department of Respiratory Medicine, Royal Perth Hospital, Perth, Western Australia, Australia

11:30 AM (530) Microarray Based Measurement of Autoantibodies Identifies Early Development of BOS in Lung Transplant Patients; P.H. Hagedorn, C.M. Burton, D. Steinbrüchel, E. Sahar, H. Flyvbjerg, M. Iversen, Biosystems Department, Riso National Laboratory, Technical University of Denmark, Roskilde, Denmark; Division of Lung Transplantation, The Heart Centre, Rigshospitalet, Copenhagen University Hospital, Copenhagen, Denmark; ImmunArray Ltd., Rehovat, Israel

11:45 AM (531) Longitudinal Analysis of Exhaled Breath Condensate Biomarkers after Lung Transplantation; A. Krishnan, S. Chow, P.S. Thomas, A.R. Glanville, D.H. Yates, Thoracic Medicine and Lung Transplantation, St.Vincent’s Hospital, Sydney, NSW, Australia; Thoracic Medicine, University of New South Wales, Sydney, NSW, Australia
10:30 AM - NOON
CONCURRENT SESSION 44: Lung Donors: Clinical Innovations (Room 302)
Chairs: Joshua Sonett, MD and Jason D. Christie, MD


10:45 AM (533) Risk Factors for Death in High LAS Patients after Lung Transplantation; C.A. Merlo, J.B. Orens, A.S. Shah, Division of Pulmonary and Critical Care Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD; Cardiac Surgery, The Johns Hopkins University School of Medicine, Baltimore, MD

11:00 AM (534) Eliminating Local for Some or All Lung Candidates Would Reduce Deaths in Nearly All Geographic Regions in the US; S. Murray, J. Moore, A.M. Rodgers, T.H. Shearon, D.B. Dyke, R.M. Merion, SRTR, Arbor Research, Ann Arbor, MI

11:15 AM (535) Post-Mortem and Ex-Vivo Nitric Oxide (NO) Ventilation Reduces Ischemia-Reperfusion Injury (IRI) in Rat Lungs Transplanted from Non-Heart-Beating Donors (NHBDs); B. Dong, T. Egan, Division of Cardiothoracic Surgery, University of North Carolina at Chapel Hill, Chapel Hill, NC

11:30 AM (536) Despite Decreasing Wait Times for Lung Transplantation, Lung Allocation Score Continues to Increase; M.J. Russo, D. Sternberg, K.N. Hong, A.J. Moskosz, A.C. Gelijns, D.J. Lederer, W.R. Morrow, C.E. Canter, Surgery, Children Houston Children's Hospital, University of Alabama at Birmingham, Birmingham, AL; Medicine, Columbia University, New York, NY; International Center for Health Outcomes and Innovation, Columbia University, New York, NY; Medicine, Columbia University, New York, NY

11:45 AM (537) Lung Physiology during ECMO Resuscitation of DCD Donors Followed by In-Vivo Assessment of Lung Function; J.L. Reoma, A. Rojas, E. Krause, N. Obeid, N. LaFayette, K. Cooke, J. Punch, R.H. Bartlett, Surgery, University of Michigan ECMO Lab, Ann Arbor, MI

10:30 AM - NOON
CONCURRENT SESSION 45: Outcomes and Obstacles to Survival in Pediatric Heart Transplant (Room 311)
Chairs: Timothy M. Hoffman, MD and Francesco Parisi, MD

10:30 AM (538) Pediatric Heart Transplantation: 14 Years of Improving Results Illustrated by Patient Specific Predictions; D.C. Naftel, J.K. Kirklin, D.T. Hsu, E.D. Blume, S.A. Webber, W.R. Morrow, C.E. Canter, University of Alabama at Birmingham, Birmingham, AL; Columbia University, New York, NY; Boston Children's Hospital, Boston, MA; Children's Hospital of Pittsburgh, Pittsburgh, PA; Arkansas Children's Hospital, Little Rock, AR; St. Louis Children's Hospital, St. Louis, MO

