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International Society for Heart and Lung Transplantation
29th Annual Meeting and Scientific Sessions

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<tbody>
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<td>1981-1982</td>
<td>Michael Hess, MD</td>
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<td>1982-1984</td>
<td>Jack Copeland, MD</td>
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<td>1984-1986</td>
<td>Terence English, FRCS</td>
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<td>1986-1988</td>
<td>Stuart Jamieson, MD</td>
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<td>1988-1990</td>
<td>Bruno Reichart, MD</td>
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<td>1990-1991</td>
<td>Margaret Billingham, MD</td>
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<td>Christian Cabrol, MD</td>
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<td>1992-1993</td>
<td>John O’Connell, MD</td>
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<td>1993-1994</td>
<td>Eric Rose, MD</td>
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<td>1994-1995</td>
<td>John Wallwork, FRCS</td>
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<td>1995-1996</td>
<td>Sharon Hunt, MD</td>
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<td>1996-1997</td>
<td>William Baumgartner, MD</td>
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<td>1997-1998</td>
<td>Leslie Miller, MD</td>
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<td>1998-1999</td>
<td>Alan Menkis, MD, FRCS(C)</td>
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<td>1999-2000</td>
<td>Robert L. Kormos, MD</td>
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<td>2000-2001</td>
<td>Anne Keogh, MBBS, MD</td>
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<td>2001-2002</td>
<td>James B. Young, MD</td>
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<td>2002-2003</td>
<td>Stephan Schuler, MD</td>
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<td>2003-2004</td>
<td>Jon Kobashigawa, MD</td>
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<td>2004-2005</td>
<td>Alec Patterson, MD</td>
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<td>2005-2006</td>
<td>Mark L. Barr, MD</td>
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<td>2006-2007</td>
<td>Robert C. Robbins, MD</td>
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<td>2007-2008</td>
<td>Paul A. Corris, MB FRCP</td>
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John C. Baldwin, MD

1989 Munich, Germany
Bruno Reichart, MD

1990 San Diego, CA
D. Glenn Pennington, MD

1991 Paris, France
John B. O’Connell, MD

1992 San Diego, CA
Eric A. Rose, MD

1993 Boca Raton, FL
Maria Rosa Costanzo, MD

1994 Venice, Italy
John Wallwork, MBChB, FRCS

1995 San Francisco, CA
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1999 San Francisco, CA
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Jon Kobashigawa, MD

2001 Vancouver, Canada
David O. Taylor, MD

2002 Washington, DC
Robert C. Robbins, MD

2003 Vienna, Austria
Bruce R. Rosengard, MD

2004 San Francisco, CA
Mandeep Mehra, MD

2005 Philadelphia, PA
Shaf Keshavjee, MD

2006 Madrid, Spain
John Dark, MB, FRCS

2007 San Francisco, CA
Duane Davis, MD
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    Joel D. Cooper, MD
    Norman E. Shumway, MD

2008 Richard E. Lower, MD
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2004 Sir Magdi Yacoub, MD
1999 Keith Reemtsma, MD
1996 Norman Shumway, MD

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    Seiichiro Sugimoto, MD, PhD (supported by Roche)
2007 J. Raymond Fitzpatrick, III, MD (supported by Encysive)
    Howard J. Huang, MD (supported by Transmedics)
    Mylvaganam Jeyakanthan, MD (supported by XDx)
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    Takeshi Oyaizu, MD, PhD (supported by Actelion)
    Sonja Schreper, MD (supported by Astellas)
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    Zhaohui Li, PhD (supported by Transmedics)
    Heather E. Merry, MD (supported by Encysive)
    Edward N. Seung, PhD (supported by XDx)
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  Andrew F. Pierre, MD (supported by Ortho-Biotech)  
1995  Frances L. Johnson, MD (supported by Ortho-Biotech)  

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        Mi-Kyung Song, PhD  
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2005  Annemarie F. Kaan, MCN  
2004  Deidre E. Logan, PhD  
2003  Diane H. Leloudis, RN, MSN  
       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  

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2003  Sigrid Sandner, MD  
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1994  Jobst Winter, MD  
       Alain Chapelier, MD  
1993  David Marshman, MD  
1992  David P. Kapelanski, MD  
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1983 Robbin G. Cohen, MD

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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 2700 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 PARIS
Dubbed the City of Light, Paris is the most popular tourist destination in the world. World class restaurants, world class museums, world class shopping, endless entertainment, fascinating history, beautiful and charming neighborhoods, easy to get around on foot or by metro – Paris has it all. By day or by night, you can explore the city as you please. Nothing we can say here can replace what has already been written and said about Paris. Enjoy April in Paris!

HIGHLIGHTS OF THE SCIENTIFIC PROGRAM

Plenary Session Highlights
Several excellent Plenary Sessions have been organized, all of which are formatted to profile the best of the abstract submissions and invited lectures by experts on topics related to the abstracts. The plenary session themes include basic science and long term outcomes, mechanical support for the heart and lung, and important data from a variety of clinical trials. Of special note is the Pioneer Lecture that will be given by Christian Cabrol during the Opening Plenary Session. Dr. Cabrol performed the first heart transplant in Europe in 1968, performed the first heart lung transplant in Europe in 1982, and performed the first Jarvik total artificial heart implant in Europe in 1986. He was the President of ISHLT during the last ISHLT Annual Meeting in Paris in 1991.

Lunch Symposia Highlights
This year, ISHLT will again offer 3 lunch symposia. The first is oriented toward the treatment of nontraditional PH patients, the second will address coronary artery vasculopathy, and the third will address generics in transplantation. The CAV luncheon is designed as a complement to a CAV Diagnostic Grading Scale that ISHLT is developing. The generics in transplantation is designed as a complement to a white paper on the use of generics in transplantation that ISHLT is developing.

Lung Transplant Highlights
As a result of the enthusiasm and support of all members of the pulmonary council, Lung Transplantation will be very strongly represented in the program for the forthcoming meeting in Paris. There are 3 satellite symposia of specific relevance to pulmonary council members.

There is a symposium dedicated to furthering our understanding of immunomodulation strategies after lung transplantation, including both drug based and non-drug based approaches to immunosuppression. In addition the symposium will review evolving technologies for monitoring those on immunosuppression. A second symposium will focus on maximizing donor and candidate management prior to lung transplant. This will provide a state of the art review of key donor related issues including the role of new approaches to increased donor lung supply and optimize donor lung management. This symposium will culminate in a debate on the relative value of high urgency listing for lung transplant which promises to be lively. A third symposium is being held jointly with our colleagues from the Infectious Diseases council and will focus on the role of infection in the development and worsening of Bronchiolitis Obliterans Syndrome. The program will evaluate evidence
supporting the importance of non-alloimmune injury to the lung allograft due to infection and its consequences on graft function. In addition to our 3 symposia, there will be an impressive 7 concurrent oral sessions during the meeting covering a wide range of clinical, translational and basic science studies in lung transplantation. These sessions represent the very best contemporary work being performed in the lung transplant community at present. Finally there are 2 mini-oral sessions and numerous posters specific to lung transplant to complete what promises to be an excellent and very exciting program for ISHLT Paris 2009.

Clinical Heart Transplantation Highlights
There was a record number of abstracts submitted about clinical heart transplantation this year; the standard of the submissions was very high. We will be having 7 oral sessions covering clinical outcomes, immunosuppressive strategies including induction therapy, new perspectives in the diagnosis of cardiac rejection, the role of antibodies, long-term issues including CAV as well as specific clinical challenges. There will also be a whole mini-oral session devoted to heart transplantation. Among the pre-meeting satellite symposia, there will be a session devoted to the diagnosis and management of right ventricular failure both before and after transplantation and a session reviewing issues related to adult congenital heart disease and transplantation.

Infectious Disease Highlights
The infectious disease content of the meeting is focused on presentations and discussions balanced between clinical and basic scientific work in transplantation. How infection accelerates the pathway to rejection is explored using the BOS model and pseudomonas, respiratory viruses, and CMV, investigating the possibility of a common pathway. Advances in the understanding of CMV’s role at the cellular and molecular level will be presented in several elegant studies along with several new diagnostic and therapeutic strategies to control infection in the transplant and VAD patient. Clinical studies will present data on varied CMV prophylaxis strategies, unique viral pathogenesis and fungal activity pre- and post transplantation as well as impact of different immunosuppression agents on clinical outcome. Donor infection issues will be discussed.

Junior Faculty Highlights
The newly-formed Junior Faculty and Trainees Council (JFTC) would like to highlight some offerings at the ISHLT meeting for our younger members. To begin with, trainees should know that the ISHLT will be offering travel awards for between 10 and 25 attendees. Awardees must be residents or fellows in training, and applications will be available in early 2009. Our new council is hoping to grow, and an organizational meeting will be held in Paris of our group, where new workforce committee members will be selected, including a new chair-elect. The Junior Faculty Luncheon will be held once again: a forum for fellows to present their most challenging cases for comment by leaders in the field. We hope this will once again be fun for all involved. Some of the more interesting educational offerings will involve insight into how we might be practicing organ transplantation in the years to come with discussions of lung assist devices, engineered hearts, ex-vivo lung resuscitation, and calcineurin-inhibitor free immunosuppression. We look forward to all of this, as well as excellent reviews of immunosuppression, long-term survival, and donor management. Finally, don’t miss the presentation of the Philip K. Caves Award where the society recognizes the best abstract presented by a trainee.

Nursing and Social Science Highlights
The Nursing and Social Sciences Council will be very comprehensively and internationally represented at the ISHLT Meeting and Scientific Sessions in Paris, 2009. Our 2009 program has been designed, considering prior program evaluations from our council membership. Our exciting satellite symposium, “Hospital to Home: Life and Let Live” focuses on meeting the needs of our patients as they transition from hospital to home. Topics include discharge planning, caregiver burden, and management of VAD, heart transplant, and lung transplant patients in the community setting, as presented by our expert international clinicians. Oral, mini oral, and general poster sessions will address the topics of quality of life, social support, patient compliance, and more in both pediatric and adult populations who receive mechanical circulatory support devices or are recipients of heart or lung transplantation. These presentations will highlight the best research submitted this year by researchers from around the globe. Our sessions in Paris will provide you with the opportunity to consult with expert clinicians and researchers regarding your own clinical practice and research projects. We look forward to seeing you in Paris at this outstanding scientific meeting. Don’t forget to join us at our Council meeting. Paris is the perfect place to meet your Council leadership, volunteer to join committees, and help us to plan for future council programs.

Pulmonary Hypertension Highlights
Pulmonary Hypertension will be a major focus of the 2009 ISHLT Annual meeting in Paris. The PH council is excited that with the support of an exciting international faculty, we are looking forward to a stimulating program.

A half day satellite symposium on PAH covering several aspects of PAH is the most exciting feature of this year’s meeting. The session, entitled State of the Art Management Issues in PH and RV Failure: A Comprehensive International
Perspective is comprised of three sub-sessions entitled Cardiovascular Consequence of PH: Focus on Preserving the Right Ventricle - Advanced Medical and Surgical Therapies, Universal Issues in Right Ventricular Failure and Pulmonary Hypertension: New Concepts in Pathophysiology, Imaging and Management, and Cardiovascular Consequence of PH: Focus on Non-Traditional PH Patients. This last sub-session is a luncheon symposium and includes a box lunch for all who register for it. There is no fee to register or to attend, but if you wish to receive a box lunch, you must register in advance. These sessions include invited lectures as well as Pro-Con debates.

A record number of excellent pulmonary hypertension abstracts were both submitted and accepted this year. These original works will be highlighted in three oral sessions addressing prognostication, lessons learned from registries and the bench, and genes and peptides. Additionally, there will be one mini-oral session and a number of posters.

Finally, one of the featured abstracts in the closing Plenary Session will feature data from the ARIES trial. These sessions represent a significant increased commitment by ISHLT to the pulmonary hypertension community and will offer an inspiring international perspective on the diagnosis, management and treatment of PH.

**Pediatric Highlights**

There were a record number of submissions this year in the category of pediatric transplantation. Three oral scientific abstract sessions, a mini-oral session and a poster session will be devoted to pediatric transplantation. The themes of the oral and mini-oral poster sessions include recipient factors that determine outcomes of pediatric heart and lung transplantation, early and late rejection in pediatric heart and lung recipients, late outcomes following heart and lung transplantation, mechanical circulatory support and the importance of alloantibodies in pediatric heart transplantation. There will be several Satellite Symposia of particular interest to pediatric council members, including a session on "Heart Transplantation in the Adult with Congenital Heart Disease", a session entitled "Pediatric Transplantation- Looking beyond the graft" that covers topics such as nutrition, renal dysfunction, quality of life, adherence, cognition and transition of care in the pediatric transplant recipient and a session on issues in transplantation in the patient with genetic diseases. It should be a great meeting, look forward to seeing everyone in Paris!

**Heart Failure Highlights**

The CHF council in conjunction with the Clinical Transplant and Pulmonary Hypertension Councils will sponsor a symposium entitled State of the Art Management Issues in PH and RV failure: A Comprehensive International Perspective which will review the current knowledge of right ventricular function and failure across the spectrum of pulmonary arterial hypertension, chronic heart failure, mechanical circulatory support and cardiac transplantation.

The Novel Alternative Therapies Session will focus upon emerging potential therapies for chronic heart failure and will feature an invited lecture on the potential role of gene therapy with SERCA 2A in advanced heart failure.

**Pathology and Basic Science Highlights**

The pathology and basic science professionals within ISHLT will have several sessions of interest to them. Satellite sessions of interest include: Antibody Mediated Rejection and Accommodation in Heart Transplantation, Molecular Profiling in Heart and Lung transplantation. Concurrent sessions of interest include: the role of regulatory T-cells in allograft rejection, complement activation products as markers of antibody mediated rejection, the opening plenary session presentations on B-cell biology, basic mechanisms of BOS, novel therapeutics targeting rejection and injury, and regulation in experimental immunosuppression,

**Mechanical Support Highlights**

Mechanical Circulatory Support will be well represented at the annual meeting. Sessions of note include the second sessions of the PH Symposium, Universal Issues in Right Ventricular Failure and Pulmonary Hypertension: New Concepts in Pathophysiology, Imaging and Management, which includes several lectures on RV failure, RVADS, and LVADS. There is also a satellite symposium entitled Prevention & Management of Adverse Events in VAD’s and TAH.

The Friday Plenary Session is devoted to discussions about mechanical support for hearts and lungs. There will be a lecture by Doris Taylor on Prospects for and Engineered Heart and a point counterpoint on Novalung and ECMO. Several featured abstracts will address improvements in quality of life after MCSD implant, major clinical outcomes in children bridged to heart transplant using MCS, main predictors for long-term weaning success. Eight concurrent oral sessions, a mini oral session, and numerous posters round out the MCS offerings at the meeting.

**Phillip 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 at the Hôtel de Ville, which is French for City Hall. Work on the hall was begun in 1533 and completed in 1628. In 1871, a fire destroyed the building, leaving only the stone shell. The interior of the Hôtel de Ville was rebuilt within the stone shell that had survived the fire. While the rebuilt Hôtel de Ville is from the outside a copy of the 16th century building that stood before the fire, the new interior was based on an entirely new design, with ceremonial rooms lavishly decorated in the 1880s style. The decor featured murals by the leading painters of the day. It is a truly gorgeous building and an excellent setting for the President’s Gala Reception. One ticket to the Gala Reception is included with each paid registration. A cash bar will be available at the Gala. Please note that drink tickets must be purchased in advance at the ISHLT Registration Desk in the Palais des Congres. Note that transportation to the Gala is not provided by ISHLT. Excellent direct access is available via Metro (Line 1) from the Porte Maillot Station just outside the Palais des Congres, to the Hotel de Ville Station.
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 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.

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 needs.

Goals
To enable participants to learn about 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 will have improved competence and professional performance in the areas of:

1. Organ preservation, procurement, donor management and their implications for organ viability, donor selection, and recipient outcomes
2. Identification, prevention, and improvement of treatment for post-transplant infectious diseases and other complications to improve patient outcomes
3. Comparing and evaluating the advantages and disadvantages of various mechanical circulatory and respiratory support systems and their associated patient selection criteria
4. Describing the state-of-the-art in clinical heart and lung failure treatment and the criteria for and outcome implications of transplant versus non-transplant therapies
5. Evaluating issues of controversy in the selection of candidates for heart and lung transplantation, such as age, prior transplantation, and comorbidities
6. Comparing and evaluating the advantages and disadvantages of various pharmacologic, non-pharmacologic, and biologic immunosuppression techniques
7. Understanding the various methods of diagnosing, monitoring, and treating transplant rejection to improve patient outcomes
8. Describing how psychosocial and behavioral issues impact clinical post-transplant outcomes and quality of life for patients
9. Identifying current animal and other laboratory models relevant to the basic science of transplant immunobiology and discuss their application to the transplant setting
10. Understanding the immunobiology of organ selection and techniques utilized to detect and quantify HLA and non HLA antibody and the application of crossmatch results to select donors and subsequent post transplant management
The International Society for Heart and Lung Transplantation is most grateful for the educational grants and the support of

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Twenty-Ninth Annual Meeting and Scientific Sessions
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 on the following pages. All others have indicated they have no such relationship to disclose. 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.

Disclosure spreadsheet to come
# International Society for Heart and Lung Transplantation
## 29th Annual Meeting and Scientific Sessions

### SCHEDULE AT A GLANCE

**TUESDAY, APRIL 21, 2009**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 AM – 1:00 PM</td>
<td>ISHLT Board of Directors Meeting (Pissarro/Cezzane, Hotel Concorde LaFayette)</td>
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<tr>
<td>8:00 AM – 8:00 PM</td>
<td>Exhibit Booth Installation/Set-up (Hall Maillot)</td>
</tr>
</tbody>
</table>
| 1:00 PM – 3:00 PM | Registry Executive Committee Meeting (Salle de Sous-Commission J, Hotel Concorde LaFayette)  
 |                 | Communications Committee Meeting (Salle de Sous-Commission K, Hotel Concorde LaFayette) |
| 3:30 PM – 5:30 PM | Education Committee Meeting (Salle de Sous-Commission I, Hotel Concorde LaFayette)  
 |                 | Registries and Databases Committee Meeting (Salle de Sous-Commission H, Hotel Concorde LaFayette) |
| 5:00 PM – 8:00 PM | Registration Desk Open (Hall Maillot)                     |
| 5:00 PM – 8:00 PM | Slide Ready Room Open (Room 202/203)                     |

**WEDNESDAY, APRIL 22, 2009**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM – 7:00 PM</td>
<td>Registration Desk Open (Hall Maillot)</td>
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<tr>
<td>7:00 AM – 7:00 PM</td>
<td>Slide Ready Room Open (Room 202/203)</td>
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<tr>
<td>7:15 AM - 8:15 AM</td>
<td>Corporate Partner Breakfast (Etoile/Longchamp, Hotel Concorde LaFayette)</td>
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<tr>
<td>7:30 AM – 10:30 AM</td>
<td>Exhibit Booth Set-up (Hall Maillot)</td>
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<tr>
<td>7:30 AM – 10:30 AM</td>
<td>Poster Mounting (Hall Maillot)</td>
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<tr>
<td>7:30 AM – 8:00 PM</td>
<td>Internet Café Open (Hall Maillot)</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Satellite Symposia</td>
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<tr>
<td></td>
<td>1: Prevention &amp; Management of Adverse Events in Ventricular Assist Devices and Total Artificial Hearts (Main Theater)</td>
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</table>
|                | 2A: State of the Art Management Issues in PH and RV Failure: A Comprehensive International Perspective:  
 |                | Cardiovascular Consequence of Pulmonary Hypertension: Focus on Preserving the Right Ventricle - Advanced  
 |                | Medical and Surgical Therapies (Blue Theater)            |
|                | 3: Heart Transplantation in Adults with Congenital Heart Disease (Salle Maillot) |
|                | 4: Immunomodulation: Emerging Concepts in Therapy and Monitoring (Room 252AB) |
|                | 5: Hospital to Home: “Live and Let Live” (Room 242AB)    |
|                | 6: Antibody Mediated Rejection and Accommodation in Heart Transplantation (Room 241) |
| 9:00 AM – 5:00 PM | Press Office Open (Room 201)                             |
| 10:30 AM – 11:00 AM |                                             |
Coffee Break/View Posters/Visit Exhibits (Hall Maillot)

10:30 AM – 8:00 PM
Exhibit and Poster Halls Open (Hall Maillot)

11:00 AM – 1:00 PM
Satellite Symposia

7: Maximizing Donor and Candidate Management Prior to Lung Transplantation
9: Infection & BOS: The Chicken or the Egg (Salle Maillot)
10: Cardiac Transplantation for Unusual Diseases (Room 252AB)
11: Pediatric Transplantation – Looking Beyond the Graft (Room 242AB)
12: Molecular Profiling in Heart and Lung Transplant Rejection (Room 241)

1:00 PM -1:30 PM
Box Lunch Pick-Up (box lunches may be picked up in the Registration Area; advance purchase and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Blue Theater; ticket required for box lunch only; symposium open to all meeting delegates.)

1:30 PM – 2:45 PM
Lunchtime Symposium: Cardiovascular Consequence of Pulmonary Hypertension: Focus on Non-Traditional Pulmonary Hypertension Patients (Blue Theater)

1:15 PM – 2:45 PM
Past Presidents’ Luncheon (Room 243)

3:00 PM – 5:00 PM
Opening Plenary Session (Main Theatre)

5:00 PM – 7:00 PM
Heart Failure Guidelines Workforce Meeting (Room 243)

5:00 PM – 5:30 PM
Coffee Break/View Posters/Visit Exhibits (Hall Maillot)

5:30 PM – 7:00 PM
Concurrent Sessions
1: Priming the Pumps with Appropriate Patients (Main Theatre)
2: Measuring Clinical Outcomes after Lung Transplant (Blue Theatre)
3: Donor Management (Salle Maillot)
4: Outcomes of Pediatric Heart and Lung Transplant: Recipient Factors (252AB)
5: Allograft Rejection: Role of Regulatory T-Cells (242AB)
6: Complement Activation Products as Markers of Antibody Mediated Rejection (241)

7:00 PM – 8:00 PM
General Posters/Wine Reception (Hall Maillot)

9:00 PM – 10:30 PM
Gala Reception (City Hall/Hotel de Ville)
One ticket to the Gala Reception is included with each paid registration. A cash bar will be available at the Gala. Please note that drink tickets must be purchased in advance at the ISHLT Registration Desk in the Palais des Congres. Note that transportation to the Gala is not provided by ISHLT. Excellent direct access is available via Metro (Line 1) from the Porte Maillot Station, just outside the Palais des Congres, to the Hotel de Ville Station.

THURSDAY, APRIL 23, 2009

7:30 AM – 6:30 PM
Slide Ready Room Open (Room 202/203)

7:30 AM – 7:00 PM
Registration Desk Open (Hall Maillot)

7:30 AM – 7:30 PM
Internet Café Open (Hall Maillot)

7:30 AM – 10:30 AM
Poster Mounting (Hall Maillot)

7:45 AM – 8:45 AM
Scientific Council on Pathology and Basic Science Meeting (Room 241)
Scientific Council on Infectious Diseases Meeting (Room 243)
Scientific Council on Mechanical Circulatory Support Meeting (Salle Maillot)
Scientific Council on Pulmonary Hypertension Meeting (Room 242AB)

9:00 AM – 5:00 PM
Press Office Open (Room 201)

9:00 AM – 11:00 AM
Plenary Session (Main Theatre)

11:00 AM – 11:30 AM
Coffee Break/View Posters/View Exhibits (Hall Maillot)

11:00 AM – 7:30 PM
Exhibit and Poster Halls Open (Hall Maillot)

11:30 AM – 1:00 PM
Concurrent Sessions
7: Outcomes in Clinical Heart Transplantation (Main Theatre)
8: Approaches to Treating and Diagnosing BOS (Blue Theatre)
9: Stem Cell Therapy and Remodeling (Salle Maillot)
10: Pediatric Thoracic Transplantation: MCS and Rejection (252AB)
11: Organ Preservation (242 AB)
12: Quality of Life in Transplantation ”Bonjour La Vie”? (241)

1:00 PM – 1:15 PM
Box Lunch Pick-Up (box lunches may be picked up in the Registration Area; advance registration and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Blue Theatre)

1:15 PM – 2:45 PM
Lunch Symposium: *Die Another Day: New Perspectives on Cardiac Allograft Vasculopathy* (Main Theater)
Supported by an Educational Grant from Novartis
(ticket required for box lunch only; symposium open to all meeting delegates)

1:15 PM – 2:45 PM
JHLT Editorial Board Meeting (Room 243) (Lunch Provided)

1:15 PM – 2:45 PM
Mini-Oral Sessions 1-4

3:00 PM – 4:30 PM
Concurrent Sessions
13: Role of Antibodies in Heart Transplantation (Main Theatre)
14: Medical Management of MCS Patients (Blue Theatre)
15: Prognosticating in Pulmonary Arterial Hypertension: Do We Have Enough Information? (Salle Maillot)
16: Primary Cardiac Allograft Failure: An Under-Reported But Frequently Fatal Problem (252 AB)
17: Immunologic Dance with Infection (242 AB)
18: Philip K. Caves Award Candidate Presentations (241)

4:30 PM – 5:00 PM
Coffee Break/View Posters/Visit Exhibits (Hall Maillot)
5:00 PM – 7:30 PM
CAV Guidelines Workforce Meeting (Room 243)

5:00 PM – 6:30 PM
Concurrent Sessions
19: Building Bridges to Transplant with Mechanical Support (Main Theatre)
20: Long Term Issues/Cardiac Allograft Vasculopathy (Blue Theatre)
21: Effects of Implementing an Allocation System in Lung Transplant (Salle Maillot)
22: Picking Your Poison: The Pitfalls of Immunosuppressive Therapy (252 AB)
23: Bronchiolitis Obliterans Syndrome: Basic Mechanisms (242 AB)
24: Risk Stratification and Management of Advanced Heart Failure (241)

6:30 PM – 7:30 PM
PAH Guidelines Workforce Meeting (Room 273)

6:30 PM – 7:30 PM
General Posters/Wine Reception (Hall Maillot)

6:30 PM – 7:30 PM
Junior Faculty and Trainee Council Meeting (Room 241)

FRIDAY, APRIL 24, 2009

7:30 AM – 10:30 AM
Poster Mounting (Hall Maillot)

7:30 AM – 6:30 PM
Slide Ready Room Open (Room 202/203)

7:30 AM – 7:00 PM
Registration Desk Open (Hall Maillot)

7:30 AM – 7:30 PM
Internet Café Open (Hall Maillot)

7:45 AM – 8:45 AM
Scientific Council on Pediatric Transplantation Meeting (Room 241)
Scientific Council on Nursing and Social Science Meeting (Room 243)
Scientific Council on Pulmonary Transplantation Meeting (Salle Maillot)
Scientific Council on Heart Failure and Transplant Medicine Meeting (Room 242AB)

9:00 AM – 5:00 PM
Press Office Open (Room 201)

9:00 AM – 11:00 AM
Plenary Session (Main Theatre)

11:00 AM – 11:30 AM
Annual Business Meeting (Main Theater)

11:00 AM – 11:30 AM
Coffee Break/View Posters/Visit Exhibits (Hall Maillot)

11:00 AM – 7:30 PM
Exhibit and Poster Halls Open (Hall Maillot)

11:30 AM – 1:00 PM
Concurrent Sessions
25: Optimizing Outcomes After Mechanical Circulatory Support (Main Theatre)
26: Heart Transplantation: Clinical Challenges (Blue Theatre)
27: Gastric Aspiration: Pathway to Allograft Injury (Salle Maillot)
28: Steroid Free Immunosuppression: Myth or Reality (252 AB)
29: Novel Therapeutics Targeting Rejection and Injury (242 AB)
30: Social Support - "The Good, the Bad, and the Lonely" (241)

1:00 PM – 1:30 PM
Box Lunch Pick-Up (box lunches may be picked up in the Registration Area; advance purchase and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Blue Theater; ticket required for box lunch only; symposium open to all meeting delegates.)