10:45 AM (539) Outcomes of Pediatric Patients with Hypertrophic Cardiomyopathy Listed for Transplant; R. Gajarski, D. Naftel, E. Pahl, J. Alejos, B. Pearce, J. Kirklin, M. Zamberlan, A. Dipchand, Pediatrics (Cardiology), C.S. Mott Children's Hospital, University of Michigan, Ann Arbor, MI; Pediatrics (Cardiology), Mattel Children's Hospital, UCLA Medical Center, Los Angeles, CA; Pediatrics (Cardiology), Children's Memorial Hospital, Northwestern University, Chicago, IL; Cardiothoracic Surgery, University of Alabama at Birmingham, Birmingham, AL; Pediatrics (Cardiology), Hospital for Sick Children, Toronto, ON, Canada; Pediatrics (Cardiology), University of Alabama at Birmingham, Birmingham, AL

11:00 AM (540) The Effect of Prolonged Donor Ischemic Time on Long-Term Outcome in Pediatric Heart Transplant Recipients; M.A. Kohn, D.D. Deming, R.E. Chinnock, S.L. Robie, L.L. Bailey, Loma Linda University Children's Hospital and Medical Center, Loma Linda, CA

11:15 AM (541) Association of Left Ventricular Dilation at Listing for Heart Transplant with Post-Listing and Early Post-Transplant Survival in Pediatric Dilated Cardiomyopathy; T.P. Singh, L.A. Sleeper, S. Lipshultz, A. Cinar, C. Canter, S.A. Webber, D. Bernstein, E. Pahl, J. Alvarez, J.A. Towbin, S.A. Colan, Cardiology, Children's Hospital Boston, Boston, MA; New England Research Institute, Watertown, MA; University of Miami School of Medicine, Miami, FL; Washington University, St. Louis, MO; Children's Hospital of Pittsburgh, Pittsburgh, PA; Stanford University, Palo Alto, CA; Children's Memorial Hospital, Chicago, IL; Texas Children's Hospital, Houston, TX

11:30 AM (542) Simultaneous Heart-Kidney Transplantation in Children – Are the Outcomes as Bad as We Think: An Analysis of the United Network for Organ Sharing Database; R.R. Davies, M.J. Russo, S. Mital, A.C. Gelijns, A.J. Moskosz, R.A. Sorabella, R.S. Mosca, J.M. Quaheuer, J.M. Chen, Cardiothoracic Surgery, Children's...

10:30 AM - NOON
CONCURRENT SESSION 46: Innate and Autoimmunity in Thoracic Transplantation (Room 310)

10:30 AM (544) Dual Signaling of MyD88 and Trif Are Critical for DC Maturation and Priming of Alloimmunity in Response to LPS Activation; **H. Shen**,1 *B.M. Tesar*,1 *D.R. Goldstein*,1 *Internal Medicine, Yale University School of Medicine, New Haven, CT*


11:00 AM (546) The Contribution of Toll-Like Receptors (TLR) to Brain Death-Induced Donor Lung Inflammation; **A.J. Rostron**,1 *V.S. Avlonitis*,1 *D.M.W. Cork*,1 *J.H. Dark*,1 *A. Kirby*1 *Applied Immunology and Transplant Research Group, Newcastle University, Newcastle upon Tyne, Tyne and Wear, United Kingdom*


11:45 AM (549) The Role of TLR2 in Pulmonary Endothelial and Epithelial Cells in Lung Ischemia Reperfusion Injury; **P.S. Wolf**,1 *H.E. Merry*,1 *J. Keech*,1 *M.S. Mulligan*,1 *Cardiothoracic Surgery, University of Washington, Seattle, WA*

NOON – 1:00 PM
Scientific Council Reports (Room 312)

1:30 PM – 4:30 PM
ISHLT Board of Directors Meeting (Marriott Copley Place Hotel, Wellesley Room)
Exhibit Hall Floor Plan
## Exhibiting Companies

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Exhibitors and Product Descriptions

**Abiomed**  
22 Cherry Hill Drive  
Danvers, MA  01923  
Website: [www.abiomed.com](http://www.abiomed.com)  
Booth Number:  402

ABIOMED develops, manufactures and markets cardiac assist and recovery devices. Products include: the BVS®5000, the AB5000™, Impella® Circulatory Support Systems, iPulse™, and the AbioCor®, the world’s first fully implantable artificial heart.