1:30 PM – 2:45 PM
Lunchtime Symposium: Generics in Thoracic Transplantation: Boon or Bane? (Main Theater)

1:15 PM – 2:45 PM
Fellows Luncheon (Room 243) (pre-registration and ticket required)

1:15 PM – 2:45 PM
Standards and Guidelines Committee Meeting (Room 273) (bring your own box lunch)

1:15 PM – 2:45 PM
Mini-Oral Sessions 5-8

3:00 PM – 4:30 PM
Concurrent Sessions
31: New Perspectives in Cardiac Rejection (Main Theatre)
32: Revelations about Rotary Pumps (Blue Theatre)
33: Understanding Mechanism in the Development of BOS (Salle Maillot)
34: Genes and Peptides: Can They Help Guide Pulmonary Hypertension Management? (252 AB)
35: Pediatric Thoracic Transplantation: Late Outcomes (242 AB)
36: Fitting It Together - CMV in the Underworld: Cellular & Molecular Mischief (241)

4:30 PM – 5:00 PM
Coffee Break/View Posters/Visit Exhibits (Exhibit Hall)

5:00 PM – 6:30 PM
Concurrent Sessions
37: Emergent Analyses of Novel Devices (Main Theatre)
38: Donor Contributions to Lung Allograft Function (Blue Theatre)
39: Induction Therapy, Clinical Outcomes (Salle Maillot)
40: Experimental Immunosuppression: Is Regulation the Key? (252 AB)
41: Good Heart + Bad Body = Good Outcomes? (242 AB)
42: Optimizing the High Risk Heart Transplant Candidate (241)

6:00 PM – 7:30 PM
2010 Program Committee Meeting (Room 243)

6:30 PM – 7:30 PM
PAH Guidelines Workforce Meeting (Room 273)

6:30 PM – 7:30 PM
General Posters/Wine and Cheese Reception (Hall Maillot)

7:30 PM – 11:59 PM
Exhibit Hall Tear Down
Poster Tear Down

SATURDAY, APRIL 25, 2009

7:00 AM – NOON
Slide Ready Room Open (Room 202/203)

8:00 AM – 10:30 AM
Internet Café Open (Hall Maillot)
8:00 AM – 10:30 AM
Registration Desk Open (Hall Maillot)

8:15 AM – 10:15 AM
Plenary Session (Main Theatre)

10:15 AM – 10:30 AM
Coffee Break (Hall Maillot)

10:30 AM – NOON
Concurrent Sessions
43: Mechanical Support and Myocardial Recovery (Main Theatre)
44: Immunosuppression for Heart Transplantation: New Strategies (Blue Theatre)
45: Primary Graft Dysfunction: Evaluating Mechanisms in the Lung (Salle Maillot)
46: Pulmonary Arterial Hypertension: Lessons from Registries and the Bench (252 AB)
47: Novel Technologies and Therapies in Heart Failure (242 AB)
48: Organ Allocation (241)

NOON – 1:00 PM
Council Reports to the Membership and Board (Room 242 AB)

1:30 PM – 5:00 PM
ISHLT Board of Directors Meeting (Sisley Room, Hotel Concorde LaFayette)
SCIENTIFIC PROGRAM

All meetings and activities will take place at the Palais des Congres unless otherwise specified. All papers will be presented in English.

WEDNESDAY, APRIL 22, 2009

8:30 AM – 10:30 AM
SATELLITE SYMPOSIUM 1: Prevention & Management of Adverse Events in Ventricular Assist Devices and Total Artificial Hearts (Main Theater)
Chairs: Matthias Loebe, MD, PhD and Roberta C. Bogaev, MD, FACC

8:30 AM Prevention of Thromboembolic Events, Patricia Massicotte, MD, Stollery Children’s Hospital, Edmonton, Alberta, Canada

8:55 AM Nutritional Rehabilitation Post-Ventricular Assist Device, William Holman, MD, University of Alabama at Birmingham, AL

9:20 AM Breaking My Mechanical Heart – MRSA, Margaret M. Hannan, MD, Mater Hospital, Dublin, Ireland

9:45 AM Quality Standards for Device Durability, Robert Kormos, MD, Presbyterian University Hospital, Pittsburgh, PA

10:10 AM Discussion

8:30 AM – 10:30 AM
SATELLITE SYMPOSIUM 2: State of the Art Management Issues in PH and RV Failure: A Comprehensive International Perspective (Blue Theater)

A. Cardiovascular Consequence of Pulmonary Hypertension: Focus on Preserving the Right Ventricle - Advanced Medical and Surgical Therapies (Blue Theater)
Chairs: Evelyn Horn, MD and Raymond L. Benza, MD

8:30 AM Mechanism and Management of Right Ventricular Failure in Pulmonary Hypertension – Current Views, Robert P. Frantz, MD, Mayo Clinic, Rochester, MN

8:55 AM Going Beyond Monotherapy in Pulmonary Arterial Hypertension – Are Combination Therapies More Effective? Olivier Sitbon, MD, Hopital Antoine Beclere, Paris, France

9:20 AM Emerging New Therapies in Pulmonary Hypertension – What’s On the Horizon, Marc Humbert, MD, Hopital Antoine Beclere, Paris, France

9:45 AM Report from WHO Conference: When Medical Therapy Fails in Advanced Pulmonary Hypertension – Surgical Options, Anne Keogh, MBBS, MD, St. Vincent’s Hospital, Sydney, Australia

10:10 AM Panel Discussion

8:30 AM – 10:30 AM
SATELLITE SYMPOSIUM 3: Heart Transplantation in Adults with Congenital Heart Disease (Salle Maillot)
Chairs: Elizabeth Blume, MD and Professor Magdi Yacoub, MD

8:30 AM Indications and Timing: How to Evaluate, When to List, Michael Burch, MD, Great Ormond Street Hospital for Sick Children, London, UK

8:50 AM Pre-transplant Co-morbidities, Daphne Hsu, MD, Montefiore Medical Center, Bronx, NY

9:10 AM Use of Mechanical Circulatory Support in the Adult with Congenital Heart Disease, Brigitte Stiller, MD, Department of Congenital Heart Defects, Deutsches Herzzentrum Berlin, Germany

9:30 AM Surgical Approaches, Ivan Rebeyka, MD, University of Alberta, Edmonton Canada

9:50 AM Immediate Post-Transplant Considerations, Clifford Chin, MD, Stanford University, Palo Alto, CA
10:10 AM Long Term Outcomes: Late Morbidities, Re-Tx, Jonathan Chen, MD, Columbia University, New York, NY

8:30 AM – 10:30 AM SATELLITE SYMPOSIUM 4: Immunomodulation: Emerging Concepts in Therapy and Monitoring (Room 252AB) Chairs: Jonathan B. Orens, MD and Hermann Reichenspurner, MD, PhD

8:30 AM A Role for Induction Therapy in the 21st Century? Edward R. Garrity, Jr., MD, University of Chicago Medical Center, Chicago, IL

9:00 AM Clinical Trials, Is There a Place for CNI Free Protocols? Hendrik Treede, MD, University Clinic Hamburg-Eppendorf, Hamburg, Germany

9:30 AM Photopheresis, David C. McGiffin, MD, University of Alabama at Birmingham, AL

9:45 AM Total Lymphoid Irradiation, Paul A. Corris, MB, FRCP, Newcastle University and CT Centre, Newcastle Upon Tyne, United Kingdom

10:00 AM New Approaches to Monitoring the Extent of Immunosuppression, Sangeeta M. Bhorade, MD, University of Chicago, IL

8:30 AM – 10:30 AM SATELLITE SYMPOSIUM 5: Hospital to Home: “Live and Let Live” (Room 242AB) Chairs: Sharon Beer, MSC, RN and Nancy Blumenthal, CRNP

8:30 AM Discharge Planning and Supporting the Transplant Patient in the Community
   a) Heart, Kevin Carney, RN, CCTC, Hospital of the University of Pennsylvania, Philadelphia, PA
   b) Lung, Christiane Kugler, PhD, Hannover Medical School, Hannover, Germany

9:10 AM Home Management of MCSD Patients, Dawn Christensen, MS, CRNP, Milton S. Hershey Medical Center, Hershey, PA

9:30 AM Caregiver Burden and Support, Jeanne Salyer, PhD, RN, Virginia Commonwealth University School of Nursing, Richmond, VA

9:50 AM End of Life: Ethical and Practical Issues
   a) Ethical Issues, Jane MacIver, RN, M$SN, Toronto General Hospital, Toronto, Ontario, Canada
   b) Practical Issues, William M. Hallinan, RN, MS, University of Rochester Medical Center, Rochester, NY

8:30 AM – 10:30 AM SATELLITE SYMPOSIUM 6: Antibody Mediated Rejection and Accommodation in Heart Transplantation (Room 241) Chairs: Elizabeth Hammond MD, PhD and Patrick Bruneval, MD

8:30 AM Complement and its Regulators in Heart Transplantation, E. Rene Rodriguez, MD, Cleveland Clinic Foundation, Cleveland, OH

9:00 AM Clinical Parameters that Define Cardiac AMR in Adults, Abdallah Kfoury, MD, FACC, Intermountain Medical Center, Murray, UT

9:30 AM Taking on the Antibodies in Pediatric Heart Transplantation, Lori West, MD, D.Phil, University of Alberta, Alberta Diabetes Institute, Edmonton, Alberta, Canada

10:00 AM Is Accommodation Relevant to Human Heart Transplantation? Marilia Cascalho, MD, PhD, University of Michigan, Ann Arbor, MI

10:30 AM – 11:00 AM Coffee Break/Visit Exhibits/View Posters (Exhibit Hall)

10:30 AM – 8:00 PM Exhibit Hall Open
11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 7: Maximizing Donor and Candidate Management Prior to Lung Transplantation (Main Theater)
Chairs: John Dark, MB, FRCS and Gregory I. Snell, FRACP, MBB

11:00 AM Infectious Concerns in the Potential Lung Brain Dead Donor, Shahid Husain, MD, MS, University Health Network/University of Toronto, Ontario, Canada

11:25 AM How Can the Opportunities for DCD Lung Donation Be Maximized? Robert Love, MD, Loyola University Medical Center, Chicago, IL

11:50 AM Ex-vivo Lung Resuscitation: The New Frontier in Donor Management, Shaf Keshavjee, Toronto General Hospital, Toronto, Ontario, Canada

12:15 PM Organ Care System for Lung, Redha Souilamas, MD, PhD, European Georges Pompidou Hospital, Paris, France

12:25 PM Debate: There is no Limit to the Severity of Lung Disease in Patients Considered for Lung Transplantation.
   Pro: Stephan Fischer, MD, Medizinische Hochschule Hannover, Germany
   Con: Walter Klepetko, MD, University of Vienna, Austria

12:55 PM Discussion

11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 2B. Universal Issues in Right Ventricular Failure and Pulmonary Hypertension: New Concepts in Pathophysiology, Imaging and Management (Blue Theater)
Chairs: Myung H. Park, MD and Frank Pagani, MD, PhD

11:00 AM Mechanisms of Right Ventricular Failure in Volume and Pressure Overload Syndromes, Thomas G. DiSalvo, MD, Vanderbilt Heart Institute, Nashville, TN

11:15 AM Imaging the Right Ventricle: What Are The Options? Andrew Peacock, University of Glasgow, United Kingdom

11:30 AM Debate: Pulmonary Hypertension and Chronic Left Heart Failure – Do Pulmonary Hypertension Drug Therapies Have A Place?
   Pro: Mardi Gomberg-Maitland, MD, MSc, University of Chicago, IL
   Con: Robert Naeije, MD, Erasme University Hospital, Brussels, Belgium

12:00 PM Predicting Right Ventricular Failure after Left Ventricular Assist Device: Risk Factors, Mechanisms, Surgical Planning, David B. Dyke, MD, University of Michigan, Ann Arbor, MI

12:15 PM Management of Right Ventricular Failure Post Heart Transplant and Ventricular Assist Device: Pharmacologic Options, Allen S. Anderson, MD, University of Chicago Medical Center, Chicago, IL

12:30 PM Management of Right Ventricular Failure Post Heart Transplant and Ventricular Assist Device: Device Options and Weaning, Edwin C. McGee, Jr., MD, Northern Memorial Hospital, Chicago, IL

12:45 PM Panel Discussion

11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 9: Infection & BOS: The Chicken or the Egg (Salle Maillot)
Chairs: Annette Boehler, MD and Kate Gould, FRCPath

11:00 AM Pseudomonas Colonization and Infection, Geert Verleden, MD, PhD, University Hospital Gasthuisberg, Leuven, Belgium

11:25 AM Respiratory Viral Infections, Lara Danziger-Isakov, MD, MPH, Cleveland Clinic Foundation, Cleveland, OH

11:50 AM Cytomegalovirus, John F. McDyer, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

12:15 PM Tying It Together: Potential Common Mechanisms after Infectious Disease, Andrew J. Fisher, FRCP, PhD, Freeman Hospital, Newcastle Upon Tyne, United Kingdom
12:40 PM Panel Discussion

11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 10: Cardiac Transplantation for Unusual Diseases (Room 252AB)
Chairs: J. David Vega, MD and Luis Alonso Pulpon, MD

11:00 AM Myocarditis, Leslie Cooper, MD, Mayo Clinic, Rochester, MN
11:20 AM Amyloidosis, Thomas J. Dengler, MD, Medizinische Universitäetsklinik III, Heidelberg, Germany
11:40 AM Metabolic and Skeletomuscular Diseases, Steven A. Webber, MB, ChB, Children’s Hospital of Pittsburgh, PA
12:00 PM HIV, Mario C. Deng, MD, Columbia University Medical Center, New York, NY
12:20 PM Chagas Disease and Other Infections, Fernando Bacal, MD, PhD, Instituto de Caracao, Sao Paolo, Brazil
12:40 PM The Best of the Rest, Michel De Pauw, MD, University Hospital Ghent, Belgium

11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 11: Pediatric Transplantation – Looking Beyond the Graft (Room 242AB)
Chairs: George Mallory, Jr., MD and Yuk Law, MD

11:00 AM Bone Health and Nutrition – Do We Bother Enough? Beth D. Kaufman, MD, Children’s Hospital of Philadelphia, PA
11:20 AM Chronic Kidney Disease – Do We Manage It Well? W. Robert Morrow, MD, Arkansas Children’s Hospital, Little Rock, AR
11:40 AM Cognitive Function and Education – How Well Do They Do? Jo Wray, Royal Brompton and Harefield NHS Trust, London, UK
12:00 PM Quality of Life and Adherence – Do We Underestimate Their Importance? Samantha Anthony, MSW, PhD, Hospital for Sick Children, Toronto, Ontario, Canada
12:20 PM Exercise and the Pediatric Heart or Lung Transplant Recipient – Is It a Good Thing? Elfriede Pahl Schuette, MD, Children’s Memorial Hospital, Chicago, IL
12:40 PM Transition from Pediatric to Adult Care – How Do We Get It Right? Christian Benden, MD, University Hospital Zurich, Switzerland

11:00 AM – 1:00 PM
SATELLITE SYMPOSIUM 12: Molecular Profiling in Heart and Lung Transplant Rejection (Room 241)
Chairs: Ronald H. Kerman, PhD, and James George, PhD

11:00 AM Transcriptional Profiling as a Mechanistic Discovery Platform, Kenneth B. Margulies, MD, University of Pennsylvania Health System, Philadelphia, PA
11:20 AM Bronchoalveolar Immunologic Profiling of CC Chemokines Predict BOS and Mortality, John A. Belperio, MD, University of California at Los Angeles, CA
11:40 AM Multi Parameter Flow Antibody Detection of Donor Specific Antibodies, Adriana Zeevi, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA
12:00 PM Humoral Immunity to Non-HLA Antigens in Antibody Mediated Rejection, Marlene Rose, PhD, Harefield Hospital, Harefield, Middlesex, United Kingdom
12:20 PM Regulatory T Cells in Lung Tx, Thalachallour Mohanakumar, PhD, Washington University School of Medicine, St. Louis, MO
12:40 PM Panel Discussion
1:15 PM – 2:45 PM  
PAST PRESIDENTS’ LUNCHEON (Room 243)

1:00 PM – 1:30 PM  
BOX LUNCH PICK-UP (box lunches may be picked up in the Registration Area; advance purchase and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Blue Theatre; ticket required for box lunch only; symposium open to all meeting delegates.)

1:30 PM – 2:45 PM  
LUNCHTIME SYMPOSIUM:  **Cardiovascular Consequence of Pulmonary Hypertension: Focus on Non-Traditional Pulmonary Hypertension Patients** (Blue Theater)  
Chairs: Srinivas Murali, MD and Deborah Levine, MD

1:30 PM  
Lessons from REVEAL Registry: Are We Already Treating the Non-Traditional Pulmonary Hypertension Patients? Adaani Frost, MD, Baylor College of Medicine, Houston, TX

1:40 PM  
Debate:  
**Treating Pulmonary Hypertension in Parenchymal Lung Disease: Vasoactive Therapy Is Effective**  
Pro: Keith McNeil, FRACP, The Prince Charles Hospital, Brisbane, Australia  
Con: Reda Girgis, MB, BCh, Johns Hopkins University, Baltimore, MD

2:00 PM  
Chronic Thromboembolic Pulmonary Hypertension – Are Medical and Surgical Therapies Complementary or Mutually Exclusive? Stuart W. Jamieson, MB, FRCS, University of California San Diego Medical Center, San Diego, CA

2:15 PM  
Panel Discussion

3:00 PM – 5:00 PM  
OPENING PLENARY SESSION (Main Theatre)  
Chairs: Mandeep R. Mehra, MD and Randall C. Starling, MD, MPH, FACC

3:00 PM  
Welcome, Mandeep R. Mehra, MD, University of Maryland School of Medicine, Baltimore, MD

3:05 PM  
Color Guard and French National Anthem

3:10 PM  
Welcome, Bertrand Delanoe, Mayor of Paris, introduced by Redha R. Souilamas, MD, PhD, European Georges Pompidou Hospital, Paris, France

3:15 PM  
Welcome, Mrs. Roselyne Bachelot, French Minister of Health

3:20 PM  
Program Committee Report, Randall C. Starling, MD, MPH, Cleveland Clinic Foundation, Cleveland, OH

3:25 PM  
ISHLT International Thoracic Registry Report, Marshall I. Hertz, MD, University of Minnesota, Minneapolis, MN

3:50 PM (1) Featured Abstract:  
**Focusing on the Future: Development of a Predictive Model for Long-Term Survival**; C.J. Gries¹, T.C. Rue², P.J. Heagerty², J. Edelman¹, M.S. Mulligan³, C.H. Goss¹ ¹University of Washington School of Medicine, Seattle, WA; ²University of Washington School of Medicine, Seattle, WA; ³University of Washington School of Medicine, Seattle, WA

4:05 PM (2) Featured Abstract:  
**Outcomes Following Transplantation for Congenital Heart Disease in Adults**; R.R. Davies¹, M.J. Russo¹, J. Yang¹, J.M. Quaegebeur¹, R.S. Mosca¹, J.M. Chen² ¹Children’s Hospital of New York- Presbyterian, New York, NY; ²Weill Medical College of Cornell University, New York, NY

4:25 PM  
Pioneer Lecture: Christian Cabrol, MD, La Pitie Hospital, Paris, France

5:00 PM – 5:30 PM  
Coffee Break/Visit Exhibits/View Posters (Hall Maillot)

5:00 PM – 7:00 PM  
Heart Failure Guidelines Workforce Meeting (Room 243)

5:30 PM – 7:00 PM  
CONCURRENT SESSION 1:  **Priming the Pumps with Appropriate Patients** (Main Theatre)  
Chairs: Mark S. Slaughter, MD and Steven SL Tsui, MD, FRCS
5:30 PM (3) **Does VAD Therapy as a “Bridge to Candidacy” Apply to the Morbidly Obese?**; J.W. Haft¹, M.A. Romano¹, J.C. Matthews², D.B. Dyke², F.D. Pagani¹ ¹University of Michigan, Ann Arbor, MI; ²University of Michigan, Ann Arbor, MI

5:45 PM (4) **HMGB1 — A Sentinel for Outcomes in VAD Patients?**; T.A. Snyder¹, J. Hu², E.N. Sorensen², E.D. Feller², S.L. Moan1², R.N. Pierson², R.S. Poston³, B.P. Griffith¹ ¹Integris Medical Center, Oklahoma City, OK; ²University of Maryland Medical Center, Baltimore, MD; ³Boston University, Boston, MA

6:00 PM (5) **Lack of Improvement in Prealbumin at Two Weeks Predicts a Poor Outcome after Mechanical Circulatory Support**; K.L. Lockard¹, L. DeGore¹, P. Schwarm¹, S. Winowich¹, G. O’Shea¹, M. Siegenthaler¹, M. Simon², R.L. Kormos¹, J.J. Teuteberg² ¹University of Pittsburgh, Pittsburgh, PA; ²University of Pittsburgh, Pittsburgh, PA

6:15 PM (6) **Percutaneous LVAD Support Reverses Neurohormonal Dysregulation and Apoptosis but Increases Inflammation in Profound Refractory Cardiogenic Shock**; N.R. Shah¹, M.C. Bieniarz¹, S.S. Basra³, R.D. Paisley⁴, P. Loyalka², D.L. Mann¹, B. Kar¹² ¹Baylor College of Medicine, Houston, TX; ²Texas Heart Institute at St. Luke’s Episcopal Hospital, Houston, TX; ³University of Texas School of Public Health, Houston, TX; ⁴University of Texas Health Science Center, Houston, TX

6:30 PM (7) **Risk of Infection after LVAD Placement for Long-Term Support by Body-Mass Index and Device Type**; S. Martin, L. Wellington, K. Stevenson, C. Sai-Sudhakar, M. Firstenberg, D. Blais, L. Louis, B. Sun ¹The Ohio State University Medical Center, Columbus, OH

6:45 PM (8) **Using Risk Modeling To Identify Subjects for Studies of LVAD Destination Therapy in Less Ill Cohorts**; T.F. Dardas¹, J.C. Matthews¹, T.M. Koelling¹, J.W. Haft¹, W.C. Levy², F.D. Pagani¹, K.D. Aaronson¹ ¹University of Michigan, Ann Arbor, MI; ²University of Washington, Seattle, WA

5:30 PM – 7:00 PM **CONCURRENT SESSION 2: Measuring Clinical Outcomes after Lung Transplant** (Blue Theatre)

5:30 PM (9) **Factors Indicative of Long Term Survival after Lung Transplantation: A Review of 890 10-Year Survivors**; E.S. Weiss¹, J.G. Allen¹, C.A. Merlo², J.V. Conte¹, A.S. Shah¹ ¹The Johns Hopkins University School of Medicine, Baltimore, MD; ²The Johns Hopkins University of School of Medicine, Baltimore, MD

5:45 PM (10) **Long-Term Outcomes after Alemtuzumab Induction in Lung Transplantation**; S. Shyu¹, M.A. Dew², A. De Vito Dabbs², M. Crespo³, D.B. Zaldonis⁵, B.A. Johnson⁴, S.M. Studer⁵, Y. Toyoda⁵, C.A. Bermudez³, B.G. Hattler⁵, J.M. Pilewski¹, K.R. McCurry¹ ¹University of Pittsburgh, Pittsburgh, PA; ²University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA; ³University of Pittsburgh School of Nursing, Pittsburgh, PA; ⁴University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA; ⁵University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA; ⁶Newark Beth Israel Medical Center, St. Barnabas Health Care System, Newark, NJ

6:00 PM (11) **HLA Mismatches Influence Lung Transplant Recipient Survival, Bronchiolitis Obliterans, and Rejection – Implications for Donor Lung Allocation**; M. Peltz¹, L.B. Edwards², M.E. Jessen¹, D.M. Meyer¹ ¹University of Texas Southwestern Medical Center at Dallas, Dallas, TX; ²United Network for Organ Sharing, Richmond, VA

6:15 PM (12) **ABO Minor Mismatch in Lung Transplantation – An Analysis of the UNOS Database**; D.G. Tang¹, H.R. Mallidi¹, D. Weill¹, B.A. Reitz¹, R.C. Robbins¹, G.S. Dhillon¹ ¹Stanford University, Stanford, CA; ²Stanford University, Stanford, CA

6:30 PM (13) **Early Indicators for Obstructive Airway Complications after Lung Transplantation**; T. Fuehner¹, O. Wiesner¹, C. DeWall¹, A. Simon², T. Welte¹, J. Gottlieb¹ ¹Hannover Medical School, Hannover, Germany; ²Hannover Medical School, Hannover, Germany

6:45 PM (14) **Anti-HLA Antibodies and Antibody-Directed Therapy after Lung Transplantation**; R.R. Hachem¹, M.R. Morrell¹, R.D. Yusen¹, A.A. Aloush², B.F. Meyers², A. Patterson², E.P. Trulock¹ ¹Washington University School of Medicine, St. Louis, MO; ²Washington University School of Medicine, St. Louis, MO