**ALSIUS Corporation**  
15770 Laguna Canyon Road  
Suite 150  
Irvine, CA  92618  
Website: [www.alsius.com](http://www.alsius.com)  
Booth Number:  123

ALSIUS is the worldwide leader in providing catheter-based intravascular patient temperature management for critically ill patients. The ALSIUS system and catheters deliver precise core patient cooling or warming therapy in an easy-to-use and cost-effective system to achieve and maintain desired patient temperature.

**Argon Medical Devices, Inc.**  
1445 Flat Creek Road  
Athens, TX  75751  
Website: [www.argonmedical.com](http://www.argonmedical.com)  
Booth Number:  121

Argon Medical Devices, Inc. manufacturer of “Jawz” Endomyocardial Biopsy Forceps along with other vascular access devices including introducers, guide wires and thermal dilution catheters. Argon offers customized solutions for cardiovascular transplant kits.

Complete product offering: Endomyocardial Biopsy Forceps, introducers, dilators, guide wires, arterial needles, transducers, manifolds, invasive blood pressure monitoring, syringes and drapes.

**Astellas Pharma US, Inc.**  
3 Parkway North  
Deerfield, Illinois  60015  
Website: [www.us.astellas.com](http://www.us.astellas.com)  
Email: Booth Number:  422

Astellas Pharma, Inc. manufactures and markets proprietary pharmaceutical products in specialty therapeutic areas where there is an unmet medical need. Astellas Pharma’s global mission to explore the frontiers of human health underscores the company's commitment to the field of immunology, where aggressive research and development initiatives have helped to put Astellas at the forefront of transplantation.

**Berlin Heart**  
Wiesenweg 10  
Berlin  12247 Germany
As the only company worldwide we cover all areas of ventricular assist device application and CHF patients of every size and age with the partly implantable INCOR® and the paracorporeal EXCOR®.

EXCOR® is a paracorporeal pulsatile VAD for uni- or biventricular support in newborns, children, adolescents, and adults.

INCOR® is an implantable axial-flow VAD for left ventricular support in adults. INCOR® is the only 3rd generation axial flow pump with CE-mark approval.

INCOR® is not FDA approved. EXCOR® is approved for clinical investigation in pediatric patients in USA.

CardiacAssist, Inc.
240 Alpha Dr.
Pittsburgh, PA 15238
Website: www.tandemheart.com
Booth Number: 106

CardiacAssist, Inc. develops, manufactures, and markets cardiac assist devices. The TandemHeart System provides extracorporeal circulatory support through a cardiac catheterization procedure in as little as 30 minutes and can provide up to five liters per minute (lpm) of blood flow and can be used either in the cardiac cath lab or the operating room. The TandemHeart is FDA approved and fully reimbursed by Medicare under existing DRG codes.

Circulite, Inc.
401 Hackensack Ave, 9th Floor
Hackensack, NJ 07601
Website: www.circulite.net
Booth Number: 107

Circulite is developing a miniature blood pump, designed to be placed superficially like a pacemaker, for the long-term treatment of chronic heart failure. The Synergy™ Pocket Circulatory Assist device is designed to rest a failing heart by supplementing its natural function. By providing long-term circulatory assist on a minimally invasive platform, CircuLite’s Synergy™ has the potential to transform the management of chronic heart failure and improve the quality of life for millions of patients and their families. CircuLite is currently enrolling patients in a long-term support CE Mark trial in Europe and will submit for an IDE approval in 2008.

Cylex, Inc.
8980-I Old Annapolis Road
Columbia, MD 21045
Website: www.cylex.net
Booth Number: 223

Cylex® manufactures the only FDA-cleared assay measuring the vitality of patients’ immune systems from a single drop of blood. ImmuKnow® enables physicians to better manage and individualize treatments for life-threatening diseases, such as HIV, HCV, cancer and autoimmune disorders, as well as solid organ and bone marrow transplantation.
Daxor Corporation
350 5th Ave, Ste. 7120
New York, NY 10118
Website: www.daxor.com
Booth Number: 102

Daxor Corporation is the manufacturer of the BVA-100® Blood Volume Analyzer, the first semi-automated instrument patented for direct measurement of blood volume, red cell volume and plasma volume. The system utilizes the Volumex® injection-collection kit for a multi-sample blood volume. Measurement of blood volume can be used in pre and post-surgical conditions as well as numerous medical conditions such as hypertension, congestive heart failure, blood transfusion therapy, anemia, orthostatic hypotension and syncope.

Elsevier, Inc.
1600 JFK Blvd
Suite 1800
Philadelphia, PA 19103
Website: www.elsevierhealth.com
Booth Number: 103

Elsevier is proud to publish the Journal of Heart and Lung Transplantation, the official journal of the International Society for Heart and Lung Transplantation. Please stop by our booth to view the latest issue of the journal and browse our other books and journals in the field of heart and lung transplantation.

Essential Pharmaceuticals
770 Newtown Yardley Road
Ste 212
Newtown, PA 18940
Website: www.essentialpharma.com
Booth Number: 117

Essential Pharmaceuticals, LLC. is a specialty pharmaceutical company devoted solely to the development and sale of branded pharmaceutical products in the transplant field including Custodiol® HTK organ preservation solution. Custodiol® HTK offers superior convenience due to its easy handling characteristics, water like viscosity and no need for additives or filters which makes it a preferred solution for many transplant centers. Please visit us at booth # 117 and at www.essentialpharma.com or www.custodiol.com

February Point
Cave Village at West Baystreet
Great Exuma
Nassau, Bahamas N-8727
Website: www.februarypoint.com
Booth Number: 101

February Point offers limited opportunities to invest in a TAX-FREE paradise on the island of Exuma, Bahamas. Physicians from around the world have chosen February Point to set up family trusts, offshore corporations, and earn a steady income stream from revenue generating properties.

Gilead Sciences, Inc.
Gilead Sciences is a biopharmaceutical company that discovers, develops and commercializes innovative therapeutics in areas of unmet medical need. The company’s mission is to advance the care of patients suffering from life-threatening diseases worldwide. Headquartered in Foster City, California, Gilead has operations in North America, Europe and Australia. Visit Gilead on the World Wide Web at www.gilead.com.

HeartWare Inc.
205 Newbury St.
Suite 101
Framingham, MA 01701
Website: www.heartware.com
Booth Number: 227

The HeartWare system is a miniature, full-output, heart pump designed to be implanted in the pericardial space. At the core of the HeartWare platform is the proprietary “wide-blade” impeller. The elimination of internal mechanical bearings is expected to lead to long term device reliability and potentially reduce the risk of damage to blood cells. HeartWare’s system is currently the subject of an international clinical trial involving five investigational centers. This device is an investigational device limited by federal (United States) law to investigational use.

Innovision, Inc.
1 Piedmont Center, Ste 400
3565 Piedmont Road, NE
Atlanta, GA 30305
Website: www.innovision.dk
Booth Number: 105

InnovoCor®. The device for applications in cardiology and cardiac transplant assessment using inert gas rebreathing; providing the technology to perform non-invasive measurement of cardiac output at rest and during exercise. The breath-by-breath (ergospirometry) option provides the possibility to do a combined exercise test with the full set of metabolic/hemodynamic data.

ISHLT Thoracic Registry
700 North 4th St
Richmond, VA 23219
Website: www.help@ishlt.org
Booth Number: 124

The International Registry for Heart and Lung Transplantation provides ongoing, current information on the worldwide thoracic organ transplantation experience. The data, utilized for scientific study, contributes to the body of knowledge regarding both heart and lung transplantation efforts throughout the world. Our goal is to identify overall best practices for improving cardiothoracic patient care.