5:30 PM – 7:00 PM **CONCURRENT SESSION 3: Donor Management** (Salle Maillot)

Chairs: Joshua Sonett, MD and Redha R. Souilamas, MD, PhD
5:30 PM (15) Increased Levels of Interleukin-1 in Clinically Rejected Donor Lungs; M. Cypel, H. Kaneda, M. Anraku, J. Yeung, M. DePerrot, A. Pierre, T.K. Waddell, M. Liu, S. Keshavjee University of Toronto, Toronto, ON, Canada

5:45 PM (16) Trend or Treason: No Increase in Thromboembolic Events in LVAD Patients with Atrial Fibrillation Off Coumadin; J.N. Baker, S.C. Ennis, K.M. Gonczarek, L. Kleinkauf, C.A. Ennis, K.M. Lam, S.A. Moore, T.E. MacGillivray Massachusetts General Hospital, Boston, MA; Massachusetts General Hospital, Boston, MA

6:00 PM (17) Early and Intermediate Outcomes after Lung Transplantation Using Lung Donation after Cardiac Death; M. Cypel, M. Sato, E. Yildirim, F. Chen, W. Karolak, V. Leist, J. Yeung, C. Chaparro, M. Hutcheon, L.G. Singer, K. Yasufuku, M. DePerrot, T.K. Waddell, S. Keshavjee University of Toronto, Toronto, ON, Canada


6:30 PM (19) Serum Lactate Is a Highly Sensitive and Specific Predictor of Post Cardiac Transplant Outcomes Using the Organ Care System; A. Hamed, S. Tsui, J. Huber, R. Lin, E.C. Poggio, A. Ardehali TransMedics, Andover, MA; Papworth Hospital, Cambridge, United Kingdom; Biostatistical Consulting Inc., Burlington, MA; UCLA Medical Center, Los Angeles, CA

6:45 PM (20) The Resuscitated DCD Donor Heart Is Functionally Superior to the Brainstem Dead Donor Heart; A. Ali, G. Fajardo, G. Budas, S. Tsuda, Z. Ali, T. Quertermous, D. Bernstein, S. Tsui, R. Robbins, M. Fischbein, S. Large, E. Ashley Stanford University Medical Center, Palo Alto, CA; Papworth Hospital, Cambridge, Cambridgeshire, United Kingdom

5:30 PM – 7:00 PM CONCURRENT SESSION 4: Outcomes of Pediatric Heart and Lung Transplant: Recipient Factors (252AB) Chairs: Gerard J. Boyle, MD and Cynthia S. Herrington, MD

5:30 PM (21) BNP Levels Predict Outcome in Pediatric Heart Failure Patients: Post-Hoc Analysis of the Pediatric Carvedilol Trial; S.R. Auerbach, M.E. Richmond, J.M. Lamour, E.D. Blume, J. Huber, R. Lin, L.J. Addonizio, R.E. Shaddy, L. Mahony, E. Pahl, D.T. Hsu Columbia University, Morgan Stanley Children’s Hosp of New York Presbyterian, New York, NY; Albert Einstein College of Medicine, Children’s Hospital at Montefiore, Bronx, NY; Children’s Hospital Boston, Boston, MA; Children’s Hospital of Philadelphia, Philadelphia, PA; University of Texas Southwestern Medical Center, Dallas, TX; Northwestern University’s Feinberg School of Medicine, Children’s Memorial Hospital, Chicago, IL

5:45 PM (22) Impact of ABO-Incompatible Listing on Wait Times and Waitlist Mortality among Infants Listed for Heart Transplant in the US; C.S.D. Almond, K. Gauvreau, G. E. Piercey, D. Mah, L.B. Smoot, E.D. Blume, F. Fynn-Thompson, T.P. Singh Children’s Hospital Boston, Boston, MA; Children’s Hospital Boston, Boston, MA

6:00 PM (23) Evaluation of Outcomes of Adolescent Lung Transplantation at Pediatric vs. Adult Centers; J. Moore, S.C. Sweet, S.H. Covington, J.C. Magee, SRTR, Arbor Research, Ann Arbor, MI; United Network for Organ Sharing, Richmond, VA; SRTR, University of Michigan, Ann Arbor, MI; Washington University, St. Louis, MO

6:15 PM (24) Outcomes Following Listing and Transplantation for Infants with Unoperated Non-Hypoplastic Left Ventricle Congenital Heart Disease: A Multi-Institutional Study; K.J. Guleserian, K.B. Schectman, J. Zheng, R.E. Edens, J.P. Jacobs, W.T. Mahle, S.L. Emerson, E.D. Blume, C.E. Canter, PHTS Investigators Children’s Medical Center, Dallas, TX; University of Iowa Children’s Hospital, Iowa City, IA; All Children’s Hospital, St. Petersburg, FL; Children’s Healthcare of Atlanta, Atlanta, GA; Children’s Hospital Boston, Boston, MA; St. Louis Children’s Hospital, St. Louis, MO; Pediatric Heart Transplant Study Group, Birmingham, AL

6:30 PM (25) Perioperative Renal Failure in Pediatric Cardiac Transplant: Outcome and Risk Factors; L. Tang, T.J. L’Ecuyer Children’s Hospital of Michigan, Detroit, MI

6:45 PM (26) Body Mass Index as Predictor of Pediatric Heart Transplant Outcome: An Analysis of the ISHLT Pediatric Heart Transplant Registry; B.D. Kaufman, S. Chuai, F. Dobbels, R.E. Shaddy, University of Pennsylvania, Children’s Hospital of Philadelphia, Philadelphia, PA; University of Pennsylvania, School of Medicine, Philadelphia, PA; University of Leuven, Leuven, Belgium

5:30 PM – 7:00 PM CONCURRENT SESSION 5: Allograft Rejection: Role of Regulatory T-Cells (242AB) Chairs: Howard J. Eisen, MD and Richard N. Pierson, III, MD
5:30 PM (27) Targeting of the Histone Acetyltransferase, Myst1, Enhances Foxp3+ Regulatory T Cell Function and Prolongs Cardiac Allograft Survival; P.J. Gruber, L. Wang, E.F. de Zoeten, A. Granger, D. Zhou, W.W. Hancock. Children’s Hospital of Philadelphia and University of Pennsylvania, Philadelphia, PA; University of Pennsylvania School of Medicine, Philadelphia, PA

5:45 PM (28) Donor-Specific Immune Regulation by CD8+ Graft Derived Lymphocytes during Rejection after Clinical Heart Transplantation; E. Dijke, K. Caliskan, A.H.M.M. Balk, W. Weimar, C.C. Baan. Erasmus MC, Rotterdam, Netherlands; Erasmus MC, Rotterdam, Netherlands

6:00 PM (29) Expansion of CD4+CD25+FoxP3+ Regulatory T Lymphocytes with Low-Dose Anti-Thymocyte Globulin Leads to Prolonged Survival of Cardiac Allografts but Not Tolerance; T.M. Millington, O. Boenisch, S. Boskovic, N. Najafian, M.H. Sayegh, J.C. Madsen. Massachusetts General Hospital, Boston, MA; Brigham and Women’s Hospital, Boston, MA

6:15 PM (30) CD4+CD25+ Regulatory T-Cells and Cardiac Allograft Vasculopathy; W. Sherman, S. Bastani, R. Bhatia, M.C. Fishbein, A. Ardehali. David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

6:30 PM (31) Innate Immune Activation by Hyaluronan Leads to Inflammation and Loss of Regulatory T Cells Resulting in Development of BOS Following Human Lung Transplantation; S. Ramachandran, K. Parekh, A. Aloush, E. Trulock. Washington University in St Louis, St. Louis, MO; University of Iowa, Iowa; Washington University in St Louis, St. Louis, MO

6:45 PM (32) Regeneration of Naïve T-Lymphocytes from Heart-Thymus Grafts Occurs at a Low Level and Is Associated with Prolonged Survival but Not Tolerance; T.M. Millington, A. Tena, S. Boskovic, T. Kawai, J. Wain, J. Allan, D.H. Sachs, J.C. Madsen. Massachusetts General Hospital, Boston, MA; Massachusetts General Hospital, Boston, MA

5:30 PM – 7:00 PM
CONCURRENT SESSION 6: Complement Activation Products as Markers of Antibody Mediated Rejection (241)
Chairs: Carmela D. Tan, MD and Annalisa Angelini, MD

5:30 PM (33) T-Cells Producing Both IFN-gamma and TGF-beta Induce Cardiac Allograft Vasculopathy; J. van Kuik, D.F. van Wichen, E. Siera-de Koning, N. de Jonge, H.F.J. Dullens, F.H.J. Gmelig-Meyling, R.A. de Weger. University Medical Center Utrecht, Utrecht, Netherlands; University Medical Center Utrecht, Utrecht, Netherlands; University Medical Center Utrecht, Utrecht, Netherlands

5:45 PM (34) C4d Detection and Outcome in Long-Term Heart Transplant Recipients; L. Potena, T. Ionico, O. Leone, G. Magnani, F. Grigioni, F. Coccolo, F. Fallani, A. Russo, A. Branzi. University of Bologna, Bologna, Italy; University of Bologna, Bologna, Italy

6:00 PM (35) Combined Positive C4d and C3d Immunofluorescence in Human Heart Transplants: How Frequent Is the Coexpression Seen?; B. Weynand, A.B. Collins, R.N. Smith. Cliniques Universitaires St Luc, Brussels, Belgium; Massachusetts General Hospital, Boston, MA


6:30 PM (37) The Role of C4d Immunostaining in the Evaluation of Microvascular Damage in Heart Transplantation; M. Fedrigo, F. Tona, A. Gambino, C. Castellani, F. Poli, E. Benazzi, A. Vinci, A.P. Caforio, G. Feltrin, G. Gerosa, M. Valente, G. Thiene, A. Angelini. University of Padua, Padua, Italy; University of Padua, Padua, Italy; University of Padua, Padua, Italy; Policlinico S. Mattia IRCCS, Milan, Italy

6:45 PM (38) WITHDRAWN

7:00 PM – 8:00 PM
GENERAL POSTERS/WINE RECEPTION (Hall Maillot)

(39) Tricuspid Valve Replacement Coincident with HeartMate LVAD Insertion; R.M. Adamson, W.P. Dembitsky, J. Chammas, S. Baradarian, P. Hoagland, B. Jaski, M. Shahovich, S. Chillcott, K. Ortiz, V. McCalmont. Sharp Memorial Hospital, San Diego, CA; Sharp Memorial Hospital, San Diego, CA; Sharp Memorial Hospital, San Diego, CA
(40) Usefulness of the INTERMACS Scale to Predict Outcomes Post-Mechanical Assist Device Implantation; A.C. Alba, V. Rao, J. Ivanov, H.J. Ross, D.H. Delgado. ¹Toronto General Hospital, Toronto, ON, Canada; ²Toronto General Hospital, Toronto, ON, Canada

(41) Predictors of Acute Renal Dysfunction after Ventricular Assist Device Placement; A.C. Alba, V. Rao, J. Ivanov, H.J. Ross, D.H. Delgado. ¹Toronto General Hospital, Toronto, ON, Canada; ²Toronto General Hospital, Toronto, ON, Canada

(42) Impact of Abdominal Complications on Outcomes Following Mechanical Circulatory Support Therapy; J.K. Bhama, P. Adusumulli, M.P. Siegenthaler, D. Zaldonis, A. Bansal, L. Garcia, E. Gongora, J.J. Teuteberg, Y. Toyoda, C.A. Bermudez, G. Speziali, K.R. McCurry, R.L. Kormos. ¹University of Pittsburgh Medical Center, Pittsburgh, PA; ²University of Pittsburgh Medical Center, Pittsburgh, PA


(44) WITHDRAWN

(45) Featured Poster: U.S. Experience with a Novel Centrifugal LVAD in Bridge to Transplant (BTT) Patients; A. Boyle, R. John, N. Moazami, G. Ewald, C. Salerno, M. Walsh, J. Teuteberg, R. Kormos, A. Anyanwu, S. Pinney, S. Desai, N. Burton, J. Kirklin, S. Pamboukian, S. Park, M. Redfield, D.D. Ascheim, M. Parides, U. Rawiel, E. Moquete, L. Joyce, A. Gelijns, J. O’Connell, E. McGee, B. Sun, D. Feldman, M. Camacho, M. Zucker University of Minnesota, Minneapolis, MN; Barnes Jewish Hospital, University of St. Louis, MO; St. Vincent Hospital and CorVascMDS, Indianapolis, IN; University of Pittsburgh Medical Center, Pittsburgh, PA; Mount Sinai Medical Center, New York, NY; Inova Heart and Vascular Institute, Fairfax, VA; University of Alabama at Birmingham, Birmingham, AL; Mayo Clinic, Rochester, MN; Mount Sinai School of Medicine, New York, NY; Northwestern University, Chicago, IL; Ohio State University, Columbus, OH, Newark Beth Israel Hospital, Newark, NJ

(46) Right Ventricle Contractile Reserve as a Pre-Operative Tool for Assessing RV Failure after Continuous Flow LVAD Implantation; G. Deswarte, M. Kirsch, J. C. Rousseau, P.F. Lesault, E. Vermes, D. Duveau, P. Gueret, J.L. Dubois Rande, D. Loisance, J. N. Trochu, T. Damy. ¹University Hospital, Nantes, France; ²Henri Mondor University Hospital, Créteil, France; ³Henri Mondor University Hospital, Créteil, France


(48) Featured Poster: Short and Long Term Survival of Patients Transferred to a Tertiary Care Center on Temporary Extracorporeal Circulatory Support; J.W. Haft, F.D. Pagani. University of Michigan, Ann Arbor, MI

(49) Obesity – No Longer an Exclusion Criteria for LVAD Implantation; F. Kamdar, K. Liao, F. Martinez, M. Colvin-Adams, A. Boyle, L. Joyce, R. John University of Minnesota, Minneapolis, MN

(50) Metabolomic Profiling of the Terminal Failing Human Myocardium Pre and Post Mechanical Unloading by Ventricular Assist Devices; S. Gezelbash, K. Niehaus, H. Neuweger, P. Schwientek, M. Morshuis, S. Schulte-Eistrup, R. Koerfer, H. Milting. ¹Universitaet Bielefeld, Bielefeld, NRW, Germany; ²Herz- und Diabeteszentrum NRW, Universitaetsklinikum der Ruhr Universitaet Bochum, Bad Oeynhausen, Germany

(51) Successful Management of Pump Pocket Infections in Patients with Implanted Left Ventricular Assist Devices; J.D. Pal, B.D. Alexander, A.J. Lodge, L. Blue, C.A. Milano. ¹Duke University, Durham, NC; ²Duke University, Durham, NC

(52) Featured Poster: Desensitization Therapy Is Associated with Improved Survival to Transplant in Sensitized Patients Bridged with a Left Ventricular Assisrt Device; P.C. Patel, K.P. Singh, E.J. Seglem, C.R. Ayers, C.L. Fitzsimmons, P.A. Kaiser, J.M. DiMaio, W.S. Ring, C.W. Yancy, P.P.A. Mamman, M.H. Drazner, D.M. Meyer, D.W. Markham. ¹UT Southwestern Medical Center, Dallas, TX; ²Baylor Heart and Vascular Institute, Baylor University Medical Center, Dallas, TX; ³UT Southwestern Medical Center, Dallas, TX

(53) Right Heart Failure after HeartMate II Left Ventricular Assist Device Implantation; S. Pauwaa, R. Siemek, M.A. Sobieski, C. Gallagher, A.J. Tatooles, M.S. Slaughter, G. Bhat. ¹Advocate Christ Medical Center, Oak Lawn, IL; ²University of Louisville, Louisville, KY
(54) **Featured Poster:** Bleeding and Thromboembolic Complications with Pulsatile Versus Non-Pulsatile LVADs; D.M. Pedrotty, I. Welsby, M.A. Daneshmand, L. Blue, A.J. Lodge, A.F. Hernandez, J.G. Rogers, C.A. Milano

1Duke University Medical Center, Durham, NC; 2Duke University Medical Center, Durham, NC; 3Duke University Medical Center, Durham, NC; 4Duke University, Durham, NC; 5Duke University Medical Center, Durham, NC

(55) **Featured Poster:** Clinical and Hemodynamic Findings with a System for Delivery of Aortic Flow Therapy in Patients with Acute Decompensated Heart Failure; F. Raissi Shabari, R.M. Delgado, B. Kar, A. Civitello, P. Loyalka, B. Czerska, M. Klapholz, E. Haeusslein, S. Brown, M.A. Konstam

Texas Heart Institute, Houston, TX; Henry Ford Hospital, Detroit, MI; UMDNJ, Newark, NJ; California Pacific Medical Center, San Francisco, CA; Integra, Brooklyn Park, MN; New England Medical Center, Tufts University, Boston, MA

(56) **Featured Poster:** Gender and Pre-Operative CRP Influence Survival after LVAD Implantation; J. Geens, S. Tenson, F. Rega, W. Drogne, J. Vancheempt, J. Vanhaecke

1University Hospitals Leuven, Leuven, Belgium; 2University Hospitals Leuven, Leuven, Belgium

(57) **Role of Implantable Cardioverter-Defibrillators in Patients with Left Ventricular Assist Devices; D. Bonilla, M.S. Firstenberg, D. Blais, L.B. Louis, R. Weiss, J.D. Hummel, T. Yanssens, S. Wissman, B. Sun, C.B. Sai Sudhakar Ohio State University Medical Center, Columbus, OH


(59) **Scheduled Implantation of VADs for Treatment of Terminal Heart Failure in Patients with Advanced Age: Single-Center Experience; A. Stepanenko, E.W. Potapov, M. Dandel, B. Jurmann, H.B. Lehmkuhl, Y. Weng, T. Krabatsch, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

(60) **Featured Poster:** Increased Incidence of Gastrointestinal Bleeding Following Implantation of Heartmate II LVAD; D.R. Stern, J. Kazam, S. Shariff, P. Edwards, N. McAllister, S. Maybaum, R. Bello, D. D’Alessandro, D. Goldstein Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY

(61) **Featured Poster:** Changes in the Protein Profiles of the Human Failing Heart after Left Ventricular Assist Device (LVAD) Support; P. van der Weide, N. Bovenschen, E. Siera-de Koning, J. van Kuik, M.E.I. Schipper, N. de Jonge, R.A. de Weger

1University Medical Center, Utrecht, Netherlands; 2University Medical Center, Utrecht, Netherlands

(62) **C-Reactive Protein, Vascular Cell Adhesion Molecule and Neopterin Are Markers of Advanced Cardiac Allograft Vasculopathy Determined by Intravascular Ultrasound; S. Arora, P. Aukrust, E. Gude, A. Andreassen, I. Grov, R. Skaardal, T. Ueland, O. Geiran, L. Gullesstad Rikshospitalet Medical Center, Oslo, Norway

(63) **Cardiac Retransplantation: A Valid Option for All Patients?; J.M. Barcelo, M. Gomez-Bueno, J. Segovia, R. Burgos, E. Castedo, S. Serrano, J. Ugarte, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain

(64) **Circulating Anti-Heart Autoantibodies Are Non-Invasive Markers of High Cellular Rejection Burden in Heart Transplantation; A.L.P. Caforio, A. Vinci, A. Angelini, F. Tona, S. Bottaro, G. Thieme, G. Gerosa, S. Iliceto

1University of Padova, Padova, Italy; 2University of Padova, Padova, Italy; 3University of Padova, Padova, Italy

(65) **Decreased Fungal Infections with Immunosuppression Modification in Cardiac Transplant Recipients; A.B. Cochrané, K.A. Lempicki, K.J. Purselli, A.S. Anderson, S.E. Fedson

1University of Chicago, Chicago, IL; 2University of Chicago, Chicago, IL

(66) **WITHDRAWN

(67) **CTLA-4, FasL and Granzyme B mRNA Expression in Sequential Biopsies from Heart Allografts Correlate with Episodes Allograft Rejection; M. Ramsperger-Gleixner, R. Tandler, M. Kondruweit, M. Weyand, S.M. Ensminger University of Erlangen-Nuremberg, Erlangen, Germany

(68) **Historical Trends of Primary Graft Failure after Heart Transplantation; M. Gomez-Bueno, J.M. Barcelo, J. Segovia, M. Cobo, J. Mirelis, E. Sufrate, P. Garcia-Pavia, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain
Do MICA Antibodies Prior to Heart Transplantation Influence Development of Acute Rejection?; S. Gupta, A. Medhat, A. Sabe, N. Ed, B. Eugene, G. Gonzalez-Stawinski


Short Term Outcomes Using CD3 Guided Low Dose Anti Thymocyte Globulin To Avoid Early Calcineurin Inhibition after Cardiac Transplantation; K.A. Parks, K. Gonczarek, O. Onuma, G.V. Moukarbel, B.R. Rosengard, M.J. Semigran

Obesity Confers Protection from Cardiac Allograft Vasculopathy?; A. Ankrom, J. Patel, E. Shao, S. Carr, M. Kawano, M. Kittleson, K. Kiyosaki, J. Moriguchi, A. Ardehali, J. Kobashigawa

Donor-Specific Antibodies Correlate with Rejection in Heart Transplant Patients; N. Patel, B. Pavlovic-Surjancev, J. Sinacore, B. Susskind, N. Neuwanger, T. Dasari, A. Heroux

Magnetic Resonance Imaging Correlates with Transcript Gene Expression in Cardiac Allograft Biopsies; I. Paterson, B. Sis, D. Kim, J. Ezekowitz, J. Burton, W. Tymchak, M. Mengel, T. Mueller, P. Halloran University of Alberta, Edmonton, AB, Canada

Implementation of Molecular Diagnostic Testing in the Early (2-6 Months) Post-Transplant Period; T.M. Rowe, A. Hicks, H.J. Eisen, J. Patel, S.R. Hankins, Hahnemann University Hospital, Philadelphia, PA; Drexel University College of Medicine, Philadelphia, PA; Drexel University College of Medicine, Philadelphia, PA; Drexel University, Philadelphia, PA


MRI Derived Measures of Left Ventricular Morphology Correlate with Clinical and Histopathological Heart Transplant Rejection; M. Toma, C. Butler, G. Pearson, R. Thompson, I. Paterson, University of Alberta, Edmonton, AB, Canada; University of Alberta, Edmonton, AB, Canada
(83) Brain Hippocampal Volumes Are Reduced in Patients with Heart Failure; C.M. Abouzeid¹, P.M. Macey², R. Kumar³, M.A. Woo⁴, R.M. Harper⁵ ¹University of California at Los Angeles, Los Angeles, CA; ²University of California at Los Angeles, Los Angeles, CA; ³University of California at Los Angeles, Los Angeles, CA

(84) Featured Poster: Relationship between Skeletal Muscle Function, Peak Oxygen Consumption and Cardiac Output in Patients with Chronic Heart Failure; D.N. Bartov⁴, S. Murthy⁵, G. Kamalakkannan⁶, Q. Smith⁷, J.J. Shin⁸, M. Galvao⁹, D. Burkhoff⁰, S. Maybaum ¹Montefiore Medical Center, New York, NY; ²Columbia University, New York, NY

(85) Semi-Supervised Approach to Risk Evaluation in Stage-D Heart Failure Patients Referred for Heart Transplantation; M. Cadeiras¹, S.M. Yala², G.D. Cadeiras³, K. Shahzad⁴, E.G. Tabak⁵, D.M. Mancini⁶, M.C. Deng⁷ ¹University of Alabama, Birmingham, AL; ²Columbia University, New York, NY; ³Università di Bologna, Buenos Aires, Argentina; ⁴New York University, New York, NY

(86) Prognostic Assessment of Patients with Severe Idiopathic Dilated Cardiomyopathy Referred for Heart Transplantation; M. Dandel, R. Jasaityte, H.B. Lehmkuhl, O. Grauhan, C. Knosallia, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

(87) The Relationship of Right and Left Ventricular Filling Pressures in Patients Undergoing Cardiac Transplantation: A 17-Year Multi-Institutional Analysis; M.H. Drazner¹, R.N. Brown², P.A. Kaiser³, B. Cabuay⁴, N.P. Lewis⁵, M.J. Semigran³, G. Torre-Amione⁶, D.C. Naffte⁶, J.K. Kirkl⁶ ¹University of Texas Southwestern Medical Center, Dallas, TX; ²University of Alabama at Birmingham, Birmingham, AL; ³Massachusetts General Hospital, Boston, MA; ⁴The Methodist Hospital, Houston, TX; ⁵Virginia Commonwealth University, Richmond, VA; ⁶University of Iowa, Iowa City, IA

(88) Truncal Obesity Is a Risk Factor Cardioresal Syndrome in Patients with Heart Failure; N. Huda¹, M.Z. Hoque¹, K.S. Murthy¹, H. Ra¹, S. Mehta¹, D.H. Karia¹ ¹Albert Einstein Medical Center, Philadelphia, PA; ²Albert Einstein Medical Center, Philadelphia, PA; ³Albert Einstein Medical Center, Philadelphia, PA

(89) Blackout Period for Urgent Heart Transplantation during Mechanical Circulatory Support Set by Eurotransplant for Germany; T. Komoda, H.B. Lehmkuhl, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

(90) Robotic Assisted Implantation of Left Ventricular Epicardial Pacing Leads for Cardiac Resynchronization Therapy; K. Liao¹, X. Li¹, M. Colvin-Adams², A. Boyle³, E. Missov³, M. Pitzker³, F. Lu³, S. Sakaguchi³, D. Benditt³ ¹University of Minnesota, Minneapolis, MN; ²University of Minnesota, Minneapolis, MN

(91) T-Lymphocyte Cytolytic Therapy as Treatment of Fulminant Lymphocytic Myocarditis Is Associated with Rapid Improvement in Hemodynamic and Cardiac Rhythm Abnormalities; V.N. Manins, N.M. Parle, L. Jackson², J. Tallaj¹, S. Pamboukian¹ ¹University of Alabama at Birmingham, Birmingham, AL

(92) Featured Poster: Mechanical Dyssynchrony Is Dynamic in Ambulatory Patients with Compensated Left Ventricular Dysfunction; K.S. Murthy, N. Huda, M.Z. Hoque, D.H. Karia ¹Albert Einstein Medical Center, Philadelphia, PA

(93) Efficacy of Treatment with Pulsatile Pump as a Bridge to Transplantation in Patients with a Congestive Heart Failure – Polish Experiences with POLVAD; J. Pacholewicz¹, M. Zakliczynski¹, A. Baranska-Kosakowska¹, G. Religa¹, P. Siondalski², E. Kucwicz³, P. Nadziakiewicz³, M. Zembala³ ³Institute of Cardiology, Warsaw, Poland; ²Medical University, Gdansk, Poland; ¹Silesian Center for Heart Disease, Medical University of Silesia, Zabrze, Poland

(94) Arrhythmias and Implantable Cardioverter Defibrillators in Fabry Cardiomyopathy; P.G. Robertson¹, G.N. Kay¹, D.G. Warnock¹, L. Jackson¹, J. Tallaj¹, S. Pamboukian¹ ¹University of Alabama at Birmingham, Birmingham, AL

(95) Short Term Prognosis of Patients with Refractory Heart Failure and Atrial Fibrillation Qualified for Heart Transplantation – POLKARD HF; M. Sobieszczanska-Malek¹, T. Zielinski¹, J. Kowalczyk¹, M. Sobieszczanska-Malek¹, T. Zielinski¹, J. Kowalczyk¹ ¹National Institute of Cardiology, Warsaw, Poland; ²National Institute of Cardiology, Warsaw, Poland; ³National Institute of Cardiology, Warsaw, Poland

(96) Previous Cardiovascular Disease or Diabetes Are Associated with a Very High Risk of Cardiovascular Disease after Lung Transplantation; L. Plantier¹, S. Neij¹, G. Blondi¹, G. Jebrak¹, D. Himbert¹, Y. Castier³, H. Mal¹, G. Thabut¹, M. Fournier¹ ¹Hôpital Bichat, Paris, France; ²Hôpital Bichat, Paris, France; ³Hôpital Bichat, Paris, France

Efficacy of Dobutamine Stress Echocardiography in Cardiac Evaluation for Lung Transplantation; S.M. Lome, F.F. Jeff, F. Ling, D.F. Dilling, R.B. Love, C.H. Wigfield, J.P. Gagermeier, C.G. Alex, R.S. Dieter, F. Laya. Loyola University Chicago, Maywood, IL; Loyola University Chicago, Maywood, IL; Loyola University Chicago, Maywood, IL.

RAD in UIP: 3-Year Results of a Multicentre, Investigator Driven, Randomised Double Blind, Placebo Controlled Study of RAD in Surgical Lung Biopsy Proven UIP; M.A. Malouf, L. Singleton, P. Hopkins, G. Snell, A.M. Southcott, A.R. Glanville. St.Vincent’s Hospital, Sydney, NSW, Australia; The Prince Charles Hospital, Brisbane, Queensland, Australia; Alfred Hospital, Melbourne, Victoria, Australia; The Queen Elizabeth Hospital, Adelaide, South Australia, Australia.

RAD in DPLD Associated CTD: 3-Year Results of a Pilot, Multicentre, Investigator Driven, Randomised Double Blind, Placebo Controlled Study of RAD in DPLD Associated CTD; M.A. Malouf, L. Singleton, G. Snell, P. Hopkins, A.M. Southcott, A.R. Glanville. St.Vincent’s Hospital, Sydney, NSW, Australia; The Prince Charles Hospital, Brisbane, Queensland, Australia; Alfred Hospital, Melbourne, Victoria, Australia; The Queen Elizabeth Hospital, Adelaide, South Australia, Australia.

Impact of Preexisting Coronary Artery Disease on Patients Undergoing Lung Transplantation; A.A. Mangi, G.B. Pettersson, M.M. Budev, K.M.G. Reyes, J.J. Yun, A.C. Mehta, D.P. Mason, S.C. Murthy. Cleveland Clinic, Cleveland, OH; Cleveland Clinic, Cleveland, OH.

Functional Class IV Heart Failure Patients Treated with Cardiac Resynchronization Therapy; M.A. Castel, L. Mont, F. Perez-Villa, J. Tolosana, M. Sitges, E. Roig Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain.

Outcomes after Aortic Valve Replacement in Patients with Severe Aortic Regurgitation and Significantly Reduced Left Ventricular Ejection Fraction; M.A. Castel, A. Garcia, M. Cordero, F. Perez-Villa, M. Josa, E. Roig Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain.

Plasmapheresis: Quality of Life and Clinical Improvements in Chronic Heart Failure; N.A. Khalil, C.M. Orrego, C. Assad-Kottner, C. Leveque, K.A. Youker, G. Torre-Amione. The Methodist Hospital, Houston, TX.

Efficacy of the Generation-2 Acom Cardiac Support Device in Dogs with Chronic Heart Failure; H.N. Sabbah. Henry Ford Hospital, Detroit, MI.

Low Strength Electric Field Network-Mediated Ex Vivo IL-4 and IL-10 Combined Gene Therapy Induced Rabbit Cardiac Allograft Tolerance; L. Sen, G. Cui, H. Laks, C. Chen. David Geffen School of Medicine in UCLA, Los Angeles, CA; David Geffen School of Medicine in UCLA, Los Angeles, CA.

Preliminary Outcomes after Lung Transplantation from Donors with Cardiac Death; I.M. Ahmed, M. Yap, A. Hamilton, M. Harkess, P.M. Spratt, P. Jansz, A. Famsworth, G. Emily, P. Macdonald, A.R. Glanville. Freeman Hospital, Newcastle upon Tyne, Northumbria, United Kingdom; St Vincent’s Hospital, Sydney, NSW, Australia.

NHBD Meet the Standard of HBD Regarding Early Outcome after LTx; S. De Vleeschauwer, D. Van Raemdonck, B. Vanaudenaerde, R. Vos. Verleden Katholieke Universiteit Leuven, Leuven, Belgium.


Size-Reduced Lung Transplantation: Correlation of Donor Predicted Postoperative FEV1 with Recipient Best FEV1; I. Ilhan, P. Kestenholz, D. Schneiter, S. Hillinger, I. Opittz, S. Irani, A. Boehrer, W. Weder. University Hospital, Zurich, Switzerland; University Hospital, Zurich, Switzerland.

Pulmonary Fibrosis and Functional Restriction: A Different Type of BO(S); P. Jaksch, C. Mueller-mang, B. Zweytick, A. Hoda, M. Keplinger, A. Scheed, G. Lang, W. Klepetko. University Hospital Vienna, Vienna, Austria; University Hospital Vienna, Vienna, Austria.

(113) Assessment of Anti-CMV Specific Reactivity on BAL Cells by Enzyme Linked Immunospot Assay (ELISPOT); M. Agnesi1, V. Conio1, P. Draghi1, C. Lastoria1, D. Lilleri2, V. Rognoni1, N. Solari1, A.M. Fietta1, F. Meloni1 1University of Pavia, Foundation IRCCS San Matteo, Pavia, Italy; 2Foundation IRCCS San Matteo, Pavia, Italy

(114) Early Epithelial Remodeling and Bronchiolitis Obliterans Post Lung Transplantation; M. Nataatmadja1, M. Passmore1, A. Corley2, E. Venz2, P. Hopkins3, F. Kermeen2, J. Fraser2, B. Thomson1, G. Hart1, D. Chambers2, T. Daniels2 1University of Queensland, Brisbane, Queensland, Australia; 2Prince Charles Hospital, Brisbane, Queensland, Australia

(115) A High Diploid DEFA1A3 Copy Number Predispose to Lung Transplant Rejection; H. Nuytten1, H. Cuppens1, G. Verleden2, L.J. Dupont2 1Campus Gasthuisberg ON, Leuven, Belgium; 2University Hospital Gasthuisberg, Leuven, Belgium

(116) Lung Transplantation with Direct Bronchial Arterial Revascularization (BAR): Feasible and Effective – Time To Revisit?; G.B. Pettersson1, J.J. Yun1, J. Nocero2, D.P. Mason1, S.C. Murthy1, S. Kapadia3, A.A. Mangi1, A.C. Mehta2, M.M. Budev2 1Cleveland Clinic Foundation, Cleveland, OH; 2Cleveland Clinic Foundation, Cleveland, OH

(117) Aspiration in the Immediate Post Lung Transplantation Period; A.G.N. Robertson1, S.M. Griffin1, C. Ward2, J.P. Pearson1, A.J. Bredenoord3, J.H. Dark2, A.J. Fisher2, J. Lordan2, P.A. Corris2 1Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom; 2Newcastle University, Newcastle upon Tyne, United Kingdom; 3Freeman Hospital, Newcastle upon Tyne, United Kingdom; 4Newcastle University, Newcastle upon Tyne, United Kingdom; 5Sint Antonius Hospital, Nieuwegein, Netherlands


(119) Risk of Bronchiolitis Obliterans in Lung Transplant Recipients Who Require ECMO for Primary Graft Failure; M.D. Taylor1, J. Um2, B.D. Kozower1, D.R. Jones1, G. Ailawadi1, M. Scavuzzo3, T. Guthrie3, B.F. Meyers3, R.D. Davis4, G.A. Patterson5, C.L. Lau1 1University of Virginia, Charlottesville, VA; 2University Hospital Gasthuisberg, Leuven, Belgium

(120) Determinants of Time To Peak FEV1 after Lung Transplantation; V.G. Valentine1, A. Raza2, S.P. Nishi1, M.R. Gupta1, L. Seoane2, G.A. Lombard1, G.S. Dhillon3 1University of Texas Medical Branch, Galveston, TX; 2Ochsner Medical Center, New Orleans, LA; 3Stanford University Hospital, Stanford, CA

(121) C-Reactive Protein in Broncho-Alveolar Lavage Is Associated with Airway Inflammation after Lung Transplantation; R. Vos, B.M. Vanaudenaerde, S.I. De Vleeschauwer, L.J. Dupont, D. Van Raemdonck, G.M. Verleden Katholieke Universiteit and University Hospital Leuven, Leuven, Belgium

(122) The Relationship between Positive HLA Antibodies, Acute Rejection Episodes and Lung Function Decline Following Lung Transplantation; C.I. Whale1, A. Highton, N. Fernandez, S. Lawrence, C. Jary, E. Gabbay, M. Musk Royal Perth Hospital, Perth, WA, Australia

(123) Featured Poster: REVEAL Registry: Prevalence, Demographics and Outcomes in Patients with Pulmonary Arterial Hypertension (PAH) Characterized by Higher Left Sided Pressures; A. Frost1, D. Miller2, H. Farber3, M.D. McGoone4, R. Barst5, C.G. Elliott6 1Baylor College of Medicine, Houston, TX; 2ICON Clinical Research, Lifecycle Science Group, San Francisco, CA; 3Boston University School of Medicine, Boston, MA; 4Mayo Clinic, Rochester, MN; 5Columbia University College of Physicians and Surgeons, New York, NY; 6Intermountain Medical Center, University of Utah, Salt Lake, UT

(124) Featured Poster: Severe Pulmonary Hypertension in IPF: Characteristics and Implications; O.A. Minai, J. Santacruz, M.M. Budev, K. McCarthy, L. Thuita, J. Alster Cleveland Clinic, Cleveland, OH

(125) Impact of Pulmonary Hypertension on Early Hemodynamics, Morbidity and Mortality after Orthotopic Heart Transplantation; H. Bedanova1, M. Orban, E.D. Petrikovits, J. Ondrasek, P. Nemec, J. Cerny1 1Center of Cardiovascular and Transplant Surgery, Brno, Czech Republic

(126) Exercise Pulmonary Hypertension-Systemic Sclerosis: Four Distinct Entities; R. Saggar1, D. Khanna2, S. Shapiro1, D.E. Furst3, D.J. Ross1, J.A. Belperio1, D.A. Zisman1, P.J. Clements2, N. Chauhan, J.P. Lynch1, S. Weigt1, R. Saggar1 1David Geffen School of Medicine, UCLA, Los Angeles, CA; 2David Geffen School of Medicine, UCLA, Los Angeles, CA
(127) Characterization of Patients with Drugs and Toxins Associated Pulmonary Arterial Hypertension: A Clinical and Outcomes Perspective; S. Snook1, K. Kudelko1, E. Spiekerkoetter1, E. Fu2, F. Haddad3, R.T. Zamanian1 1Division of Pulmonary Critical Care Medicine, Stanford, CA; 2Internal Medicine, Stanford, CA; 3Cardiovascular Medicine, Stanford, CA

(128) Decreased Expression of Thrombospondin-1 in Failing Hearts Could Favour Ventricular Remodeling; M. Battie, F. Perez-Villa, A. Lazaro, E. Garcia-Pras, I. Vallejos, A. Arias, A. Sionis, A. Castel, E. Roig Thorax Institute - IDIBAPS - Hospital Clinic, Barcelona, Spain; Thorax Institute - IDIBAPS - Hospital Clinic, Barcelona, Spain; Thorax Institute - IDIBAPS - Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain; Hospital Clinic, Barcelona, Spain

(129) Treatment of Endothelial Cells with ATG Prevents Transendothelial Migration of Leukocytes; A. Beiras-Fernandez, I. Hartmann, I. Kaczmarek, G. Eissner, B. Reichart LM-University, Munich, Germany

(130) Featured Poster: Versican Expression Induces Tissue Remodeling; J.M. Carthy, S. Boroomand, M. Rahmani, D. Knight, B.M. McManus The University of British Columbia/The James Hogg iCAPTURE Centre, Vancouver, BC, Canada

(131) The Association between Killer Immunoglobulin-Like Receptors (KIR) Genotype Profile and Primary CMV Infection in CMV D+/R- Heart and Lung Transplant Recipients; S. Hemachandra1, M. Askar2, A. Zhang3, D. Thomas4, D. Pldwell5, N.K. Shrestha1, D. van Duin1, R.K. Avery1 1Cleveland Clinic Foundation, Cleveland, OH; 2Cleveland Clinic Foundation, Cleveland, OH

(132) Stromal Cell-Derived Factor-1(SDF-1): A Novel Cardiac Rejection Biomarker; A. Khanna, J. Xu, M.R. Mehra University of Maryland School of Medicine, Baltimore, MD

(133) T-Cadherin Expression in Cardiac Allograft Vasculopathy after Human Heart Transplantation; A. Roussoulieres1,2, S. Collot-Teixeira3, K. Morser3, L. Chalabreysse4, C. McDermott-Roe3, C. Cerutti5, A. Guzman6, J.-B. Michel7, P. Boissonnat7, L. Sebag8, F. Thivolet-Bejui9, G. Briaca2, J. McGregor3,6 1Hôpital Cardiologique Louis Pradel, Lyon, France; 2INSERM/Université Claude Bernard, Lyon, France; 3King’s College, London, United Kingdom; 4Hôpital Cardiologique Louis Pradel, Lyon, France; 5INSERM, Paris, France; 6INSERM/Hôpital Lariboisiére, Paris, France

(134) MyD88 Dependent Signaling Pathway Is Involved with Lung Ischemia-Reperfusion Injury; A. Shimamoto, Y. Yajima, S. Shomura, M. Takao, H. Shimpie Miy University Graduate School of Medicine, Tsu, Mie, Japan

(135) WITHDRAWN

(136) Does the Direct Myocardial Application of Electrical Microcurrent Heal Heart Failure by Downregulation of the Pro-Inflammatory Cytokines?; J. Mueller1, B. Kapeller2, H. Heinze1, M. Hofmann2, J. Holfeld3, U.M. Losert4, K. Macfelda5 1Berlin Heart, Berlin, Germany; 2Medizinische Universität Wien, Wien, Austria

(137) OX40 Triggering Breaks Costimulation Blockade-Mediated Lung Allograft Acceptance; M. Okazaki1, W. Li1, J. Lai1, S. Sugimoto1, C.G. Kornfeld1, F.H. Kreisel1, X. Lin1, G.A. Patterson1, A.S. Krupnick1, A.E. Gelman1, D. Kreisel1 1Washington University in St. Louis, St. Louis, MO; 2Washington University in St. Louis, St. Louis, MO

(138) The Role of Mast Cells in Acute and Chronic Cardiac Allograft Rejection; S. Itoh1, S. Nakae1, J. Velotta1, H. Kosuge1, S. Schrepter1, A. Connolly2, M. Tsai1, H. Adachi1, S.J. Galli3, R.C. Robbins4, M.P. Fischbein1 1Stanford University School of Medicine, Stanford; 2University of Tokyo, Tokyo, Japan; 3Stanford University School of Medicine, Stanford; 4Saitama Medical Center, Jichi Medical School, Saitama, Japan

(139) MyD88 Dependent Signaling Pathway Is Involved with Lung Ischemia-Reperfusion Injury; A. Shimamoto, Y. Yajima, S. Shomura, M. Takao, H. Shimpie Miy University Graduate School of Medicine, Tsu, Mie, Japan

(140) Early In Vivo Events Leading to Operational Tolerance in Neonatal Mice; R.A. Bascom1, K. Tao1, L.J. West1,2,3 1University of Alberta, Edmonton, Canada; 2University of Alberta, Edmonton, Canada; 3University of Alberta, Edmonton, Canada

9:00 PM – 10:30 PM
Gala Reception (City Hall/Hotel de Ville)
One ticket to the Gala Reception is included with each paid registration. A cash bar will be available at the Gala. Please note that drink tickets must be purchased in advance at the ISHLT Registration Desk in the Palais des
Congres. Note that transportation to the Gala is not provided by ISHLT. Excellent direct access is available via Metro (Line 1) from the Porte Maillot Station, just outside the Palais des Congres, to the Hotel de Ville Station.

THURSDAY, APRIL 23, 2009

7:45 AM – 8:45 AM
SCIENTIFIC COUNCIL MEETINGS
Scientific Council on Pathology and Basic Science Meeting (Room 241)
Scientific Council on Infectious Diseases Meeting (Room 243)
Scientific Council on Mechanical Circulatory Support Meeting (Salle Maillot)
Scientific Council on Pulmonary Hypertension Meeting (Room 242AB)

9:00 AM – 11:00 AM
PLENARY SESSION (Main Theatre)
Chairs: Paul A. Corris, MB, FRCP and John O’Connell, MD

9:00 AM (141) Featured Abstract: Can C4d Staining Alone Predict Acute Antibody-Mediated Rejection in Heart Transplants?; C.D. Tan¹, G.G. Sokos², D.J. Pióśdell³, G. Gonzalez-Stawinski⁴, D.O. Taylor⁵, R.C. Starling⁶, E.R. Rodriguez⁰¹⁴ Cleveland Clinic, Cleveland, OH; ¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH; ³Cleveland Clinic, Cleveland, OH; ⁴Cleveland Clinic, Cleveland, OH

9:15 AM (142) Featured Abstract: The Role of Alloantibody in the Development of Cardiac Allograft Vasculopathy; A.J. Gareau¹, B. Nashan¹, T.D.G. Lee¹,²,³ Dalhousie University, Halifax, NS, Canada; ²Dalhousie University, Halifax, NS, Canada; ³Dalhousie University, Halifax, NS, Canada

9:30 AM
Invited Lecture: The Emerging Role of B Cells in Chronic Allograft Rejection, Mohamed H. Sayegh, MD, Brigham & Women’s Hospital, Boston, MA

10:00 AM (143) Featured Abstract: Lung Resident Mesenchymal Stem Cells in Bronchoalveolar Lavage – A Novel Marker of Immune-Mediated Injury in Human Lung Transplant Recipients; V.N. Lama, L. Badri, L. Liu, K. Chan, D.J. Pinsky, F.J. Martinez, S. Murray University of Michigan, Ann Arbor

10:15 AM (144) Featured Abstract: The CCR7 Ligand CCL21 Recruits a CCR7+ Treg Population to the Lung Allograft That Prevents Development of Bronchiolitis Obliterans Syndrome; A. Gregson¹, S. Weigt², R. Elashoff³, O. Yang¹, J. Belperio¹² UCLA, Los Angeles, CA; ¹UCLA, Los Angeles, CA; ²UCLA, Los Angeles, CA

10:30 AM Invited Lecture: Mechanisms of Graft Destruction by Antibodies, Elaine F. Reed, PhD, UCLA Immunogenetics Center, Los Angeles, CA

11:00 AM – 11:30 AM
Coffee Break/View Posters/View Exhibits (Hall Maillot)

11:00 AM – 7:30 PM
Exhibit Hall Open (Hall Maillot)

11:30 AM – 1:00 PM
CONCURRENT SESSION 7: Outcomes in Clinical Heart Transplantation (Main Theatre)
Chairs: Nicholas R. Banner, FRCP and Edwin C. McGee, Jr., MD

11:30 AM (145) Quantitative Donor Risk Index Predicts Mortality in Orthotopic Heart Transplantation; E.S. Weiss¹, J.G. Allen¹, S.D. Russell², W.A. Baumgartner³, J.V. Conte¹, A.S. Shah¹ ¹The Johns Hopkins University School of Medicine, Baltimore, MD; ²The Johns Hopkins University School of Medicine, Baltimore, MD

11:45 AM (146) Cancelled

12:00 PM (147) Outcomes of Heart Transplantation for Peripartum Cardiomyopathy: Analysis of the United Network for Organ Sharing (UNOS) Database; K.D. Rasmussion¹,², D.G. Renlund¹,², B.D. Horne¹, K.D. Brunisholz¹, S.A. Brush¹, P.W. Fisher¹, M.M. Endo¹, B.C. Miller¹, J.J. Connolly¹, J. Stahlik¹, A.G. Kfoury¹ Intermountain Medical Center, Salt Lake City, UT; ¹College of Nursing, Salt Lake City, UT; ²University of Utah, Salt Lake City, UT; ³George E. Wahlen Veterans Affairs Medical Center, Salt Lake City, UT
12:15 PM (148) Serum SMARCAL1 Concentrations in Donors Predict Primary Graft Dysfunction in Cardiac Transplantation; S. Aharinejad, O. Andrukhova, M. Gmeiner, A. Zuckermann, D. Zimpfer, A. Thomas, M. Grimm
1Medical University of Vienna, Vienna, Austria; 2Medical University of Vienna, Vienna, Austria

1University of Utah/VA SLC HCS, Salt Lake City, UT; 2United Network for Organ Sharing, Richmond, VA; 3Cleveland Clinic Foundation, Cleveland, OH; 4International Society for Heart and Lung Transplantation, Addison, TX

12:45 PM (150) Short- and Long-Term Survival of Combined Heart-Kidney Transplants Performed in the United States; S. Lee, J. Connett, M. Colvin-Adams
1University of Minnesota, Minneapolis, MN; 2University of Minnesota, Minneapolis, MN

11:30 AM – 1:00 PM
CONCURRENT SESSION 8: Approaches to Treating and Diagnosing BOS (Blue Theatre)

1St.Vincent's Hospital, Sydney, NSW, Australia; 2St.Vincent's Hospital, Sydney, NSW, Australia

11:45 AM (152) Bronchiolitis Obliterans Syndrome: Do Uncultured Bacterial Species Play a Role?; T.W.V. Daniels, G.B. Rogers, B. Banarjee, J.F. Fraser, P.M.A. Hopkins, F.D. Kermeen, M. Musk, A. Corley, K.D. Bruce, D.C. Chambers
1Prince Charles Hospital, Brisbane, Queensland, Australia; 2Kings College London, London, United Kingdom; 3Royal Perth Hospital, Perth, Western Australia, Australia; 4Prince Charles Hospital, Brisbane, Queensland, Australia

12:00 PM (153) Randomized, Double-Blind, Placebo-Controlled Trial of Azithromycin in Lung Transplantation: First Interim Results; R. Vos, B.M. Vanaudenaerde, S.I. Si De Vleeschauwer, A. Schoonis, D.E. Van Raemdonck, L.J. Dupont, G.M. Verleden Katholieke Universiteit Leuven and University Hospital Gasthuisberg, Leuven, Belgium

1University of Chicago Medical Center, Chicago, IL; 2University of Pennsylvania Medical Center, Philadelphia, PA; 3University of Florida Medical Center, Gainesville, FL; 4University of Texas Galveston, Galveston, TX; 5Columbia University Medical Center, New York, NY; 6Loyola University Medical Center, Maywood, IL; 7University of Wisconsin Medical Center, Madison, WI; 8University of Oklahoma, Oklahoma City, OK; 9Baylor Medical Center, Houston, TX

12:30 PM (155) Clinical and Immunological Evaluation of Azithromycin in Bronchiolitis Obliterans Syndrome (BOS) after Lung Transplantation; N. Solari, M. Morosini, A. Cascina, T. Oggiannoni, A.M. D’Armini, A.M. Fietta, F. Meloni
1University of Pavia Foundation IRCCS San Matteo Pavia, Pavia, Italy; 2University of Pavia Foundation IRCCS San Matteo Pavia, Pavia, Italy

12:45 PM (156) The Efficacy of Photopheresis in Lung Transplantation; M.R. Morrell, E.P. Trulock, R.R. Hachem
Washington University/Barnes-Jewish Hospital, St. Louis, MO

1:00 PM (157) Right Ventricular Cell Transplantation Attenuates Impaired LV-Contractility, Modulates Gene Expression Profile and Angiogenesis in Non-Ischemic Cardiomyopathy; J. Garbade, M. Arsalan, H. Aupperle, H.B. Bittner
1Montefiore-Einstein Heart Center, New York, NY; 2Harvard Medical School, Boston, MA
12:15 PM (160) Human Cord Blood Derived Stem Cells Improve Left Ventricular Function and High Energy Phosphates in a Porcine Model of Myocardial Infarction; B.A. Bruckner1, A. Ghodsisad1, B. Fahn1, M. Karck2, G. Kogler3, H.M. Kline4, A. Haeverich5, R. Schulz2, M. Loebe1, M. Reardon1, I. Gregoric1, A. Ruhanwar2 1Methodist DeBakey Heart Center, Houston, TX; 2University of Heidelberg, Heidelberg, Germany; 3University of Duesseldorf, Dusseldorf, Germany; 4University of Duesseldorf, Dusseldorf, Germany; 5Medical School of Hannover, Hannover, Germany; 6University of Essen Medical School, Essen, Germany

12:30 PM (161) Stem Cells Homing, Ventricular Remodeling and Plasma Brain Natriuretic Peptide in Heart Failure; C. Castellani1, B. Ravara2, V. Gobbo2, M. Piccoli3, C. Franzin3, M. Pozzobon3, R. Vettor3, G. Thieme1, L. Dalla Libera4, G. Vescovo5, A. Angelini1 1University of Padua, Padua, Italy; 2University of Padua, Padua, Italy; 3University of Padua, Padua, Italy; 4University of Padua, Padua, Italy; 5University of Padua, Padua, Italy; 6Children's Hospital Boston, Boston, MA, 7Children's Hospital Boston, Boston, MA