This year the exhibit will make your center-specific information available for your review. In addition, members can view data screens from the ISHLT Registry and receive guidance on enrollment, training on submission of data and instructions for submitting special data requests.
Jarvik Heart, Inc.
333 West 52nd St
New York, NY 10019
Website: www.jarvikheart.com
Booth Number: 205

Jarvik Heart, Inc. is a privately held, New York based company that develops and manufactures miniaturized heart assist devices for the treatment of severe heart failure. The Jarvik 2000 is a battery-powered axial-flow left ventricular assist device (LVAD). It is the smallest implantable blood pump available for the long-term treatment of Heart Failure.

Levitronix
45 First Ave
Waltham, MA 02451
Website: www.levitronix.com
Booth Number: 119

Levitronix designed, developed, and produces the CentriMag and PediVAS Ventricular Assist Systems. The CentriMag is designed to provide temporary mechanical circulatory support. In the United States, the CentriMag is undergoing clinical trials to treat patients in cardiogenic shock, as a bridge to decision for up to 14 days, and also to treat patients who have had a commercial LVAS implanted and require right ventricular support. The PediVAS is optimized to provide circulatory support for neonatal and pediatric patients. Both systems are CE Mark approved for use for up to 30 days. The PediVAS is only available outside the United States.

MicroMed Cardiovascular, Inc.
8965 Interchange Dr.
Houston, TX 77054
Website: www.micromedtech.com
Booth Number: 115

The DeBakey VAD® is a miniaturized ventricular assist device (VAD) jointly developed by famed heart surgeon Dr. Michael E. DeBakey, Dr. George Noon, and the National Aeronautics and Space Administration (NASA). The DeBakey VAD® is an implantable axial flow device designed to provide long term support and improve quality of life for patients who suffer from severe heart failure. It’s the only device that provides an accurate, real-time flow measurement which enhances patient management. It is CE-mark approved in Europe, undergoing an IDE BTT clinical study in the U.S. and is the only FDA approved pediatric ventricular assist device.

Microsurgery Instruments, Inc.
7211 Regency Square Blvd Ste. # 223
Houston TX, 77036
Website: www.microsurgeryusa.com
Booth Number: 128

Microsurgery Instruments, Inc. is one of the leading suppliers of microsurgical equipment in the United States, and is well known in a number of surgical fields. Apart from our high-quality loupes, we supply super-cut scissors, titanium needle-holders, titanium forceps, vascular clamps, light sources, sutures, microscopes and other instruments.

Novartis Pharma AG
Novartis has been a leader in the transplant area for more than 20 years, having pioneered early breakthrough treatments for organ protection with Neoral® and Sandimmune. Novartis markets the broadest immunosuppressant portfolio in the industry with three products (Neoral, myfortic®, and Simulect®) available throughout the world and the fourth product, Certican®, available in more than 60 countries outside of the US. Certican currently has an approvable status with the US Food and Drug Administration (FDA). Novartis continues to invest in the in-house research and development of new compounds. The company’s goal is to build an innovative portfolio of therapeutic products for the prevention of organ rejection to provide a number of treatment options to the transplant community.

Quality Assured Services
70 S. Keller Road
Orlando, FL 32810
Website: www.qualityassuredservices.com
Booth Number: 201

QAS provides easy-to-use medical diagnostic devices and consumables for use in the physician’s office or patient’s home (in contrast to a remote laboratory site). This is not a simple shift in location, but rather a positive change in the end user’s experience.

The caring and dedicated team at QAS offers medical testing products, telemedicine support, medical insurance adjudication, specialized patient management software, disease management programs, educational websites, training, and 24-hour customer support.

Roche
340 Kingsland St
Nutley, NJ 07110
Website: www.rocheusa.com or www.roche.us
Booth Number: 302

Roche is a leading, global innovator of pharmaceuticals and diagnostics dedicated to enhancing people’s health and quality of life. Our people are engaged in the discovery, development, manufacturing and marketing of prescription medicines in a wide variety of therapeutic areas, including cancer, HIV/AIDS, hepatitis C, transplantation, influenza and osteoporosis. We invite you to visit our booth #302 to learn more about CellCept and Valcyte. www.rocheuse.com or www.rocheus.com.