12:45 PM (162) Self Renewal Gene Networks in Bronchioalveolar Stem Cells (BASCs); J. Dong

11:30 AM – 1:00 PM
CONCURRENT SESSION 10: Pediatric Thoracic Transplantation: MCS and Rejection (252AB)

11:30 AM (163) Safety and Efficacy of Extra-Corporeal Membrane Oxygenation for Bridge-to-Heart Transplantation in Children: Analysis of Data from the Extra-Corporeal Life Support (ELSO) Registry; C.S.D. Almond1, T.P. Singh1, K. Gauvreau1, R. Bartlett2, P. Rykus3, F. Fynn-Thompson3, R.R. Thiagarajan1 1Children's Hospital Boston, Boston, MA; 2University of Michigan, Ann Arbor, MI; 3Children's Hospital Boston, Boston, MA

11:45 AM (164) Mechanical Bridging to Heart Transplantation in Children <10 kg; A. Karimova1, C. VanDoom2, K. Brown1, M. Burch3, A. Goldman1, A. Hoskote1 1Great Ormond Street Hospital for Children, London, United Kingdom; 2Great Ormond Street Hospital for Children, London, United Kingdom; 3Great Ormond Street Hospital for Children, London, United Kingdom

12:00 PM (165) A Single Episode of Minimal Acute Rejection after Lung Transplantation – Does It Matter in Children?; C. Benden1, A. Faro5, S. Worley5, S. Arrigain5, P. Aurora6, M. Ballmann7, D. Boyer5, C. Conrad5, I. Eichler5, O. Elidemir5, S. Goldfarb10, G.B. Mallory9, P.J. Mogayzel11, D. Parakininkas12, M. Solomon13, G. Visner6, S.C. Sweet1, L.A. Danziger-Isakov3 1University Hospital Zurich, Zurich, Switzerland; 2Washington University School of Medicine, Washington, MO; 3Cleveland Clinic, Cleveland, OH; 4Institute of Child Health, London, United Kingdom; 5Hannover Medical School, Hannover, Germany; 6Havard Medical School, Boston, MA; 7Stanford University, Palo Alto, CA; 8Medical University Vienna, Vienna, Austria; 9Baylor College of Medicine, Houston, TX; 10Children's Hospital of Philadelphia, Philadelphia, PA; 11The Johns Hopkins Medical Institutions, Baltimore, MD; 12Medical College of Wisconsin, Milwaukee, WI; 13Hospital for Sick Children, Toronto, ON, Canada

12:15 PM (166) Renin Angiotensin Aldosterone (RAAS) Gene Polymorphisms Mediate Cardiac Allograft Dysfunction through Cytokine Upregulation in Pediatric Patients; C. Manlhiot1, S.R. Auerbach2, B.W. McCrindle1, A.I. Dipchand1, C. Kinnear1, J.M. Chen2, D. Gruber2, L.J. Addonizio6, W.K. Chung2, S. Mital1 1The Hospital for Sick Children, University of Toronto, Toronto, ON, Canada; 2Morgan Stanley Children's Hospital of New-York Presbyterian, Columbia University, New York, NY

12:30 PM (167) The Presence of Cardiac Allograft Vasculopathy in Infant and Pediatric Heart Transplant Recipients: A 10-Year Intravascular Ultrasound Study; M.A. Kuhn1, R.E. Chinnock4, D.D. Deming5, A.J. Razzouk6, L.L. Bailey3 1Loma Linda University Medical Center and Children's Hospital, Loma Linda, CA; 2Loma Linda University Medical Center and Children's Hospital, Loma Linda, CA; 3Loma Linda University Medical Center and Children's Hospital, Loma Linda, CA; 4Loma Linda University Medical Center and Children's Hospital, Loma Linda, CA

12:45 PM (168) Decline in Rejection in the First Year after Pediatric Cardiac Transplantation: A Multi-Institutional Study; J.G. Gossett1, C.E. Canter2, Z. Zheng3, K.B. Schechtman3, E.D. Blume1, S. Rodgers1, J. Scheel5, J. Fricker5, P.F. Kantor7, E. Pahl1 1Children's Memorial Hospital, Chicago, IL; 2Washington University School of Medicine, Saint Louis, MO; 3Washington University School of Medicine, Saint Louis, MO; 4Children's Hospital Boston, Boston, MA; 5Johns Hopkins Hospital, Baltimore, MD; 6University of Florida, Gainesville, FL; 7Hospital for Sick Children, Toronto, ON, Canada

11:30 AM – 1:00 PM
CONCURRENT SESSION 11: Organ Preservation (242 AB)

Chairs: Paul Mohacsi, MD and Kenneth R. McCurry, MD
11:30 AM (169) Carbon Monoxide Inhalation Reduces Pulmonary Ischemia Reperfusion Injury in Miniature Swine; H. Sahara1, M. Okumi1, M. Oku1, K. Setoyama1, A. Shimizu2, K. Yamada3, Frontier Science Research Center, Kagoshima University, Kagoshima, Japan; 4Nippon Medical School, Tokyo, Japan

11:45 AM (170) Ex Vivo Adenoviral Mediated IL-10 Gene Therapy (AdhIL-10) Improves Lung Function with a Reduced Vector Associated Inflammatory Response; J.C. Yeung, D. Wagnetz, M. Cypel, M. Rubacha, J. Chung, D. Hwang, T.K. Waddell, M. Liu, S. Keshavjee University of Toronto, Toronto, ON, Canada

12:00 PM (171) The Influence of Oxygen Concentration and Inflation Pressure during Ischemia on Lung Ischemia Reperfusion Injury; N.P. van der Kaaij1, J. Kluin1, R.A. Lachmann1, M.A. den Bakker2, J.J. Haitsma3, B.N. Lambrecht5, R.W.F. de Bruin1, B. Lachmann1, A.J.J.C. Bogers1, Erasmus MC, Rotterdam, Netherlands; 2UMC Utrecht, Utrecht, Netherlands; 3Erasmus MC, Rotterdam, Netherlands; 4Erasmus MC, Rotterdam, Netherlands; 5Erasmus MC, Rotterdam, Netherlands

12:15 PM (172) Recipient Hypertonic Saline Infusion Prevents Cardiac Allograft Dysfunction; D. Ramzy, L.C. Tumiati, M. Badiwala, E. Tepperman, R. Sheshgiri, V. Rao Toronto General Hospital, Toronto, ON, Canada

12:45 PM (174) Maintenance of Human Heart Oxidative Metabolism after 12 Hour Perfusion Preservation; M. Cobert, M. Peltz, L. West, M.E. Jessen University of Texas Southwestern Medical Center at Dallas, Dallas, TX

11:30 AM – 1:00 PM CONCURRENT SESSION 12: Quality of Life in Transplantation "Bonjour La Vie"? (241)

11:30 AM (175) Post-Lung Transplant Health-Related Quality of Life: Perception and Reality; L.G. Singer1,2, N. Chowdhury2, C. Chaparro1,2, M.A. Hutcheon1,2 University of Toronto, Toronto, ON, Canada; 3University Health Network, Toronto, ON, Canada

11:45 AM (176) Health-Related Quality of Life in Long-Term Survivors after Heart and Lung Transplantation: A Comparative Cohort Study; C. Kugler1, U. Tegtbur2, J. Gottlieb3, C. Bara1, D. Malehsa1, T. Fuehner3, M. Strueber1, A. Haverich1, A. Simon2,1Hannover Medical School, Hannover, Germany; 2Hannover Medical School, Hannover, Germany; 3Institute of Sports medicine, Hannover Medical School, Hannover, Hannover, Germany

12:00 PM (177) LVAD Therapy: Impact of Family Caregivers’ Stress, Coping, Social Support on Perceived Burden Quality of Life (QOL); M. Petty1, K. Savik2 University of Minnesota Med. Center, Fairview, Minneapolis, MN; 2University of Minnesota, Minneapolis, MN

12:15 PM (178) The Relationship of Social Support and Quality of Life 5 to 10 Years after Heart Transplantation; C. White-Williams1, K.L. Grady3, E.C. Wang2, D.C. Naftel3, B. Rybarczyk4, J.B. Young5, D. Pelegrin5, S. Myers3, J. Kirklinc, J. Czerr7, J. Kobashigawaa1, J. Chait6, A. Heroux1, R. Higgins8 University of Alabama, Birmingham, AL; 3Northwestern Memorial Hospital, Chicago, IL; 4University of Alabama, Birmingham, AL; 5Virginia Commonwealth University, Richmond, VA; 6The Cleveland Clinic, Cleveland, OH; 7UCLA Medical Center, Los Angeles, CA; 8Loyola University Medical Center, Chicago, IL; 9Rush University Medical Center, Chicago, IL

12:30 PM (179) Impact of Donor-Transmitted Coronary Atherosclerosis on Quality of Life and Quality-Adjusted Life Years after Heart Transplantation; O. Grauhan1, H. Chang2, W. Albert1, N. Hiemann1, R. Meyer1, H. Lehmkuhl1, M. Dandel1, C. Knosalla1, M. Hubler1, M. Pasic1, R. Hetzer1 German Heart Institute Berlin, Berlin, Germany; 2Taipeh Veterans General Hospital, Taipei, Taiwan

12:45 PM (180) What They Say Versus What We See: ‘Hidden’ Distress and Impaired Quality of Life in Heart Transplant Recipients; S. Abbey1, E. De Luca1, O. Mauthner1, P. Mc Keever2, M. Shildrick3, J. Poole4, H.J. Ross1 University Health Network, Toronto, Canada; 2University of Toronto, Toronto, Canada; 3Queen’s University Belfast, Belfast, Ireland; 4Ryerson University, Toronto, Canada

1:00 PM - 1:15 PM BOX LUNCH PICK-UP (box lunches may be picked up in the Registration Area; advance registration and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Blue Theatre)
1:15 PM – 2:45 PM
LUNCH SYMPOSIUM: Die Another Day: New Perspectives on Cardiac Allograft Vasculopathy (Main Theater)
Supported by an Educational Grant from Novartis
(ticket required for box lunch only; symposium open to all meeting delegates)
Chairs: Joren Madsen, MD, D.Phil and Hannah Valantine, MD

1:15 PM Progenitor Cells: First Settlers of Cardiac Allograft Vasculopathy, Christian Weber, Institute for Molecular Cardiovascular Research IMCAR, Aachen, Germany

1:30 PM Platelets as Underestimated Effectors, Stephan M. Ensminger, MD, PhD, University of Erlangen-Nurnberg, Erlangen, Germany

1:45 PM Debate: mTOR Inhibitors Should Be the Standard of Care in Preventing and Treating Cardiac Allograft Vasculopathy
Pro: Hans B. Lehmkuhl, MD, Deutsches Herzzentrum Berlin, Germany
Con: Josef Stehlik, MD, MPH, University of Utah, Salt Lake City, UT

MINI-ORAL SESSION 1 (Blue Theatre)

1:15 PM (181) Early Neurological Adverse Events (NAE) after Pulsatile VAD Implantation in 455 Patients: Incidence, Severity and Outcome; R.L. Kormos1, J.K. Kirklin2, D.C. Naftel2, J.B. Young3, M. Acker4, M. Jessup4, V. Jeevanandam5, T.L. Baldwin6, M. Camacho6, D.D. Aschem6 1University of Pittsburgh, Pittsburgh, PA; 2University of Alabama, Birmingham, AL; 3Cleveland Clinic Foundation, Cleveland, OH; 4University of Pennsylvania, Philadelphia, PA; 5University of Chicago, Chicago, IL; 6National Heart, Lung and Blood Institute, Bethesda, MD; 7Newark Beth Israel Medical Center, Newark, NJ; 8Columbia University, New York, NY

1:20 PM (182) The Effects of Left Ventricular Assist Device (LVAD) Unloading on Cardiac Sympathetic Innervation; R.S. George1, M.H. Yacoub2, A. Cheetham2, R. Manlapig3, A. Khaghani2, A. Kelion2, E.J. Birks1 1Royal Brompton and Harefield NHS Trust, Uxbridge, Middlesex, United Kingdom; 2Royal Brompton and Harefield NHS Trust, Uxbridge, Middlesex, United Kingdom; 3Imperial College, Uxbridge, Middlesex, United Kingdom

1:25 PM (183) Limited Surgical Approaches for LVAD Explant Following Myocardial Recovery Are Associated with Low Morbidity and Improved Outcome; S. Haj-Yahia1,2, R. George2, S. Waligorski1, G. Dreyfus1, M. Amrani1,2, M. Yacoub2, A. Khaghani1,2 1Royal Brompton Harefield Hospital, London, United Kingdom; 2National Cardiovascular Centre, Suita, Osaka, Japan

1:30 PM (691) Myocardial Hypertrophy at Implantation Correlates with Duration of Left Ventricular Assist Device Support; A.M. Segura, O.H. Frazier, L.M. Buja Texas Heart Institute at St. Luke’s Episcopal Hospital, Houston, TX

1:35 PM (185) WITHDRAWN


1:45 PM (187) Predicting Factors for Inotropic Dependency after Left Ventricular Assist Device Implantation; I. Nakajima1, T.S. Kato2, N. Oda2, M. Yanase2, K. Komamura2, T. Nakatani2 1National Cardiovascular Center, Suita, Osaka, Japan; 2National Cardiovascular Center, Suita, Osaka, Japan

1:50 PM (188) Off Pump Placement of Implantable LVADs Results in Significant Reductions of Transfusion Requirements and Re-Exploration for Hemorrhage; L.B. Louis1, C.B. Sai-Sudhakar1, P.A. Vesco1, M.S. Firstenberg, A.K. Hasan2, B.C. Sun1 1The Ohio State University, Columbus, OH; 2The Ohio State University, Columbus, OH

1:55 PM (189) Right Ventricle Dysfunction Persists after 3 Months of LVAD Support on Current Therapies; M. Palardy, N. Lakdawala, M. Kato, P.M. Campbell, M.M. Givertz, C.W. May, G.S. Couper, P.S. Shekar, G.C. Stewart, W.A. Alhabeeb, C.M. Smith, L.M. Griffin, G.H. Mudge, L.W. Stevenson Brigham and Women’s Hospital, Boston, MA

2:05 PM (191) Occurrence of Ventricular Arrhythmias in Patients with a Continuous Flow Left Ventricular Assist Device (Heartmate II); M. Andersen, R. Videbaek, S. Boesgaard, K. Sander, P.B. Hansen, F. Gustafsson. Rigshospitalet, Copenhagen, Denmark


2:15 PM (193) Long-Term Support with a Bi-Ventricular Assist Device – A Single Center Experience; P. Sfrakis, A. Gkouziouta, L. Tsourelis, D. Zarkalis, E. Leontiadis, L. Louca, G. Stavridis, P.A. Alivizatos. Onassis Cardiac Surgery Center, Athens, Greece; Onassis Cardiac Surgery Center, Athens, Greece; Onassis Cardiac Surgery Center, Athens, Greece


1:15 PM – 2:45 PM
MINI-ORAL SESSION 2 (252 AB)

1:15 PM (197) 27-Year Experience with Combined Heart-Lung Transplantation at Stanford University; T. Deuse, R. Sista, F. Haddad, D. Weill, G. Dhillon, D. Tang, H. Mallidi, S. Hunt, P. Oyer, R.C. Robbins, B.A. Reitz. Stanford University, Stanford, CA; Stanford University, Stanford, CA; Stanford University, Stanford, CA

1:20 PM (198) Donor Outcome after Living-Donor Lobar Lung Donation: 93 Donor Lobectomies in a Single-Center Experience; Y. Sano, T. Oto, M. Yamane, S. Toyooka, M. Okazaki, M. Okazaki, S. Kasahara, S. Sano. Okayama University Hospital, Okayama, Japan; Okayama University Hospital, Okayama, Japan

1:25 PM (199) Survival Benefit of Contemporary Lung Transplantation in Patients with IPF; S. Bastani, W. Sherman, R. Mahidhara, D. Ross, R. Saggar, J. Lynch, D. Zisman, J. Belperio, A. Ardehali. David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

1:30 PM (200) Clinical Experience with the Use of Virtual Crossmatch in Adult Lung Transplantation; C. Bermudez, A. Girnita, F. Avila, A. Zeevi, M. Crespo, J. Pilewski, G. Speziali, B. Johnson, D. Zaldonis, Y. Toyoda. University of Pittsburgh Medical Center, Pittsburgh, PA

1:35 PM (201) The Outcome of Conventional Lung Volume Reduction Surgery Significantly Exceeds That of Lung Transplantation for Emphysema; H.E. Seale, J. Walsh, M.N. Windsor, S.C. Bell. The Prince Charles Hospital, Brisbane, Qld, Australia; The Prince Charles Hospital, Brisbane, Qld, Australia

1:40 PM (202) Lung Transplantation (LT) from Non-Heart Beating Donors (NHBD): The Harefield Experience; S. Haj-Yahia, T. Bahrami, A. Khagani, M. Amrani, N. Crouch, B. Soleimani, M. Carby, M. Petrou. Royal Brompton Hospital, London, United Kingdom; Imperial College London, London, United Kingdom

1:45 PM (203) Combined Lung Liver Transplantation in Cystic Fibrosis Population: A French Experience Update; R. Souillamas, O. Scatton, P. Sogni, Y. Calmus, R. Kanaan, R. Guillemain, V. Boussaud, P. Chevalier, C. Amrein, O. Soubrane. European Georges Pompidou Hospital, Paris, France; Cochin Hospital, Paris, France; Cochin Hospital, Paris, France
1:50 PM (204) WITHDRAWN

1:55 PM (205) Clinical Evolution of a Mechanical Bridge to Pulmonary Transplantation; C. Hoopes University of California San Francisco, San Francisco, CA


2:05 PM (207) Comparison of Outcomes from Smoking and Non-Smoking Donors – 13-Year Experience; M. Berman, K. Goldsmith, K. Dhital, S.S. Tsui, J.S. Parmar Papworth Hospital, Papworth Everard, Cambridge, United Kingdom; Papworth Hospital, Papworth Everard, Cambridge, United Kingdom

2:10 PM (208) Mucosal Integrin Expressing CD8 Lymphocytes Infiltrate Small Airways during Episodes of Acute Lung Allograft Rejection – Link between Rejection and BOS?; D.C. Chambers, P.M.A. Hopkins, F. Kermeen, J. Ahem, G. Hodge, P. Reynolds, M. Holmes, S. Hodge. The Prince Charles Hospital, Brisbane, Queensland, Australia; Hanson Institute, Adelaide, South Australia, Australia; Royal Adelaide Hospital, Adelaide, South Australia, Australia

2:15 PM (209) Sirolimus Is Associated with an Increase Risk of Venous Thromboembolism in Lung Transplantation; P.J. McShane, S.M. Bhorade, M. Baz, V. Valentine, S. Arcasoy, R. Love, H. Seetharamaju, E. Garrity, C. Alex, R. Bag, A. deOliveira, W. Vigneswaran, J. Charbeneau, J. Krishnan, R. Durazo, V. Ahya. University of Chicago Medical Center, Chicago, IL; University of Florida, Gainesville, FL; University of Texas Medical Center, Galveston, TX; Columbia University Medical Center, New York, NY; Loyola University Medical Center, Maywood, IL; Baylor University Medical Center, Houston, TX; University of Oklahoma Medical Center, Oklahoma City, OK; University of Wisconsin Medical Center, Madison, WI; University of Pennsylvania Medical Center, Philadelphia, PA

2:20 PM (210) Bacterial Isolation from Respiratory Specimens and the Risk of Bronchiolitis Obliterans Syndrome; M.R. Morrell, E.P. Trulock, R.R. Hachem Washington University/Barnes-Jewish Hospital, St. Louis, MO

2:25 PM (211) Survival of Lung Transplant Recipients with Concomitant Myocardial Revascularization; D.G. Rabkin, S. Bastani, R.S. Mahidhara, D.J. Ross, R. Saggiar, J.P. Lynch, C.T. Hunter, M.A. Hamilton, A. Ardehali. UCLA Medical Center, Los Angeles, CA; UCLA Medical Center, Los Angeles, CA

1:15 PM – 2:45 PM MINI-ORAL SESSION 3 (242 AB)
Chairs: Fabienne Dobbels, MSc, PhD and Savitri E. Fedson, MD

1:15 PM (212) Evaluation of Six Prognostic Models in 80 Heart Failure Patients with a Fatal Heart Failure Admission; A.L. Nutter, T. Tanawuttiwat, M.A. Silver. University of Iowa, Iowa City, IA; Heart Failure Institute, Advocate Christ Medical Center, Oak Lawn, IL

1:20 PM (213) Hospice Indicated for Inotrope-Dependent Heart Failure Patients Unable To Receive Transplantation or Ventricular Assist Device; E.C. Chu, E.Z. Gorodeski, J.R. Reese, J.M. Fink, R.C. Starling. Cleveland Clinic, Cleveland, OH


1:35 PM (216) Risk Stratification for Dilated Cardiomyopathy; the Decisive Role of Cardiovascular MRI Delayed Hyperenhancement (DHE); J.V. Venero, S. Murrali, M. Doyle, V.K. Rath, S.B. Grant, J.A. Yamrozik, R.B. Williams, D.A. Vido, G. Rayaraa, R.W. Biederman Allegheny General Hospital, Pittsburgh, PA

1:40 PM (217) Cardiac Fibrosis Correlates with the Degree of Reverse Remodeling after Restrictive Mitral Annuloplasty in Patients with Idiopathic Dilated Cardiomyopathy; S. Saito, G. Matsumiya, T. Sakaguchi, T. Fujita, T. Yamauchi, K.
Takeda¹, T. Kuratai¹, H. Ichikawa¹, K. Taniguchi², T. Masai³, Y. Sawa¹ ¹Osaka University Graduate School of Medicine, Suita, Osaka, Japan; ²Osaka Rosai Hospital, Sakai, Osaka, Japan; ³Sakurabashi Watanabe Hospital, Osaka, Japan

1:45 PM (218) It There Still a Role for Undersized Mitral Annuloplasty for Mitral Regurgitation in End-Stage Dilated Cardiomyopathy: Single Centre Long Term Follow-Up; G. Bruschi, T. Colombo, S. Trunfio, E. Ribera, C. Russo, F. Turazza, F. Oliva, M. Frigerio, L. Martinelli Niguarda Ca' Granda Hospital, Milan, Italy

1:50 PM (219) Quality of Life in Patients Surviving Greater Than One Year after Left Ventricular Assist Device Placement; J.G. Allen¹, E.S. Weiss¹, J.M. Schaffer¹, N.D. Patel¹, S.D. Russell², A.S. Shah¹, J.V. Conte¹ ¹Johns Hopkins University School of Medicine, Baltimore, MD; ²Johns Hopkins University School of Medicine, Baltimore, MD


2:00 PM (221) Prediction of Post VAD Implant ICU Outcome by Easy Accessible Clinical Parameter; S. Klotz, C. Riehl, A. Hoffmeier, J. Sindermann, H.H. Scheld University Hospital Muenster, Muenster, Germany

2:05 PM (222) Prospective Study on Development of Quality of Life and Exercise Tolerance after Implantation of Left Ventricular Assist Devices; C. Kugler¹, D. Malehsa¹, U. Tegtbuer³, C. Bara¹, E. Guetzlaff³, A. Simon³, A. Meyer³, A. Haverich⁴, M. Strueber⁴ ¹Hannover Medical School, Hannover, Germany; ²Institute of Sportsmedicine, Hannover Medical School, Hannover, Germany

2:10 PM (223) Brain Gray Matter Loss in Heart Failure Is Gender-Dependent; M.A. Woo¹, R. Kumar², P.M. Macey², G.C. Fonarow³, M.A. Hamilton³, R.M. Harper² ¹University of California at Los Angeles, Los Angeles, CA; ²University of California at Los Angeles, Los Angeles, CA; ³University of California at Los Angeles, Los Angeles, CA

2:15 PM (224) High-Risk Sexual Activity and Complications of Adolescent Cardiothoracic Transplant Recipients; M. Carson, D. Guadiz, C. Buckley, M.S. Woo Children’s Hospital Los Angeles, Los Angeles, CA

2:20 PM (225) The Impact of Non-Compliance (NC) on Survival after Heart Transplantation (HT): A Multi-Institutional Study; C. White-Williams¹, M. Collier², M. Flattery¹, K. Law¹, C. Laxson¹, A. Schlemm¹, K. St. Clair¹, R.N. Brown², J.K. Kirklin¹ ¹University of Alabama at Birmingham, Birmingham, AL; ²Sentara Norfolk General Hospital, Norfolk, VA; ³Medical College of Virginia, Richmond, VA; ⁴Medical University of South Carolina, Charleston, SC; ⁵University of Iowa Hospitals and Clinics, Iowa City, IA; ⁶Aurora St. Luke’s Medical Center, Milwaukee, WI; ⁷Mid America Heart Institute of St. Luke’s Hospital, Kansas City, MO; ⁸University of Alabama at Birmingham, Birmingham, AL; ⁹University of Alabama at Birmingham, Birmingham, AL

2:25 PM (226) Hemodynamic Features Which Distinguish Diastolic Dysfunction (DD) from Pulmonary Arterial Hypertension (PAH); P.J. Engel¹, R.P. Baughman², L. Taylor¹ ¹The Christ Hospital, Ohio Heart Vascular Center, Cincinnati, OH; ²Univ Cincinnati, Cincinnati, OH

1:15 PM – 2:45 PM MINI-ORAL SESSION 4 (241)


1:20 PM (228) REVEAL Registry: Comparison of Patients with Childhood-Onset and Adult-Onset Idiopathic Pulmonary Arterial Hypertension; R.J. Barst¹, D. Ivy², D.B. Badesch³, R.L. Benza³, C.G. Elliott³, H.W. Farber³, A.E. Frost³, A. Krichman³, T.G. Liou³, G.E. Raskob¹⁰, P. Wason¹¹, K. Feldkircher¹¹, A.J. Foreman¹², M.D. McGoon¹³ ¹Columbia University College of Physicians & Surgeons, New York, NY; ²University of Colorado Denver School of Medicine, The Children’s Hospital, Aurora, CO; ³University of Colorado Health Sciences Center, Aurora, CO; ⁴Allegheny General Hospital, Pittsburgh, PA; ⁵Intermountain Medical Center, Murray, UT; ⁶Boston University School of Medicine, Boston, MA; ⁷Baylor College of Medicine, Houston, TX; ⁸Duke University Medical Center, Durham, NC; ⁹University of Utah, Salt Lake City, UT; ¹⁰University of Oklahoma Health Sciences Center, Oklahoma City, OK; ¹¹Actelion Pharmaceuticals US, Inc., South San Francisco, CA; ¹²ICON Clinical Research, San Francisco, CA; ¹³Mayo Clinic, Rochester, MN
1:25 PM (229) Clinical Benefits of Pharmacological Therapy in Exercise Induced Pulmonary Arterial Hypertension; M.H. Park, G.V. Ramani, W.J. Kop, P.A. Uber, M.R. Mehra University of Maryland, Baltimore, MD

1:30 PM (230) Pulmonary Hemodynamics in Patients with Obstructive Sleep Apnea Syndrome: Results in Patients Undergoing Right Heart Catheterization; O.A. Minai, B. Ricaurte, R. Kaw, J.K. Stoller Cleveland Clinic, Cleveland, OH

1:35 PM (231) Twenty Years Experience of Heart Lung Transplantation for Pulmonary Vascular Disease; L.A. Tanner, N.J. Green, G. Parry, A. Hasan, J.H. Dark, P.A. Corris Newcastle University, Newcastle upon Tyne, United Kingdom; Freeman Hospital, Newcastle upon Tyne, United Kingdom

1:40 PM (232) Treatment of Pulmonary Hypertension Secondary to Left Heart Insufficiency with a Dual Endothelin Receptor Antagonist (Bosentan®) in Patients Awaiting Heart Transplantation; U. Schulz, G. Tenderich, S. Schulte-Eistrup, R. Koerfer Heart and Diabetes Center NRW, Bad Oeynhausen, NRW, Germany

1:45 PM (233) Prevalence and Risk Factors of Non-Adherence after Lung Transplantation; O.H. Bosma, K.M. Vermeulen, E.A. Verschuuren, M.E. Erasmus, W. Van der Bij University Medical Centre Groningen, Groningen, Netherlands; University Medical Centre Groningen, Groningen, Netherlands; University Medical Centre Groningen, Groningen, Netherlands


1:55 PM (235) Increased Resource Utilization and Financial Costs of Lung Transplantation after Implementation of the Lung Allocation Score; D.W. Zaas, S. Hawig, K. Ferrell, S.M. Palmer, R.D. Davis Duke University Medical Center, Durham, NC

2:00 PM (236) Removing Interleukin-8 by Adsorbent Membrane Does Not Improve Lung Function during Prolonged Ex-Vivo Lung Perfusion; T. Kakishita, T. Oto, S. Otani, S. Yamamoto, O. Yoshida, N. Waki, S. Hori, M. Okazaki, M. Yamane, S. Toyooka, Y. Sano Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

2:05 PM (237) A Novel Method of Ex Vivo Lung Preservation Assessment Using the Organ Care System (OCS); A. Abdelazim, R. Havener, R. Fishman, I. Abdel Fattah TransMedics, Andover; Cairo University, Cairo, Egypt

2:10 PM (238) Donor Lungs from Donation after Cardiac Death Have a Decreased Inflammatory Cytokine Profile Compared to Lungs from Brain Dead Donors; C.-H. Kang, M. Cypel, M. Sato, J. Yeung, M. de Perrot, T.K. Waddell, A. Pierre, M. Liu, S. Keshavjee Toronto General Hospital, Toronto, ON, Canada

2:15 PM (239) A Recombinant Human Neuregulin-1 Peptide Added to Celsior Solution Further Improves Preservation of the Transplanted Rat Heart after Prolonged Hypothermic Storage; A. Jabbour, L. Gao, J. Kwan, A. Watson, X. Liu, M.D. Zhou, R.M. Graham, M. Hicks, P.S. Macdonald St Vincent’s Hospital and Victor Chang Cardiac Research Institute, Sydney, NSW, Australia; Zensun (Shanghai) Sci Tech Co., Ltd, Shanghai, China

2:20 PM (240) Brain Death Induces Early Coronary but Not Pulmonary Artery Endothelial Dysfunction; A. Monmerot, B. Marcheix, M. Carrier, L.P. Perrault Montreal Heart Institute, Montreal, QC, Canada

2:25 PM (241) The Organ Care System (OCS) Enables Ex-Vivo Assessment of Donor Heart Coronary Perfusion Using Contrast Echocardiography; A.H. Hassanein, A. Elbatawany, A. Abdelaziem, S.D. Solomon Brigham Women’s Hospital, Boston, MA; TransMedics, Andover, MA

2:30 PM (242) Functional, Metabolic, and Morphological Aspects of Continuous, Normothermic Heart Preservation: Effects of Different Preparation and Perfusion Techniques; J. Garbade, C. Krautz, H. Aupperle, C. Ullmann, H.B. Bittner, S. Dhein, J.F. Gummert, F. W. Mohr Heart Center, University of Leipzig, Leipzig, Germany; Faculty of Veterinary Medicine, University of Leipzig, Leipzig, Germany; Friedrich-Schiller University Jena, Jena, Germany

3:00 PM – 4:30 PM CONCURRENT SESSION 13: ROLE OF ANTIBODIES IN HEART TRANSPLANTATION (Main Theatre)

3:15 PM (244) The Outcome of Treatment of 100% PRAs in Heart Failure Patients Awaiting Heart Transplantation; K. Kiyosaki, J. Kobashigawa, M. Kawano, A. Ankrom, J. Patel, M. Kittleson, E. Shao, A. Ardehali 1 David Geffen School of Medicine at UCLA, Los Angeles, CA; 2 David Geffen School of Medicine at UCLA, Los Angeles, CA; 3 David Geffen School of Medicine at UCLA, Los Angeles, CA

3:30 PM (245) HLA Alloantibodies Are Associated with Increased Inflammatory Transcript Expression in Cardiac Allograft Biopsies, and Related to Decreased Graft Function; B. Sis, D. Kim, M. Mengel, P. Campbell, T. Mueller, K. Famulski, J. Burton, W. Tymchak, J. Ezekowitz, I. Paterson, P. Halloran University of Alberta, Edmonton, AB, Canada

3:45 PM (246) Outcome of Retrospective Positive Donor Specific Crossmatch after Heart Transplantation: Are They Doomed?; M. Kawano, J. Kobashigawa, K. Kiyosaki, A. Ankrom, J. Patel, M. Kittleson, E. Reed, A. Ardehali 1 David Geffen School of Medicine at UCLA, Los Angeles, CA; 2 David Geffen School of Medicine at UCLA, Los Angeles, CA; 3 David Geffen School of Medicine at UCLA, Los Angeles, CA

4:00 PM (247) Transplantation of Donor Specific Antibody Positive, Crossmatch Negative (AHG/FCXM) Cardiac Allograft Recipients; R. Bogaev, J. George, O.H. Frazier, W.B. Etheridge, F. Raissi, L. Jacob, B. Kar, R. Delgado, P. Loyalka, I. Gregoric, R.H. Kerman 1 University of Pittsburgh Medical Center, Pittsburgh, PA; 2 University of Pittsburgh, Pittsburgh, PA; 3 David Geffen School of Medicine at UCLA, Los Angeles, CA

4:15 PM (248) HLA-Specific Antibody Strength and HLA Haplotype Frequency as Predictors for Responsiveness to Desensitization Protocols and Transplantability Rate in Heart Transplant Candidates; A.L. Girnita, C. Bermudez, J.J. Teuteberg, R. Kormos, G. Speziali, Y. Toyoda, T. Sabatine, K. Shoemaker, D. McNamara, L. Jelinek, J. Lomago, A. Zeevi University of Pittsburgh Medical Center, Pittsburgh, PA

3:00 PM – 4:30 PM CONCURRENT SESSION 14: Medical Management of MCS Patients (Blue Theatre)

3:00 PM (249) Postoperative Heparin Is Not Required in Transitioning Patients with HeartMate II LVAD to Long Term Warfarin Therapy; M.S. Slaughter, Y. Naka, R. John, A.J. Boyle, J.V. Conte, S.D. Russell, K.D. Aaronson, D.J. Farrar, F.D. Paggani 1 University of Louisville, Louisville, KY; 2 Columbia University, New York, NY; 3 University of Minnesota, Minneapolis, MN; 4 UCSF Heart and Vascular Center, San Francisco, CA; 5 Johns Hopkins University, Baltimore, MD; 6 University of Michigan, Ann Arbor, MI; 7 Thoratec Corporation, Pleasanton, CA

3:15 PM (250) Pre-VAD Implant Risk Factors Influence the Onset of Adverse Events (AEs) while on a VAD; R.L. Kormos, J.J. Teuteberg, M.P. Siegenthaler, S.A. Marc, J.J. Kay, C. Bermudez, K.L. Lockard, S. Winowich 1 University of Pittsburgh, Pittsburgh, PA; 2 University of Pittsburgh, Pittsburgh, PA

3:30 PM (251) Seven-Fold Stroke Reduction in Ventricular-Assist Device (VAD) Patients with Titrated Antiplatelet Therapy; E.N. Sorensen, T.A. Snyder, M.J. Lindsay, S.L. Moainie, E.D. Feller 1 University of Maryland Medical Center, Baltimore, MD; 2 Integris Baptist Medical Center, Oklahoma City, OK

3:45 PM (252) Increasing Pump-Speed of a Continuous Flow Left Ventricular Assist Device during Exercise Is Safe and Elevates Cardiac Output in Patients with End-Stage Heart Failure: A Double-Blind, Randomized Trial; A.S. Jensen, P. Brassard, N. Nordsborg, F. Gustafsson, J.E. Moeller, C. Hassager, S. Boesgaard, P.B. Hansen, K. Sander, P.S. Olsen, N.H. Secher, P.L. Madsen 1 Rigshospitalet, Copenhagen, Denmark; 2 Rigshospitalet, Copenhagen, Denmark; 3 Rigshospitalet, Copenhagen, Denmark

4:00 PM (253) Bleeding Exceeds Thromboembolism in Outpatients with Heartmate II Left Ventricular Assist Device: A Single Center Experience; S.M. Joseph, M. Wang, T. Guthrie, S. Arnold, N. Moazami, G.A. Ewald Washington University School of Medicine, Saint Louis, MO

4:15 PM (254) Early Infections after MCSD Implant in 455 Patients: Incidence, Location and Outcome; W.L. Holman, J.K. Kirklin, D.C. Naftel, R.L. Kormos, P. Desvign-Nickens, M. Camacho, D. Ascheim 1 University of Alabama at Birmingham, Birmingham, AL; 2 University of Pittsburgh, Pittsburgh, PA; 3 National Heart Lung and Blood Institute, Bethesda, MD; 4 Newark Beth Israel Medical Center, Newark, NJ; 5 Columbia University, New York, NY

3:00 PM – 4:30 PM
CONCURRENT SESSION 15: Prognosticating in Pulmonary Arterial Hypertension: Do We Have Enough Information? (Salle Maillot)
Chairs: Robert D. Levy, MD, FRCP (C) and Robert P. Frantz, MD

3:00 PM (255) Determinants of Early Post-Operative Mortality among Patients with Idiopathic Pulmonary Arterial Hypertension; C.A. Merlo, R.E. Girgis Johns Hopkins University School of Medicine, Baltimore, MD

3:15 PM (256) REVEAL Registry: Implications of Functional Class and Hemodynamics on Outcome in Patients with PAH; H.W. Farber¹, M.D. McGoon², R.L. Benza³, P. Wason⁴, D.P. Miller⁵, D.B. Badesch⁶ ¹Boston University School of Medicine, Boston, MA; ²Mayo Clinic, Rochester, MN; ³Allegheny General Hospital, Pittsburgh, PA; ⁴Actelion Pharmaceuticals US Inc., South San Francisco, CA; ⁵ICON Clinical Research, San Francisco, CA; ⁶University of Colorado Health Sciences Center, Aurora, CO

3:30 PM (257) The COMPASS-3 Study: Utilizing Hemodynamics and Non-Invasive Measures (c-MRI) To Evaluate Baseline Severity in Pulmonary Arterial Hypertension (PAH); H. Gupta⁷, F. Soto¹, M. Park⁴, S. Murali⁵, F. Torres⁶, R. Benza⁷ ¹Medical College of Wisconsin, Milwaukee, WI; ²Allegheny General Hospital, Pittsburgh, PA; ³University of Alabama at Birmingham, Birmingham, AL; ⁴University of Maryland, Baltimore, MD; ⁵Southwest Pulmonary Associates, Dallas

3:45 PM (258) Predictors of Clinical Worsening in Patients with PAH Treated with Bosentan; D.C. Vizza, R. Badagliacca, R. Poscia, E. Crescenzi, C. Gambardella, A. Nona, F. Fedele University of Rome La Sapienza, Rome, Italy

4:00 PM (259) Right Ventricle Systolic Function in Severe Pulmonary Hypertension: Echocardiographic Study with Longitudinal 2D-Strain; L. Unzue Vallejo, C. Jimenez, R. Tello de Meneses, A. Gonzalez, M. Riva, P. Escribano, C. Saenz de la Calzada Hospital 12 de Octubre, Madrid, Spain

4:15 PM (260) A Novel Method for Non-Invasive Estimation of Pulmonary Vascular Resistance in Patients with Pulmonary Arterial Hypertension; F. Haddad¹, R. Zamanian⁴, A.S. Beraud², T. Peterson³, I. Schnittger⁶, P. Yang³, D. Rosenthal¹ ¹Pediatric Cardiology, Stanford; ²Cardiovascular Medicine, Stanford; ³Internal Medicine, Stanford; ⁴Pulmonary Critical Care Medicine, Stanford

3:00 PM – 4:30 PM CONCURRENT SESSION 16: Primary Cardiac Allograft Failure: An Under-Reported But Frequently Fatal Problem (252 AB)
Chairs: G. Michael Felker, MD and Angela Rajek, MD

3:00 PM (261) A Novel Primary Graft Failure Risk Score in Heart Transplantation; J. Segovia, J.M. Barcelo, M. Gomez-Bueno, M. Cobo, P. Garcia-Pavia, J. Mirelis, E. Sufrate, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain

3:15 PM (262) Primary Graft Failure Following Heart Transplantation: Risk Factors and Outcomes; M.J. Russo¹, K.N. Hong¹, R.R. Davies¹, A. Iribarne¹, S. Xydas¹, M. Argenziano¹, M. Williams¹, A.S. Stewart¹, J.S. Morgan¹, D.M. Mancini², Y. Naka¹ ¹Columbia University Medical Center, New York, NY; ²Columbia University Medical Center, New York, NY

3:30 PM (263) WITHDRAWN

3:45 PM (264) Impact of Different Pulmonary Hypertension Parameters on Severe Right Ventricular Failure and Early Death after Heart Transplantation; J.M. Barcelo, J. Segovia, M. Gomez-Bueno, M. Cobo, P. Garcoa-Pavia, J. Mirellis, E. Sufrate, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain

4:00 PM (265) Primary Graft Failure in Heart Transplantation: The Need of a Working Definition; J. Segovia, J.M. Barcelo, M. Gomez-Bueno, C. Garcia-Montero, C. Tellez, M. Cobo, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain

4:15 PM (266) Right Ventricular Dysfunction Immediately Post Transplant – A Marker for Poor Outcome?; E. Shao¹, M. Kawano², N. Moradzadeh¹, A. Ankrom¹, K. Kiyosaki¹, J. Patel¹, M. Kittleson¹, J. Moriguchi¹, A. Ardehali¹, J. Kobashigawa¹ ¹David Geffen School of Medicine at UCLA, Los Angeles, CA; ²David Geffen School of Medicine at UCLA, Los Angeles, CA

3:00 PM – 4:30 PM CONCURRENT SESSION 17: Immunologic Dance with Infection (242 AB)
Chairs: Kashif Raza, MD and Bernard M. Kubak, MD, PhD
3:00 PM (267) High Rates of False-Positive Hepatitis C Antibody Tests Can Occur after Left Ventricular Assist Device Implantation; A.V. Srivastava, B. Czerska, C. Williams, I. Alesh, L. Krese, M.A. Huang, C. Drost, C. Smith, H. Nemeš, C. Tita, R. Brewer, D. Lanfear. Yale University, School of Medicine, New Haven, CT; Heart and Vascular Institute, Henry Ford Hospital, Detroit, MI

3:15 PM (268) Parainfluenza Viral Infection after Lung Transplantation: Not Just Another CARV; M. Benzimra, C.-L. Liew, K. Hanning, A. Havryk, M. Plit, M.A. Malouf, A.R. Glanville. St Vincent's Hospital, Sydney, NSW, Australia

3:30 PM (269) Antimicrobial Activity of Novel S-(benzyl) Isothiourea Derivatives Against Multiply Resistant Pseudomonas aeruginosa and Burkholderia cepacia Complex from Patients with Cystic Fibrosis Undergoing Lung Transplant Assessment; A. Nicholson, J.D. Perry, A.L. James, S.P. Stanforth, A. De Soyza, K. Gould. Freeman Hospital, Newcastle upon Tyne, United Kingdom; Northumbria University, Newcastle upon Tyne, United Kingdom; Freeman Hospital, Newcastle upon Tyne, United Kingdom

3:45 PM (270) Preceding Respiratory Viral Infection Is a Strong Risk Factor for Fungal Infection in Lung Transplant Recipients; P.M.A. Hopkins, F.D. Kermeen, B. Tsang, T.W.V. Daniels, H. Seale, C. Bec, D.C. Chambers. The Prince Charles Hospital, Brisbane, Queensland, Australia

4:00 PM (271) The Clinical Impact of Non-Aspergillus Mold Colonization in Lung Transplant Recipients (LuTx); F. Mattner, C. Fegbeutel, H. Weissbrodt, A. Simon. Universität zu Lübeck, Lübeck, Germany; Medizinische Hochschule Hannover, Hannover, Germany; Medizinische Hochschule Hannover, Hannover, Germany

4:15 PM (272) Intragam Use for Severe Refractory Paramyxoviral Infection in Lung Transplant Recipients; P.M.A. Hopkins, F.D. Kermeen, B. Tsang, T.W.V. Daniels, J. Walsh, T.M. Leisfield, D.C. Chambers. The Prince Charles Hospital, Brisbane, Queensland, Australia

3:00 PM – 4:30 PM CONCURRENT SESSION 18: Philip K. Caves Award Candidate Presentations (241)


3:15 PM (274) Deletion of Inhibitory Kinase from Myeloid Cells Prevents Induction of Mouse Lung Allograft Acceptance; H. Huang, S. Sugimoto, G.A. Patterson, S.A. Krupnick, D. Kreisel, A.E. Gelman. Washington University School of Medicine, Saint Louis, MO; Washington University School of Medicine, Saint Louis, MO

3:30 PM (275) Heart Transplantation Using Donor Hearts from Infants with Sudden Infant Death Syndrome; J.N. Avari, C.E. Canter, T.P. Singh, K. Gauvreau, G.E. Piercey, C.I. Berul, E.D. Blume, L.B. Smoot, F. Fynn-Thompson, C.S. Almond. Children's Hospital, Boston, MA; Washington University School of Medicine, Saint Louis, MO; Children's Hospital, Boston, MA


4:00 PM (277) The Role of Indoleamine 2,3-Dioxygenase (IDO) on Maintenance of Immunological Tolerance to Cardiac Allografts; I. Schmitt-Knosalla, S. Broesel, D. Lange, A. Andersson, U. Hoepek, M. Dandel, H.B. Lehmkuhl, H.-D. Volk, M. Bader, R. Hetzer, C. Knoalla. Institute of Medical Immunology, Charité-University Medicine Berlin, Berlin, Germany; Max-Delbrück-Center of Molecular Medicine, Berlin, Germany; Deutsches Herzzentrum Berlin, Berlin, Germany

4:15 PM (278) Pro-Inflammatory Cytokines IL-1 and TNF, but Not IL-8, Cause Aberrant Lung Epithelial Wound Repair Via TGF-1 Driven Epithelial to Mesenchymal Transition (EMT); L.A. Borthwick, E.I. McIlroy, M.J. Brodie, C. Ward, J.L. Lordan, J.A. Kirby, P.A. Corris, A.J. Fisher Newcastle University, Newcastle upon Tyne, Tyne and Wear, United Kingdom

4:30 PM – 5:00 PM Coffee Break/View Posters/Visit Exhibits (Hall Maillot)
5:00 PM – 7:30 PM
CAV Guidelines Workforce Meeting (Room 243)

5:00 PM – 6:30 PM
CONCURRENT SESSION 19: Building Bridges to Transplant with Mechanical Support (Main Theatre)
Chairs: Benjamin C. Sun, MD and Johannes Mueller, MD

5:00 PM (279) Axial vs. Pulsatile Flow in Reversing Pulmonary Hypertension in Heart Failure Patients Supported by Left Ventricular Assist Devices; L. Jacob1, R. Delgado1, M. Reardon1, M. Loeb2, I. Gregoric1, G. Torre-Amione2, R. Bogaev1, O.H. Frazier1, B.A. Bruckner1 1Texas Heart Institute, Houston, TX; 2Methodist DeBakey Heart Center, Houston, TX

5:15 PM (280) Higher Center Volume with Bridge-to-Transplant Recipients Predicts Superior Post-Transplant Outcomes in Bridged and Non-Bridged Recipients; M.J. Russo1, K.N. Hong1, R.R. Davies1, A. Iribarne1, M. Argenziano1, M. Williams1, A.S. Stewart1, K. Lietz2, P.U. Jorde3, Y. Naka4 1Columbia University Medical Center, New York, NY; 2Columbia University Medical Center, New York, NY

5:30 PM (281) Ventricular Assist Devices as Successful Bridge to Cardiac Re-Transplantation in Late Graft Failure: The Columbia-Presbyterian Experience; B. Ramlawi1, U. Jorde2, M.G. Flores1, M. Flannery1, R. Te-Frey1, J.S. Murphy1, D. Mancini1, Y. Naka4 1Columbia University Medical Center/NY-Presbyterian Medical Center, New York, NY; 2Columbia University Medical Center/NY-Presbyterian Medical Center, New York, NY

5:45 PM (282) A Single-Institutional 4-Year Experience Comparing HM II and HM I XVE as a Bridge to Transplant; J.A. Morgan, T.M. Naseem, F.H. Cheema, T.B. Scripps, M.J. Russo, R.R. Davies, K. Lietz, Y. Naka Columbia Presbyterian Medical Center, New York, NY

6:00 PM (283) Post Transplant Survival Following Support with a Continuous Flow Left Ventricular Assist Device; R. John1, F.D. Pagani2, Y. Naka3, S.D. Russell4, A.J. Boyle1, C.T. Klodell5, J.G. Rogers6, D.J. Farrar7, O.H. Frazier8 1University of Minnesota, Minneapolis, MN; 2University of Michigan, Ann Arbor; 3Columbia University, New York; 4John Hopkins Hospital, Baltimore; 5University of Florida, Gainesville; 6Duke University, Durham; 7Thoratec Corporation, Pleasanton; 8Texas Heart Institute, Houston


5:00 PM – 6:30 PM
CONCURRENT SESSION 20: Long Term Issues / Cardiac Allograft Vasculopathy (Blue Theatre)
Chairs: Beatriz Diaz Molina, MD and Nader Moazami, MD

5:00 PM (285) Prognostic Impact of Non-HLA Antibodies Targeting Vascular Receptors for the Development of Microvasculopathy in Biopsy after Heart Transplantation; N.E. Hiemann1, C. Renner1, R. Meyer1, E. Wellnhofer2, C. Schoenemann3, H. Heidecke4, R. Hetzer1, D. Dragan5, 1Deutsches Herzzentrum Berlin, Berlin, Germany; 2Deutsches Herzrzentrum Berlin, Berlin, Germany; 3Institute of Transfusion Medicine, Humboldt University Berlin Charité, Berlin, Germany; 4Celltrend GmbH, Berlin, Germany; 5Humboldt University Berlin Charité, Berlin, Germany

5:15 PM (286) Coronary Flow Velocity Reserve by Contrast-Enhanced Transthoracic Echocardiography Predicts Maximal Epicardial Intimal Thickening in Cardiac Allograft Vasculopathy; F. Tona1, E. Osto2, G. Tarantini2, M. Napodano2, A. Gambino2, A. Vinci1, A. Vecchiati1, A. Ramondo1, G. Gerosa5, A.L.P. Caforio1, S. Iliceto1 1University of Padova, Padova, Italy; 2University of Padova, Padova, Italy

5:30 PM (287) Inflammatory Burden of Cardiac Allograft Coronary Atherosclerotic Plaque Is Associated with Recurrent Acute Cellular Rejections and Predicts a Higher Risk of Vasculopathy Progression; E. Raichlin1, J.-H. Bae2, S.S. Kushwaha3, R.J. Lennon4, A. Prasad5, C.S. Riha6, A. Lerman7 1Mayo Clinic, Rochester, MN; 2Mayo Clinic, Rochester, MN; 3Mayo Clinic, Rochester, MN; 4Mayo Clinic, Rochester, MN; 5Mayo Clinic, Rochester, MN; 6Mayo Clinic, Rochester, MN; 7Mayo Clinic, Rochester, MN

5:45 PM (288) 20-Year Survivors of Heart Transplantation at Stanford University; T. Deuse1, F. Haddad2, M. Pham2, S. Hunt2, H. Valantine2, P. Oyer1, R.C. Robbins1, B.A. Reitz1 1Stanford University School of Medicine, Stanford, CA; 2Stanford University School of Medicine, Stanford, CA
6:00 PM (289) **Extremes of Body Mass Index Do Not Affect Short- and Long-Term Survival Outcomes Following Cardiac Transplantation**; S. Lee1, J. Connett2, M. Colvin-Adams1 University of Minnesota, Minneapolis, MN; 2University of Minnesota, Minneapolis, MN

6:15 PM (290) **Atrial Fibrillation and Atrial Flutter in Heart Transplant Patients: Incidence, Risk Factors and Clinical Outcomes**; T.W. Dasari, B. Pavlovic-Surjancev, N. Patel, A.A. Williams, P. Ezidinma, A. Rupani, J.L. Sinacore, A.L. Heroux Loyola University Medical Center, Maywood, IL

5:00 PM – 6:30 PM **CONCURRENT SESSION 21: Effects of Implementing an Allocation System in Lung Transplant** (Salle Maillot)

5:00 PM Invited Lecture: **Airway Complications Following Lung Transplantation: Technical and/or Ischemic Issues?**, Redha R. Souilamas, MD, PhD, European Georges Pompidou Hospital, Paris, France

5:15 PM (293) **Including Bilirubin in Lung Allocation Score Improves Prediction**; S. Murray1, J. Moore2, T.H. Shearon1, D.B. Dyke1 1SRTR, University of Michigan, Ann Arbor, MI; 2SRTR, Arbor Research, Ann Arbor, MI