Scanlan International, Inc.
One Scanlan Plaza
Saint Paul, MN 55107
Website: www.scanlangroup.com
Booth Number: 227

Highest quality surgical products designed and manufactured by the Scanlan family since 1921. Over 3,000 designs in stainless steel and titanium instrumentation featuring needle holders, forceps, scissors, clamps, and specialty instruments. New instruments include the SCANLAN® LEGACY titanium forceps and VATS/MICS minimally invasive instruments. Offering a wide variety of custom instrument modification to meet your individual needs. Single-use products include: VASCU-STATT® bulldog.

**SynCardia Systems, Inc.**
1992 E. Silverlake  
Tucson, AZ  85713  
Website:  [www.syncardia.com](http://www.syncardia.com)  
Booth Number:  111

The CardioWest™ temporary Total Artificial Heart (TAH-t) is the only FDA, Health Canada and CE approved device that provides circulatory restoration in morbidly ill patients with irreversible bi-ventricular failure, providing a life-saving bridge until a donor human heart becomes available. In 2006, the EXCOR® TAH-t mobile was granted a CE mark, enabling European hospitals to discharge stable patients on the TAH-t to return home while they are awaiting a transplant. At ISHLT, we will provide information about our upcoming clinical trial of the Companion driver, designed for use in the operating room, hospital room and at home.

**Synthes CMF**
1301 Goshen Parkway  
West Chester, Pennsylvania 19380  
Website:  [www.synthes.com](http://www.synthes.com)  
Booth Number:  203

Synthes CMF develops, produces and markets instruments and implants for the surgical reconstruction of the human skeleton and soft tissues. Our product offering includes systems for primary or secondary closure and repair of the sternum following sternotomy or fracture to stabilize the sternum and promote healing.

**Terumo Heart, Inc.**
6180 Jackson Road  
Ann Arbor, MI  48103  
Website:  [www.terumoheart.com](http://www.terumoheart.com)  
Booth Number:  128

Terumo Heart, Inc is dedicated to the innovation, introduction and advancement of products to improve the quality of healthcare of heart failure patients. Our principal focus is the development of the DuraHeart™ Left Ventricular Assist System (LVAS). The system is designed to provide long-term circulatory support and address the shortage of donor hearts for cardiac transplantation. Combining patented magnetic-levitation and centrifugal pump technologies, the DuraHeart LVAS is expected to decrease complications and improve the lives of patients with severe heart failure. The DuraHeart LVAS is not currently for sale in the United States pending clinical investigation.

**Thoratec Corporation**
6035 Stoneride Dr.  
Pleasanton, CA  94588  
Website:  [www.thoratec.com](http://www.thoratec.com)  
Booth Number:  219

Thoratec® Corporation innovates and delivers technologies that enable a full range of therapies to save, support and restore failing hearts, allowing patients to reclaim their lives. With over 11,000 patient implants
and three decades of experience, Thoratec offers the broadest portfolio of ventricular assist devices. Thoratec's product line includes the CentriMag® Acute Circulatory Support Device, HeartMate® LVAS, Thoratec PVAD™ and IVAD™, and the HeartMate II®, an investigational device in clinical trial.

TransMedics
200 Minuteman, Suite 302
Andover, MA  01810
Website:  www.transmiedics.com
Booth Number:   308

TransMedics is a medical technology company whose mission is to extend and expand the life saving benefits of organ transplantation. The Organ Care System™ (OCS) resuscitates and maintains human organs in a functioning state ex-vivo using warm, oxygenated, nutrient-enriched donor blood perfusion. This allows for continuous functional and metabolic assessment and results in a significant reduction of ischemia. The OCS is designed to deliver improved patient outcomes, increased utilization of donor organs, and more cost-effective transplants. OCS HEART is CE marked and available for sale in Europe. OCS LUNG is in advanced stages of development.