5:30 PM (294) **Six-Minute Walk Test as an Indicator of Lung Transplant Survival at 1 Year**; A.M. Lotshaw1, M. Thompson2, D.M. Meyer1, D.L. Nichols2 1Baylor University Medical Center, Dallas, TX; 2Texas Woman’s University, Denton, TX

5:45 PM (295) **Waiting Times and Mortality for IPF Patients Listed for Bilateral or Single Lung Transplantation**; O.A. Shlobin1, E. Edwards2, S.D. Nathan1 1Inova Fairfax Hospital, Falls Church, VA; 2UNOS, Richmond, VA

6:00 PM (296) **The Effect of Center Volume on Early Post Lung Transplantation Survival among Patients with Cystic Fibrosis**; C.A. Merlo1, E.S. Weiss2, A.S. Shah2 1Johns Hopkins University School of Medicine, Baltimore, MD; 2Johns Hopkins University School of Medicine, Baltimore, MD

6:15 PM (292) **Elevated Lung Allocation Score Is Associated with Decreased Survival and Increased Complications after Lung Transplantation**; M.J. Russo1, A. Iribarne1, R.R. Davies1, K.N. Hong1, S. Xydas1, A.C. Gelilns1, M.D. Bacchetta1, F. D’Ovidio1, S. Arcasoy1, J.R. Sonett1 1Columbia University Medical Center, New York, NY; 2Columbia University Medical Center, New York, NY

5:00 PM – 6:30 PM **CONCURRENT SESSION 22: Picking Your Poison: The Pitfalls of Immunosuppressive Therapy** (252 AB)

5:00 PM Invited Lecture: **Strategies to Reduce Immunosuppression-Related Complications**, Sudhir S. Kushwaha, Mayo Clinic College of Medicine, Rochester, MN

5:15 PM (297) **Incidences of Incisional Complications after De Novo Cardiac Transplantation in AZA-, MMF- or Everolimus-Based Regimens: A Cross-Study Analysis on 1008 Patients**; A. Zuckermann, J. Kobashigawa, J.M. Arison, S.-S. Wang, M. Vigano, H. Lehmkuhl, H. Ross, G. Dong, H. Eisun Univ.-Klinik für Chirurgie, Vienna, Austria; The David Geffen School of Medicine at UCLA, Los Angeles; Hospital Universitario Reina Sofia, Córdoba, Spain; National Taiwan University Hospital, Taipei, Taiwan; Policlinico S. Matteo, IRCCS Università degli Studi di Pavia, Pavia, Italy; Deutsches Herzzentrum Berlin, Berlin, Germany; University Health Network, Toronto, Canada; Novartis Pharmaceuticals Corporation, East Hanover; Drexel University College of Medicine, Philadelphia

5:30 PM (298) **Usefulness of mTOR Inhibitors for Treatment of Heart Transplant Patients with Non-Cutaneous Non-Lymphomatous Tumours: Data from the Spanish Post-Heart-Transplant Tumour Registry**; M.G. Crespo-Leiro1, L.A. Alonso-Pulpon2, V. Brosa3, J. Fernandez-Yanez4, L. Almenar-Bonet5, F. Fernandez-Vilchez6, J.F. Delgado7, N. Manito8, B. Diaz-Molina9, G. Rabago10, J.M. Arison11, N. Roméro12, E. Roig13, T. Biasco14, D. Pascual15, J. Muniz16 1Hospital Juan Canalejo, La Coruña, Spain; 2Hospital Puerta de Hierro, Madrid, Spain; 3Hospital Sta Creu i San Pau, Barcelona, Spain; 4Hospital Gregorio Maranon, Madrid, Spain; 5Hospital La Fe, Valencia, Spain; 6Hospital Valdecilla, Santander, Spain; 7Hospital 12 de Octubre, Madrid, Spain; 8Hospital Bellvitge, Barcelona, Spain; 9Hospital Central Asturias, Oviedo, Spain; 10Clinica Navarra, Pamplona, Spain; 11H. Reina Sofia, Cordoba, Spain; 12H. Virgen del Rocío, Sevilla, Spain; 13H.Clinic, Barcelona, Spain; 14H. Miguel Servet, Zaragoza, Spain; 15H. Virgen Arrixaca, Murcia, Spain; 16Instituto Ciencias Salud, La Coruña, Spain

5:45 PM (299) **Comparability of Pattern of Occurrence of Pericardial Effusions between Everolimus- and MMF-Based Regimen in De Novo Cardiac Transplant Recipients**; H. Lehmkuhl1, H. Ross2, J. Arison3, S. S. Wang4, U. Liv5, T. Dengler6, C. Pellegrini7, A. Zuckermann8, G. Dong9, S. Korom10, C. Bara11 1Deutsches Herzzentrum Berlin, Berlin,
6:00 PM (300)  A Low Incidence of CMV Infections in De Novo Cardiac Transplant Recipients in the Presence of Everolimus-Based Immunosuppressive Regimens; J. Kobashigawa1, H.J. Eisen2, H.A. Valantine-von Kaeppeler3, T. Dengler4, L. Potena5, S.-S. Wang6, H. Ross7, J. Delgado8, R.C. Starling9, C. Bara10 1Univ. Cardiovascular Medical Group, Los Angeles, CA; 2Drexel University College of Medicine and Hahnemann University Hospital, Philadelphia, PA; 3Falk Cardiovascular Research Center, Stanford; 4SLK-Klinikum am Plattenwald, Bad Friedrichshall, Germany; 5Istituto di Malattie dell’apparato Cardiovascolare, Bologna, Italy; 6National Taiwan University Hospital, Taipei, Taiwan; 7University Health Network, Toronto, Canada; 8Hospital Universitario 12 de Octubre, Madrid, Spain; 9Cleveland Clinic Foundation, Cleveland; 10Hannover Medical School, Hannover, Germany.

6:15 PM (301)  Post Transplant Renal Dysfunction Is Rarely a Result of Direct Calcineurin Inhibitor Toxicity: A Clinicopathologic Study; S. Pinney, R. Balakrishnan, A. Lala, N. Ajith, A. Anyanwu, G. Deboccardo Mount Sinai Medical Center, New York, NY

6:00 PM – 6:30 PM  CONCURRENT SESSION 23: Bronchiolitis Obliterans Syndrome: Basic Mechanisms (242 AB)

5:00 PM (302)  Alloimmunity Induced Remodeling of Airway Epithelium Exposes Cryptic Self Antigens (K 1 Tubulin Collagen V), Leading to Autoimmunity and Chronic Rejection Following Human Lung Transplantation; D. Saini1, S. Ramachandran1, M. Liu1, G. Simon1, N. Steward1, A. Aloush1, R. Hachem2, E. Trulock2, A. Patterson1, T. Mohanakumar1,3 1Washington University in St Louis, St. Louis, MO; 2Washington University in St Louis, St. Louis, MO; 3Washington University in St Louis, St. Louis, MO

5:15 PM (303)  Tolerance Induction to Collagen Type V (Col V) Prevents Fibrosis in the Bleomycin (Blm) Lung Injury Model; R.K. Braun, C.H. Wigfield, A. Martin, P. Sethupathi, R.B. Love Loyola University Medical Center, Maywood, IL

5:30 PM (304)  Th17 Lymphocyte Proportion Increased in Animal Model of Bronchiolitis Obliterans after Lung Transplantation; T. Nakagiri1, M. Inoue1, E. Morii1, M. Minami1, N. Sawabata1, T. Utsumi1, Y. Kadota1, N. Shigemura1, K. Ideguchi1, T. Tokunaga1, T. Oda1, M. Okumura1 1Osaka University Graduate School of Medicine, Suita, Osaka, Japan; 2Osaka University Graduate School of Medicine, Suita, Osaka, Japan

5:45 PM (305)  Increased Levels of T-Cell Granzyme b in Bronchiolitis Obliterans Syndrome (BOS) Are Not Adequately Suppressed by Current Immunosuppressive Regimens; S. Hodge1, G. Hodge1, J. Ahern1, J. Nairn1, C.-L. Liew1,2, P.N. Reynolds1, P. Hopkins3, D. Chambers3, M. Holmes1,2 1Royal Adelaide Hospital and Hanson Institute, Adelaide, Australia; 2Royal Adelaide Hospital, Adelaide, Australia; 3The Prince Charles Hospital, Brisbane, Australia

6:00 PM (306)  Respiratory Viral Infections through TLR7 Signaling Lead to Loss of Tregs and Contribute to Development of Chronic Rejection (BOS) Following Lung Transplantation; S. Ramachandran1, D. Saini1, M. Walter2, A. Patterson1, E. Trulock1, T. Mohanakumar1,3 1Washington University in St Louis, St. Louis, MO; 2Washington University in St Louis, St. Louis, MO; 3Washington University in St Louis, St. Louis, MO

6:15 PM (307)  A Polymorphism in the Hepatocyte Growth Factor (HGF) Gene Is Associated with Bronchiolitis Obliterans Syndrome (BOS)-Free Survival after Lung Transplantation; D.C. Chambers1, M. Musk2, S. Wong3, S. Temple3, T.M. Liesfield1, F. Kermeen1, P.M.A. Hopkins1 1The Prince Charles Hospital, Brisbane, Qld, Australia; 2Royal Perth Hospital, Perth, Western Australia, Australia; 3Murdoch University, Perth, Western Australia, Australia

5:00 PM – 6:30 PM  CONCURRENT SESSION 24: Risk Stratification and Management of Advanced Heart Failure (241)

5:00 PM (308)  Serum Albumin Concentration as Predictor of Mortality in Patients with End Stage Heart Failure Treated Medically and with Mechanical Circulatory Support – Analysis of the UNOS/OPTN Data and the DT Thoratec Registry – Years 1999-2007; K. Lietz, M. Farr, Y. Naka, D. Mancini Columbia-University Medical Center, New York, NY
(322) Spare Me the Renal Sparing Protocol – Poor Long Term Outcomes; S. Sohrabian, M. Kawano, K. Kiyosaki, A. Ankrom, J. Patel, J. Moriguchi, M. Kittleson, A. Ardehali, J. Kobashigawa, David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

(323) Influence of Sirolimus on Survival in Heart Transplant Recipients; M. Zakliczynski, D. Konecka-Mrowka, J. Nozynski, S. Zeglen, A. Mrowka, R. Przybylski, M. Zembala, Silesian Center for Heart Disease, Zabrze, Poland

(324) Role of IFN- and CTL Mediators in CD8+ T Cell Driven Allograft Vasculopathy; M.H. Hart-Matyas, S. Nejat, B.M. Ross, G.M. Hirsch, T.D.G. Lee, Dalhousie University, Halifax, NS, Canada; Dalhousie University, Halifax, NS, Canada; Dalhousie University, Halifax, NS, Canada

(325) Novel Agent To Ablate CD8+ Cardiac Allograft Vasculopathy; J.L. Jordan, B.M. Ross, G.M. Hirsch, T.D.G. Lee, Dalhousie University, Halifax, NS, Canada; Dalhousie University, Halifax, NS, Canada; Dalhousie University, Halifax, NS, Canada

(326) Featured Poster: Regulatory T Cells Are Associated with Favorable Outcomes Following ExtraCorporeal Photopheresis; S. Kankirawatana, S. Huang, P. Atkinson, J.K. Kirklin, J.F. George, University of Alabama at Birmingham, Birmingham, AL; University of Alabama at Birmingham, Birmingham, AL; University of Alabama at Birmingham, Birmingham, AL

(327) Differential Effects of Cyclosporine, Sirolimus and Tacrolimus on Intragraft mRNA Expression of Pro-Inflammatory and Cytotoxic Molecular Pathways; A. Khanna, J. Xu, M.R. Mehra University of Maryland, Baltimore, MD

(328) Sirolimus Associated Nephropathy in Cardiac Transplantation: Histological and Molecular Pathways; A. Khanna, J. Xu, M.R. Mehra University of Maryland, Baltimore, MD

(329) Simvastatin Treatment Attenuates Obliterative Airway Disease Development in Rat Tracheal Allograft Model; J.O. Ropponen, J.M. Tikkanen, M. Hollmen, R. Krebs, M.A. Keranen, K.B. Lemstrom, University of Helsinki, Helsinki, Finland; University of Helsinki, Helsinki, Finland

(330) Effects of the JAK3-Inhibitor R348 on Different Cell Types Involved in Obliterative Airway Disease; J.B. Velotta, T. Deuse, C. Peter, E. Masuda, V. Taylor, G. Park, D. Carroll, R.C. Robbins, S. Schreper, Rigel Inc, South San Francisco, CA

(331) Oral Administration of Nitrite or Nitrate, Abundant in the Mediterranean Diet, Attenuates Cardiac Allograft Rejection in Rats; J. Zhan, A. Nakao, R. Sugimoto, Y. Wang, Z. Wang, K.R. McCurry, Heart, Lung and Esophageal Surgery Institute, University of Pittsburgh, Pittsburgh, PA; Tianjin Children’s Hospital, Tianjin, China

(332) Molecular Remodeling on Beta-Blocker Therapy in the Failing Human Heart; A. Brieke, S.F. Shakar, R. Zolty, W. Minobe, M. Bristow, B.D. Lowes, University of Colorado Denver, Aurora, CO; Albert Einstein College of Medicine, Bronx, NY

(333) The Effects of Antioxidants (N-Acetylcysteine and Epigallocatechin-3-Gallate) in Ischemia-Reperfusion Injury of Rat Lungs; S.J. Haam, D.Y. Lee, H.C. Paik Yongdong Severance Hospital, Seoul, Republic of Korea


(335) Mechanical Unloading Induces Differential Changes in Cardiac MicroRNA Expression; R. Ramani, A. Nakao, D. McNamara, B. Lemster, R. Kormos, C. McTiernan University of Pittsburgh Medical Center, Pittsburgh, PA

(336) Hypoxia and Reperfusion: Role of Protein Kinase B and NADPH Oxidase; D. Ramzy, L.C. Tumiati, E. Tepperman, R. Sheshgiri, V. Rao Toronto General Hospital, Toronto, ON, Canada

(337) Endothelin-1 and Nitric Oxide in Hypoxia and Reperfusion: The Role of Akt; D. Ramzy, L.C. Tumiati, E. Tepperman, R. Sheshgiri, V. Rao Toronto General Hospital, Toronto, ON, Canada

(338) The Role of Intrapulmonary De Novo Lymphoid Tissue in Obliterative Bronchiolitis after Lung Transplantation; M. Sato, S. Hirayama, D.M. Hwang, L. Lara-Guera, D. Wagnett, T.K. Waddell, M. Liu, S. Keshavjee, University of Toronto, Toronto, ON, Canada
(339) Whole Transcriptome Analysis of Changes in Immune Function Early after Mechanical Circulatory Support Device Implantation in End Stage Heart Failure Patients; K. Shahzad1, A. Sinha2, F. Latif3, M. Cadeiras1, M. Vonbayern1, S. Oz1, Y. Naka1, M.C. Deng1 1Columbia University Medical Center, New York, NY; 2Columbia University, New York, NY


(341) Proteomic Biomarkers of Chronic Heart Allograft Rejection; G.V. Cohen Freue1, D. Lin2, C. Imai3, A. Ignaszewski3, J. Mancini3, Z. Holland4, A. Bergman5, M. Sasaki5, J. Wilson-McManus6, R. Balshaw7, R.T. Ng8, C. Borchers1, P. Keown3, B. McManus5, R. McMaster5 1University of British Columbia, Vancouver, BC, Canada; 2University of British Columbia, Vancouver, BC, Canada; 3University of British Columbia, Vancouver, BC, Canada; 4The James Hogg iCAPTURE Centre for Cardiovascular Pulmonary Research, Vancouver, Canada; 5University of British Columbia, Vancouver, Canada; 6University of Victoria Proteomics Centre, Victoria, Canada

(342) Featured Poster: Determining the Etiology of Quilty Lesions: A Repeat Heart Transplantation Study; C. Ellis1, D.J. Carter2, W.M. Baldwin III3, M.K. Halushka1 1Johns Hopkins Medical Institutions, Baltimore, MD; 2Johns Hopkins Medical Institutions, Baltimore, MD; 3Cleveland Clinic Foundation, Cleveland, OH

(343) Featured Poster: The Role of Pre-Existing Donor Vascular Disease on Allograft Vasculopathy; A.M. Zaki1, T.D.G. Lee1,2,3, G.M. Hirsch3, B.M. Ross3 1Dalhousie University, Halifax, NS, Canada; 2Dalhousie University, Halifax, NS, Canada; 3Dalhousie University, Halifax, NS, Canada

(344) Risk Factors for Early Death on the French Cardiac Waiting List; C. Cantrelle, F. Pessione, D. Tixier, E. Herquelot, Transplant Teams, B. Loty Agence de la Biomedecine, Saint Denis La Plaine, France

(345) Does Hormonal Resuscitation Increase Recovery of Thoracic Organs? A Single OPO Experience; D.S. Nath1, M.H. Liu1, J. Coleman2, J. Wagner2, N. Moazzam3, G.A. Ewald3 1Washington University School of Medicine, Saint Louis, MO; 2Mid-America Transplant Services, Saint Louis, MO; 3Washington University School of Medicine, Saint Louis, MO

(346) Featured Poster: The Impact of Donor-Recipient Gender Matching on Survival and Rejection after Cardiac Transplantation; R.A. Bello, D.A. D’Alessandro, S. Maybaum, D.J. Goldstein Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY

(347) The Effect of Tri-iodothyronine (T3) on Thyroid Hormone Responsive Cardiac Genes in the Brain Stem Dead Cardiac Donor; S.R. James1, A.M. Ranasinghe1,2, R. Venkateswaran2, C.J. McCabe1, J.A. Franklyn1, R.S. Bonser2 1University of Birmingham, Birmingham, United Kingdom; 2UHB NHS FT, Birmingham, United Kingdom


(349) Lung Transplantation from None Heart Beating Donor (NHBD) Maastricht Classification Category IV: Brain-Death and Circulatory Arrest; S. Lehmann, C. Topf, S. Dhein, F.W. Mohr, H.B. Bittner Heart Center of the University of Leipzig, Leipzig, Germany

(350) The Lung Allocation Score (LAS) Evaluation from Transplant Coordinators’ Perspective; E. Mahoney2, J. Johnson2, C.H. Wigfield1,2, C. Alex2, R.B. Love1,2 1Loyola University, Maywood, IL; 2Loyola University, Maywood, IL

(351) Immune Activation and Cardiac Allograft Survival: Effects of Donor and Recipient Tobacco Smoke Exposure; M.R. Mehra, J. Xu, C. Baquet, A. Khanna University of Maryland, Baltimore, MD

(352) Pathology Influences Device Development: The TransMedics Organ Care System for Heart; R.F. Padera1, P. Lezberg2, E. Hansen2, D. Sousa2, G.L. Winters1 1Brigham and Women’s Hospital, Boston, MA; 2TransMedics, Inc., Andover, MA
(353) The Role of Brain Stem Death and Ischemia Reperfusion Injury in the Alteration of the Endothelin and RAS Pathways Pre and Post Lung Transplantation; M. Passmore, M. Nataatmadja, F. Russell, A. Corley, E. Venz, P. Hopkins, F. Kermeen, J. Fraser, B. Thomson, G. Hart, D. Chambers, T. Daniels University of Queensland, Brisbane, Australia; University of the Sunshine Coast, Maroochydore, Australia; Prince Charles Hospital, Brisbane, Australia

(354) FP15 a Novel Peroxynitrite Decomposition Catalyst Protects Against Myocardial and Endothelial Reperfusion Injury after Orthotopic Heart Transplantation; G. Szabo, N. Stumpf, T. Radovits, M. Karck University of Heidelberg, Heidelberg, Germany

(355) Featured Poster: Pre-Treatment of Rat Cardiac Allograft Donors with Simvastatin Prevents Early Ischemia-Reperfusion-Induced Vascular Permeability and Later Development of Chronic Rejection; R. Tuuminen, A.I. Nykanen, R. Krebs, K.B. Lemstrom University of Helsinki, Helsinki, Finland


(357) Erythropoietin Improves Functional Recovery of the Rat Heart after Prolonged Cold Storage in Celsior Solution; A.J. Watson, L. Gao, J. Tsun, J.C. Kwan, A. Jabbour, P.S. Macdonald, M. Hicks; Victor Chang Cardiac Research Institute, Sydney, NSW, Australia; University of Western Sydney, Penrith, Australia

(358) Donor Cause of Brain Death Has No Impact on Outcome after Lung Transplantation; S. Wauters, D. Van Raemdonck, C. Meers, A. Neyrinck, F. Rega, C. Van de Wauwer, D. Vanhees, G. Verleden, L. Dupont, W. Coosemans, H. Decaluwe, P. De Leyn, P. Nafteux, T. Lerut; Catholic University Leuven, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium

(359) Cadaveric Lobar Lung Transplantation: Long Term Follow Up of a Case Series; D.T. Keating, G.P. Westall, S.F. Marasco, J. Negri, J.H. Burton, M.R. Buckland, T.J. Williams, G.I. Snell Alfred Hospital, Melbourne, Victoria, Australia; Alfred Hospital, Melbourne, Victoria, Australia; Alfred Hospital, Melbourne, Victoria, Australia

(360) How the Cause of Death Affects the Quality of DCD Donor Lung? – An Experimental Study; T. Yamada, F. Chen, J. Zhang, T. Okamoto, T. Fujinaga, H. Morikawa, I. Matsumoto, N. Satoda, A. Takahashi, T. Shoji, H. Sakai, T. Bando, H. Date Kyoto University, Kyoto-City, Japan


(362) Biatrial Implantation with Modified Cabrol Technique Provides Similar Outcomes Compared to Bicaval Anastomosis; A.M. Borkon, A. Kao, S. Stuart, E. Daon, G. Zorn, A. Pak, K. Allen Mid America Heart Institute of Saint Luke’s Hospital, Kansas City, MO

(363) Complement Fragment 9 Immunohistochemistry as Marker of Peri-Transplant Injury in Heart Transplantation; V. Dronavalli, E. Clarke, R. Bonser, M. Mukadam, S. Beer, I. Wilson, J. Mascaro, R. Thompson, J. Townend, D. Neil University Hospital Birmingham NHS Foundation Trust, Queen Elizabeth Hospital, Birmingham, United Kingdom; University of Birmingham, Birmingham, United Kingdom; University Hospital Birmingham NHS Foundation Trust, Queen Elizabeth Hospital, Birmingham, United Kingdom

(364) ECMO as Support of Primary Graft Dysfunction (PGD) in Cardiac Transplantation; M. Groemmer, S. Mahr, A.Z. Aliabadi, M. Grimm, A.O. Zuckermann, G. Wieselthaler, E. Wolner, A.M. Rajek, K. Herbert, S. Barbara, S. Taghavi General Hospital Vienna, Vienna, Austria; General Hospital Vienna, Vienna, Austria

(365) Recipients and Donors Selection in Heart Transplantation: How Much Risk Is Too High?; G. Guzzi, G. Aresu, M. Maiani, T. Biscoglia, V. Tursi, E. Spagna, L. Vetrugno, U. Livi University-General Hospital, Udine, Italy; University-General Hospital, Udine, Italy

(366) Outcomes of Cardiac Transplantation for Adult Congenital Heart Disease; C. Irving, R. Kirk, A. Hasan, G. Parry Freeman Hospital, Newcastle upon Tyne, United Kingdom
(367) Clinical and Hemodynamic Effects of Early Renin Angiotensin Aldosterone System Blockade in Cardiac Transplant Recipients; S. Karabsheh¹, M. Jain², N. Sergerson¹, E. Gilbert¹, J. Stehlik¹, F. Bader¹¹ University of Utah, Salt Lake City, UT; ¹Norwalk Hospital, Norwalk

(368) Sympathetic Reinnervation Assessed by Iodine-123 Metaiodobenzylguanidine Imaging Are Not Consistent with the Response of Left Ventricular Function to Adrenergic Stimulation in Heart Transplant Recipients; T.S. Kato¹, T. Sasaoka¹, M. Yanase¹, T. Nakatani², K. Hahimura¹, Y. Ishida¹¹ National Cardiovascular Center, Osaka, Japan; ²National Cardiovascular Center, Osaka, Japan

(369) Thoracic Transplantation and Pregnancy: A French Experience in the Nantes Hospital; M. Michel, S. Pattier, A. Haloun, J. Esbelin, M. Treilhaut, J.C. Roussel, P. Despins, J.N. Trochu CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Dieu, Nantes, France; CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Laennec, Nantes, France; CHU-Hôpital Laennec, Nantes, France

(370) Heart Transplantation with Non-Identical Compatible ABO Blood-Groups: Impact on Early Rejection and Long-Term Survival; J. Nilsson¹, J. Sjogren¹, F. Ljungdahl Waller¹, E. Senneby¹, B. Ekmehag², B. Koul¹¹ Institution for Clinical Science, Lund, Sweden; ²Institution for Clinical Science, Lund, Sweden

(371) Mycophenolic Trough Levels and Adverse Effects in Heart Transplant Population; L.S.L. Ting¹, J. Haymond¹, N. Partovi¹, C. Imaï¹, A.P. Ignaszewski², M.H.H. Ensom¹¹ University of British Columbia, Vancouver, BC, Canada; ²St. Paul’s Hospital, Vancouver, BC, Canada; ³University of British Columbia, Vancouver, BC, Canada

(372) Heart Transplantation in Adults with Congenital Heart Disease; E. Ribera, G. Buschi, P. Austoni, G. Vagnati, A. Corato, S. Marianeschi, R. Paino, M. Firgerio, L. Martinelli, F. Santoro Niguarda Ca’ Granda Hospital, Milan, Italy

(373) Cardiac Ischemia Postoperative Adverse Events after Adult Heart Transplantation; C.A. Rogers, R.S. Bonser, N.R. Banner The Royal College of Surgeons of England, London, United Kingdom

(374) Retrospective Review of Japanese Heart Transplant Recipients Transplanted in Japan and Transplanted at UCLA in the U.S.; T. Sasaoka¹, T. Nakatani¹, N. Oda¹, M. Yanase¹, J.A. Kobashigawa², J. Patel¹, M. Isobe³, T.S. Kato¹¹ National Cardiovascular Center, Osaka, Japan; ²The David Geffen School of Medicine at UCLA, Los Angeles, CA; ³Tokyo Medical and Dental University, Tokyo, Japan