United Network for Organ Sharing (UNOS)
700 N. 4th St.
Richmond, VA  33219
Website:  www.unos.org
Booth Number: 125

UNOS is a 501 (c) 3 not-for-profit, scientific, educational and charitable Virginia membership corporation that manages the national Organ Procurement and Transplantation network. Responsibilities include: facilitating organ donation through research, education and advocacy; managing the U.S. organ transplant waiting list matching donors to recipients; maintaining a database that monitors U.S. transplant recipients; and, through private, charitable funding, working to increase organ availability and continuously improve the outcomes and quality of life of transplant candidates and recipients.

Ventracor Inc
101 Lincoln Centre
Suite 420
Foster City, CA  94404
Website:  www.ventracor.com
Booth Number:   120

Ventracor is a global medical device company which has developed a blood pump, the VentrAssist left ventricular assist device (LVAD) for patients in heart failure. Ventracor plans to bring to VentrAssist to the global market

ViroPharma, Incorporated
397 Eagleview Blvd
Exton, PA  19841
Website:  www.viropharma.com
Booth Number: 127

ViroPharma Incorporated is a pharmaceutical company focused on the development and commercialization of medicines to address serious diseases of unmet medical needs including infectious diseases, transplant medicine, and gastroenterology.
**Vital Engineering**  
330 Scaife Hall  
200 Lothrop St  
Pittsburgh, PA  15213  
Website:  www.vitalengineering.com  
Booth Number:   110

Vital Engineering provides training and educational programs for physicians and other health care providers as well as on-site training and technical support prior to, during and following device implantation. Vital Engineering has the knowledge and resources to improve patient care from surgery through discharge planning and outpatient care. Our clinical experience equips the artificial organ industry with the ultimate product quality improvement from emerging to experienced companies. Vital Engineering offers many partnership benefits to patients, clinicians, hospitals, and industry.

**Vitrolife**  
113 Buttercup Road  
Lake Ozark, MO  65049  
Website:  www.vitrolife.com  
Booth Number:   109

Vitrolife Transplantation Systems manufactures and markets solutions and equipment for transplantation and thoracic surgery, designed to preserve organs and tissues prior to transplantation. These two solutions are Perfadex for flushing of the lungs and Steen Solution for ex vivo evaluation (approved in US for research purposes only). Vitrolife aims to:  
- minimize ischemic reperfusion injuries by improving the solutions used for extra corporeal preservation of organs and tissues.  
- extend the safe extra corporeal preservation time for organs and tissues prior to transplantation.  
- increase the organ availability and transplantation success rates by introduction of new transplantation concepts and techniques

**Wiley-Blackwell**  
350 Main St  
Malden, MA 02148  
Website: www.wiley.com/wiley-blackwell  
Booth Number: 127

Wiley publishes an enormous range of top quality consumer, professional, educational and research material, from the well-known Frommer’s and ‘For Dummies’ guides, to college textbooks, highly ranked peer-reviewed primary research and evidence based medicine.

Wiley-Blackwell, the scientific, technical, medical and scholarly publishing business of John Wiley & Sons, publishes on behalf of more societies and membership associations than anybody else and offers libraries and individuals 1250 online journals, thousands of books in print and online, reviews, reference works, databases, and many other innovative resources for teaching and learning, including across the social sciences and humanities.

**XDx**  
3260 Bayshore Blvd  
Brisbane, CA  94005  
Website:  www.xdx.com
Founded in 2000, XDx is a molecular diagnostics company based in Brisbane, CA. Setting the stage for a new era in personalized medicine, XDx is one of the first companies to develop and commercialize practical applications built on insights from the Human Genome Project. The company has developed a proprietary new method, AlloMap® molecular expression testing, for noninvasively monitoring the immune system by measuring gene expression in a patient’s peripheral blood. The technology offers the potential to decrease healthcare costs and significantly improve the quality of life for patients with a variety of life-threatening or life-altering immune-mediated diseases.
FUTURE ISHLT MEETINGS

29th ISHLT ANNUAL MEETING AND SCIENTIFIC SESSIONS
April 22-25, 2009
Paris, France
Meridien Etoile
Concorde LaFayette and Palais des Congress

30th ISHLT ANNUAL MEETING AND SCIENTIFIC SESSIONS
April 21-24, 2010
Chicago, IL
Hilton Chicago
(outside back cover)

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