(375) Featured Poster: Dual Right Atrial Pacing Improves Paced Heart Rate Response in Orthotopic Heart Transplant Patients; M.A. Thompson, H. Patel Ochsner Clinic, New Orleans, LA

(376) Featured Poster: Risk Factors for Early Transplant Mortality, Predictive Modeling, and Their Relation to Institutional Outcomes in the Modern Era; A.B. Van Bakel¹, R.N. Brown², M. Hess³, A. Heroux⁴, L.A. Nikolaidis⁵, M.T. Oliveri⁶, K. Law⁷, D.C. Naftel⁷¹ Medical University of South Carolina, Charleston, SC; ²University of Alabama at Birmingham, Birmingham, AL; ³Medical College of Virginia, Richmond, VA; ⁴Loyola University Medical Center, Chicago, IL; ⁵Temple University Hospital, Philadelphia, PA; ⁶Abbott Northwestern Hosp/Minneapolis Heart Inst, Minneapolis, MN

(377) Featured Poster: Indoleamine 2,3-Dioxygenase in Lung Allograft Tolerance; F. Bini¹, S. Giuliano², P. Draghi³, M. Pappalettera³, A.M. Bardonif, R. Salvini², A.M. Fiatta¹, F. Meloni¹¹ University of Pavia Foundation IRCCS San Matteo, Pavia, Pavia, Italy; ²University of Pavia, Pavia, Italy; ³University of Pavia, Pavia, Italy; ⁴University of Milan IRCCS POMARE Foundation, Milano, Italy

(378) Featured Poster: Validation of Diagnostic Classifier for Acute Lung Rejection Based on Bronchoalveolar Lavage Cell Gene Expression; J.R. Patil¹, M.I. Hertz¹, A. Hofer¹, H. Guo², T. Berryman¹¹ University of Minnesota, Minneapolis, MN; ²University of Minnesota, Minneapolis, MN

(379) Featured Poster: Does Drug-Eluting Stents Reduce In-Stent Re-Stenosis in Cardiac Allograft Vasculopathy? A Single Center Experience; P. Colombo, G. Buschi, A. Sacco, P.L. Silva, F. Turazza, M. Frigerio, L. Martinelli, S. Klugmann Niguarda Ca’ Granda Hospital, Milan, Italy

(380) Featured Poster: Pre-Transplant Anti-Pneumococcal Antibodies Add to the Prognostic Value for Infection of IgG Levels in a Cohort of Heart Transplant Recipients; J. Carbone¹, E. Sarmiento¹, J. Rodriguez-Molina¹, N. Lanio¹, J. Fernandez-Yanez², P. Munoz³, A. Gallego¹, C. Rodriguez², E. Fernandez-Cruz³¹ Gregorio Marañon Hospital, Madrid, Spain; ²Gregorio Marañon Hospital, Madrid, Spain; ³Gregorio Marañon Hospital, Madrid, Spain; ⁴Gregorio Marañon Hospital, Madrid, Spain

(382) Predictive Factors of Early Graft Failure after Cardiac Transplantation; C. D'Alessandro, J.L. Golmard, S. Varnous, A. Ouattara, A. Combes, A. Pavie, P. Leprince, La Pitie-Salpetriere Hospital, Paris, France; 2La Pitie-Salpetriere Hospital, Paris, France; 3La Pitie-Salpetriere Hospital, Paris, France

(383) Serum Cystatin C as an Easy To Obtain Biomarker for the Onset of Late Renal Impairment in Heart Transplantation; D. Duller, D. Kniepeiss, G. Wirnsberger, A. Wasler, K.H. Tscheleissnigg, Medical University Graz, Graz, Austria/Styria, Austria; 2Medical University Graz, Graz, Austria/Styria, Austria

(384) Transplant Coronary Artery Disease: Long-Term Results of Interventional Revascularization; T. Dziodzio, A. Juraszek, S. Rodler, A. Zuckermann, M. Czerny, M. Grimm, D. Glogar, General Hospital, Vienna, Austria; 2General Hospital, Vienna, Austria


(386) Early Permanent Pacemaker after Heart Transplantation Is a Surrogate Marker for Poor Outcome: Possible Immune Mechanisms; B.J. Kim, K.K. Kiyosaki, E. Shao, J.K. Patel, M. Kittleson, M.A. Kawano, A. Ankrom, J. Moriguchi, A. Ardehali, J.A. Kobashigawa, David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

(387) Development of Metabolic Syndrome during the First Year after Heart Transplantation Is Associated with Transplant Vasculopathy; R.U. Shah, N.P. Johnson, M.C. Montpetit, E. Schupbach, K.L. Grady, J.B. O'Connell, E.C. McGee, W.G. Cotts, L. Klein Northwestern University Feinberg School of Medicine, Chicago, IL

(388) Disappointing Outcomes of Drug Eluting Stent (DES) Implantation To Treat Cardiac Allograft Vasculopathy; R.J. Margey, N.G. Mahon, D. Sugrue, A. Wood, Mater Misericordiae University Hospital, Dublin, Ireland; 2Mater Misericordiae University Hospital, Dublin, Ireland

(389) WITHDRAWN

(390) When Is Too Old, Too Old for Redo Heart Transplantation?; J. Patel, M.A. Kawano, K.K. Kiyosaki, A. Ankrom, M. Kittleson, J. Moriguchi, A. Ardehali, J. Kobashigawa, David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

(391) Adiponectin Time Course, Metabolic Profile and Cardiac Allograft Vasculopathy after Heart Transplantation; C. Quarta, L. Potena, L. Tomasi, F. Grigioni, G. Magnani, P. Ortolani, F. Cocco, F. Fallani, A. Branzi University of Bologna, Bologna, Italy


(393) Association of NT-Pro Brain Natriuretic Peptide Levels and Echocardiographic Variables in Long-term Heart Transplant Recipients; J. Renoldner, R. Berger, S. Rodler, A. Aliabadi, A. Zuckermann, B. Stanek, 1Medical University of Vienna, Vienna, Austria; 2Medical University of Vienna, Vienna, Austria

(394) Dynamics of Pleural Effusions in the Presence of Everolimus-Based Immunosuppression in De Novo Cardiac Transplant Recipients; H. Ross, H. Lehmkuhl, S. S. Wang, M. Vigano, A. Zuckermann, S. Varnous, M. Frigerio, G. Lauffer, L. Potena, A. Keogh, U. Livi, University Health Network, Toronto, ON, Canada; 2Deutsches Herzzentrum Berlin, Berlin, Germany; 3National Taiwan University Hospital, Taipei, Taiwan; 4Policlinico S. Matteo, IRCCS Universita degli Studi di Pavia, Pavia, Italy; 5Univ.-Klinik für Chirurgie, Vienna, Austria; 6Hôpital La Pitié Salpêtrière, Paris, France; 7Ospedale Niguarda Ca’ Granda, Milan, Italy; 8Univ.-Klinik für Chirurgie, Innsbruck, Austria; 9Istituto di Malattie
(395) Relationship between Peripheral Blood Mononuclear Cell Gene Expression and QTc-Interval after Heart Transplantation in the Absence of Moderate or Severe Acute Cellular Rejection; K. Shahzad1, M. Cadeiras1, M.M. John1, F. Latif1, A. Sinha2, S. Memon1, S. Restaino1, C.C. Marboe3, M.C. Deng1 1Columbia University Medical Center, New York, NY; 2Columbia University, New York, NY

(396) Late Rapidly Progressive Cardiac Allograft Vasculopathy Is Associated with Poor Outcome; E. Shao1, M. Kawano1, K. Kiyosaki1, J. Patel1, M. Kiltlleson1, J. Moriguchi1, A. Ardehali2, J. Kobashigawa1 1David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

(397) REVEAL Registry: Pediatric IPAH Versus Pediatric Pulmonary Vascular Disease Associated with Congenital Heart Disease; R.J. Barst1, D. Ivy2, D.B. Badesch3, R.L. Benza4, C.G. Elliott5, H.W. Farber6, A.E. Frost7, A. Krichman8, T.G. Liou9, G.E. Raskob10, P. Wason11, K. Feldkircher11, A.J. Foreman12, M.D. McGo0n13 1Columbia University College of Physicians & Surgeons, New York, NY; 2University of Colorado Denver School of Medicine, The Children’s Hospital, Aurora, CO; 3University of Colorado Health Sciences Center, Aurora, CO; 4Allegheny General Hospital, Pittsburgh, PA; 5Intermountain Medical Center, Murray, UT; 6Boston University School of Medicine, Boston, MA; 7Baylor College of Medicine, Houston, TX; 8Duke University Medical Center, Durham, NC; 9University of Utah, Salt Lake City, UT; 10University of Oklahoma Health Sciences Center, Oklahoma City, OK; 11Actelion Pharmaceuticals US, Inc., South San Francisco, CA; 12ICON Clinical Research, San Francisco, CA; 13Mayo Clinic, Rochester, MN

(398) Plasma Matrix Metalloproteinase Levels and Disease Severity in Pulmonary Arterial Hypertension; K. Jasti, S. Bhashyam, C. Melegari, D. Vido, L. Machen, R. Benza, S. Murali 1Gerald McGinnis Cardiovascular Institute, Allegheny General Hospital, Pittsburgh, PA

(399) Endothelin-1 (ET-1) across the Lung Circulation in Patients with Pulmonary Arterial Hypertension and Influence of Epoprostenol Infusion; N. Selimovic1, C. H. Bergh1, B. Andersson1, E. Sakiniene2, H. Carlsten2, B. Rundqvist1 1Sahlgrenska University Hospital, Gothenburg, Sweden; 2Sahlgrenska University Hospital, Gothenburg, Sweden

(400) Reverse Remodelation of the RV in Patients with PAH Treated with Ambrisentan; S. Blalock2, F. Torres1, K. Chin1, R. Peshock1, S. Matulevicius1 1UT Southwestern Medical Center, Dallas, TX; 2UT Southwestern Medical Center, Dallas, TX

(401) Outcome of Patients with Primary Pulmonary Hypertension after Lung Transplantation; B. Zweytick1, P. Jaksh1, M. Keplinger1, K. Czebe2, W. Klepetko1 1General Hospital Vienna, Vienna, Austria; 2Pulmology, Budapest, Hungary

(402) Scaffold Manufacturing for Heart Valve Tissue Engineering; Y. L. Elgudin1, M.E. Smith3, B. Cmolik1, D. Golovaty4, N.J. Greco2, M. Laughlin2, G.E. Wnek3 1Cleveland VA Medical Center, Case Western Reserve University School of Medicine, Cleveland, OH; 2University Hospitals of Cleveland Case Medical Center, Cleveland, OH; 3Case Western Reserve University, Cleveland, OH; 4University of Akron, Akron, OH

(403) Immunosuppressive or Immunogenic? Culture Medium Strongly Influences the In Vitro Immunomodulatory Properties of Mesenchymal Stem Cells (MSC); A. Poncelet1, P. Gianello1, J. Vercruysse1, C. Lecuivre1,2, Y. Nizet1,2 1Université Catholique de Louvain, Brussels, Belgium; 2Université Catholique de Louvain, Brussels, Belgium

(404) Immune Modulatory Properties of Mesenchymal Stem Cells Are Independent of Their Derived-Tissue of Origin and Are Maintained across Xenogeneic Barriers; A. Poncelet1, D. Dufrane1, C. Lecuivre1,2, Y. Nizet1,2, P. Gianello1 1Université Catholique de Louvain, Brussels, Belgium; 2Université Catholique de Louvain, Brussels, Belgium

(405) Cytokine Enhancement with HGF or VEGF in the Infarct Border Zone Is Key to Attenuating the Negative Remodeling after Myocardial Infarction; S. Schreper1, T. Deuse1, C. Peter2, B. Stein1, H. Reichenspurner6, W.H. Zimmermann4, T. Eschenhagen4, M.P. Pelletier1, R.C. Robbins1 1Stanford University School of Medicine, Stanford, CA; 2Stanford University School of Medicine, Stanford, CA; 3University Heart Center, Hamburg, Germany

(406) Novel Nuclear Proteins in Mouse Lung Alveolar Development; S.K. Murari, J. Dong, S. Sutor, T. Kislinger, D.A. Wigle Mayo Clinic, Rochester, MN

6:30 PM – 7:30 PM
Junior Faculty and Trainee Council Meeting (Room 241)

FRIDAY, APRIL 24, 2009
7:45 AM – 8:45 AM
SCIENTIFIC COUNCIL MEETINGS
Scientific Council on Pediatric Transplantation Meeting (Room 241)
Scientific Council on Nursing and Social Science Meeting (Room 243)
Scientific Council on Pulmonary Transplantation Meeting (Room 252)
Scientific Council on Heart Failure and Transplant Medicine Meeting (Room 242AB)

9:00 AM – 11:00 AM
PLENARY SESSION (Main Theatre)
Chairs: Stephan Schueler, MD, PhD and Robert L. Kormos, MD

9:00 AM Invited Lecture: Cardiac Repair: Progress and Pitfalls, Loren J. Field, MD, Indiana University, Indianapolis, IN

9:30 AM (407) Featured Abstract: Clinical Durability and Low Incidence of Pump Replacement of a Continuous-Flow Left Ventricular Assist Device; N. Moazami1, G.A. Ewald2, F.D. Paganini2, R. John1, T.E. MacGillivray4, L. Chen6, W.P. Dembitsky7, D.J. Farrar1, O.H. Frazier8 Washington University School of Medicine, St. Louis, MO; 2University of Michigan, Ann Arbor, MI; 3University of Minnesota, Minneapolis, MN; 4Massachusetts General Hospital, Boston, MA; 5University of Rochester, Rochester, NY; 6Sharp Memorial Hospital, San Diego, CA; 7Thoratec Corporation, Pleasanton, CA; 8Texas Heart Institute, Houston, TX

9:45 AM (408) Featured Abstract: Important Improvements in Quality of Life after MCSD Implant: First Results from INTERMACS; K.L. Grady1, K.L. Ulisney2, J.K. Kirklin3, D.C. Naftel3, A.C. Gelijns4, J.B. Young5, T. Martin6, K. Chisholm7, A. Moskowitz8 Bluhm Cardiovascular Institute Northwestern University Medical Center, Chicago, IL; 2University of Alabama at Birmingham, Birmingham, AL; 3Columbia University Medical Center, New York, NY; 4Cleveland Clinic Foundation, Cleveland, OH; 5Newark Beth Israel Hospital, Newark, NJ; 6University of Arizona Medical Center, Tucson, AZ; 7University of Arizona Medical Center, Tucson, AZ; 8Columbia University, New York, NY

10:00 AM (409) Featured Abstract: Use of INTERMACS Criteria To Assess Major Clinical Outcomes in Children Bridged to Heart Transplant Using Mechanical Circulatory Support; M.L. Stein1, R. Robbins1, A. Sabati1, O. Reinhart1, C. Chin1, E. Liu2, D. Bernstein1, S. Roth1, G. Wright1, B. Reitz1, D.N. Rosenthal1 Stanford University, Stanford, CA; 2Lucile Packard Children’s Hospital, Stanford, CA


10:30 AM Invited Lecture: Novalung/ECMO Point Counterpoint, Martin Stueber, MD, Hannover Medical School, Hannover, Germany and David P. Mason, MD, Cleveland Clinic Foundation, Cleveland, OH

11:00 AM – 11:30 AM
ANNUAL BUSINESS MEETING (Main Theater)

11:00 AM – 11:30 AM
Coffee Break/View Posters/Visit Exhibits (Hall Maillot)

11:00 AM – 7:30 PM
Exhibit Hall Open (Hall Maillot)

11:30 AM – 1:00 PM
CONCURRENT SESSION 25: Optimizing Outcomes After Mechanical Circulatory Support (Main Theatre)
Chairs: Leslie W. Miller, MD and Emma Birks, MRCP

11:30 AM (411) Poor Outcomes Resulting from Ventricular Assist Devices Implanted in Hospitals without Dedicated VAD Programs; A.C. Anyanwu, S. Pinney, K. Ashley, K. Hammond, D.H. Adams Mount Sinai Medical Center, New York, NY

11:45 AM (412) Twenty-Five Patients with Aortic Valve Closure Associated with HeartMate LVAD Insertion; R.M. Adamson, W.P. Dembitsky, S. Baradarian, J. Chamas, B. Jaski, P. Hoagland, S. Chillcott, M. Stahovich, V. McCalmont, K. Ortiz Sharp Memorial Hospital, San Diego, CA; 2Sharp Memorial Hospital, San Diego, CA; 3Sharp Memorial Hospital, San Diego, CA
12:00 PM (413) Outcomes of Patients over 70 Receiving Left Ventricular Assist Devices; M. Stahovich, S. Chillcott, R. Adamson, S. Baradarian, J. Chammus, B. Jaski, P. Hoagland, W. Dembitsky
Sharp Memorial Hospital, San Diego, CA

12:15 PM (414) Improved Survival with Simultaneous RVAD Placement in LVAD Recipients at High Risk for RV Failure; J.E. Patrick, L.W. Miller, S.W. Boyce
Washington Hospital Center/Georgetown University Hospital, Washington, DC

University of Alabama at Birmingham, Birmingham, AL; University of Alabama at Birmingham, Birmingham, AL

University of Pittsburgh, Pittsburgh, PA; University of Alabama, Birmingham, Birmingham, AL; Brigham and Women's Medical Center, Boston, MA; Duke University Medical Center, Durham, NC; National Heart, Lung and Blood Institute, Bethesda, MD; University of Michigan Medical Center, Ann Arbor, MI

11:30 AM – 1:00 PM CONCURRENT SESSION 26: Heart Transplantation: Clinical Challenges (Blue Theatre)

Mayo Clinic, Rochester, MN; Mayo Clinic, Rochester, MN

11:45 AM (418) Should We Retransplant in Early Graft Failure?; N. Vistarini, C. Pellegrini, M. Aiello, G. Silvaggio, C. Monterosso, B. Cattadori, A.M. D'Armini, M. Vigano Fondazione IRCCS Policlinico San Matteo, Pavia, Italy

12:00 PM (419) Heart Transplantation in HIV Positive Patients; N. Uriel, U.P. Jorde, V. Cotarlan, P.C. Colombo, M. Farr, S.W. Restino, M.C. Deng, D.M. Mancini
Columbia University Medical Center, New York, NY

David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

Mayo Clinic, Rochester, MN

12:45 PM (422) Clinical Outcome of Orthotopic Heart Transplantation for End-Stage Heart Disease Due to Mediastinal Radiation Therapy; N. Uriel, A. Vainrub, V. Cotarlan, U.P. Jorde, Y. Naka, D.M. Mancini
Columbia University Medical Center, New York, NY

11:30 AM – 1:00 PM CONCURRENT SESSION 27: Gastric Aspiration: Pathway to Allograft Injury (Salle Maillot)

11:30 AM (423) Effect of Gastric Juice from Patients “on” Acid Suppressive Therapy (PPI) on Human Bronchial Epithelial Cells; V. Mertens, K. Blondeau, A. Pauwels, R. Vos, B. Vanaudenaerde, D.E. Van Raemdonck, G.M. Verleden, D. Sifrim, L.J. Dupont
University Hospital Gasthuisberg, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium

University of Newcastle, Newcastle upon Tyne, United Kingdom; University of Newcastle, Newcastle upon Tyne, United Kingdom

12:00 PM (425) Gastroesophageal Reflux Disease Increases the Rate of Acute Rejection in Lung Transplant Allografts; N.S. Shah, K.V. Leeper, K.A. Easley, J. Qian, S.D. Force, A.A. Gaf, A.M. Ramirez, D.C. Neujahr, E.C. Lawrence, A. Pelaez
Emory University School of Medicine, Atlanta, GA; Emory University School of Medicine,
12:15 PM (426) Exhaled Breath Condensate Pepsin Correlates with BAL Pepsin: A Potential Marker of GERD Post Lung Transplantation?; A. Krishnan¹, D.H. Yates¹, S. Chow², M.A. Malouf¹, M.L. Pilt¹, A.R. Glanville¹ ¹St.Vincent’s Hospital, Sydney, New South Wales, Australia; ¹University of New South Wales, Sydney, NSW, Australia

12:30 PM (427) Aspiration of Gastric Components in Lung Transplant Recipients: Do Bile Acids Account for the Inflammatory Reaction?; V. Mertens¹, K. Blondeau¹, A. Pauwels¹, R. Vos², B. Vanaudenaerde², D.E. Van Raemdonck²°³, G.M. Verleden²°³, D. Sifrim¹, L.J. Dupont¹°³ ¹University Hospital Gasthuisberg, Leuven, Belgium; ²University Hospital Gasthuisberg, Leuven, Belgium; ³University Hospital Gasthuisberg, Leuven, Belgium

12:45 PM (428) Preoperative Gastroesophageal Reflux Impacts Early Outcomes after Lung Transplantation; S.C. Murthy¹, E.R. Nowicki¹, D.P. Mason¹, M.M. Budev², A.I. Nunez¹, L. Thuita³, J.T. Chapman², G.B. Pettersson¹, E.H. Blackstone³ ¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH; ³Cleveland Clinic, Cleveland, OH

11:30 AM – 1:00 PM
CONCURRENT SESSION 28: Steroid Free Immunosuppression: Myth or Reality (252 AB)

11:30 AM Invited Lecture: Steroid Free Immunosuppression: Scientific Rationale, Lori J. West, MD, D.Phil, Edmonton, Canada

11:45 AM (429) Alemtuzumab Induction Facilitates Steroid-Free Immunosuppression in Human Cardiac Transplantation – One Year Outcomes; J.J. Teuteberg¹, M. Shullo², R. Zomak³, J. Bhama³, Y. Toyoda³, C. Bermudez³, D. McNamara¹, R.L. Kormos³, K. McCurry³ University of Pittsburgh, Pittsburgh, PA; ²University of Pittsburgh, Pittsburgh, PA; ³University of Pittsburgh, Pittsburgh, PA

12:00 PM (430) Alemtuzumab Induction Therapy in Lung Transplantation: Early Outcomes; K. van Loenhout¹, S. Groyes², S. Moainie¹, M. Galazka², B. Sherman³, S. O’Keefe³, C. Wade³, E. Britt², S. Lesser², N. Todd², P. van Hal¹, B. Griffith⁴, A. Iacono² ¹Erasmus University, Rotterdam, Netherlands; ²University of Maryland School of Medicine, Baltimore, MD; ³University of Maryland School of Medicine, Baltimore, MD

12:15 PM (431) A Prospective Trial of Steroid Discontinuation in Stable Heart Transplant Patients as Guided by Serum Cortisol Measurement; D.A. Baran, A. Pillai, A. Patil, S. Pardi, C. Rosenfeld, M. Camacho, M.J. Zucker Newark Beth Israel Medical Center, Newark, NJ


12:45 PM (433) Does Molecular Diagnostic Testing Offer an Insight in the Differential Effects of Cyclosporine and Tacrolimus on Immune Activation?; J. Patel¹, T.M. Rowe², A. Hicks³, S.R. Hankins⁴, H.J. Eisen⁴ ¹Drexel University, Philadelphia, PA; ²Hahnemann University Hospital, Philadelphia, PA; ³Drexel University College of Medicine, Philadelphia, PA; ⁴Drexel University College of Medicine, Philadelphia, PA

11:30 AM – 1:00 PM
CONCURRENT SESSION 29: Novel Therapeutics Targeting Rejection and Injury (242 AB)

11:30 AM (434) Identifying PKC Epsilon as a Target Molecule To Control Intimal Hyperplasia; S. Schrepfer¹, T. Deuse¹, E. Churchill², T. Koyanagi², R.C. Robbins¹, D. Moehly-Rosen² ¹Stanford University School of Medicine, Stanford, CA; ²Stanford University School of Medicine, Stanford, CA

11:45 AM (435) CXCR3 and CCR5 in Acute and Chronic Rejection; W. Sherman¹, S. Bastani¹, G.T. Schnickel¹, G.R. Hsieh¹, R. Bhatia¹, M.C. Fishbein¹, A. Ardehali¹ ¹David Geffen School of Medicine at UCLA, Los Angeles, CA

12:00 PM (436) Combined Ex Vivo IL-4 and IL-10 Gene Therapy Reduces Chronic Rejection in Cardiac Allografts; G. Cui¹,², H. Furukawa¹, J. Xu¹, H. Laks¹, L. Sen¹,² ¹David Geffen School of Medicine at UCLA, Los Angeles, CA; ²David Geffen School of Medicine at UCLA, Los Angeles, CA
12:15 PM (437) Development of Cyclin Kinase Inhibitor as a Potent Immunosuppressive Drug; A.K. Khanna OncoDetect Inc., Clarksville, MD

12:30 PM (438) LPS Preconditioning Confers Ischemic Tolerance in the Lung through a MyD88-Independent Pathway; J.C. Keech, E. Fitzsullivan, P.S. Wolf, H.E. Merry, M.S. Mulligan University of Washington, Seattle, WA

12:45 PM (439) Vasactive Intestinal Peptide and CD26/Dipeptidyl-Peptidase IV: Influence on Ischemia/Reperfusion-Injury in a Mouse Model of Orthotopic Pulmonary Transplantation; W. Jungrailthmayr, I. De Meester, I. Inci, M. Bain, S. Hillinger, K. Augustyns, S. Armi, S. Scharpe, W. Weder, S. Korom University Hospital Zurich, Zurich, Switzerland; 2University of Antwerp, Antwerp, Belgium

11:30 AM – 1:00 PM CONCURRENT SESSION 30: Social Support - "The Good, the Bad, and the Lonely" (241)

11:30 AM (440) Emotional Experiences of Caregivers of Patients Discharged on Ventricular Assist Device (EECVAD); A.F. Kaan, Q. R. Young, S. Cockell, M.H. Mackay St Paul's Hospital, Vancouver, BC, Canada

11:45 AM (441) Return to Work, Education and Social Activities after Lung Transplantation; D. Delva, A. Schoonis, D. Van Raemdonck, L. Dupont, G. Verleden University Hospitals Leuven, Leuven, Belgium; University Hospitals Leuven, Leuven, Belgium; University Hospitals Leuven, Leuven, Belgium; University Hospitals Leuven, Leuven, Belgium; University Hospitals Leuven, Leuven, Belgium

12:00 PM (442) Social Support and Optimism Impact Depression and Caregiver Burden among Organ Transplant Candidates and Their Caregivers; S. Holtzman, S. E. Abbe, L. G. Singer, H. J. Ross, D. E. Stewart University Health Network, University of Toronto, Toronto, ON, Canada; 2University Health Network, University of Toronto, Toronto, ON, Canada; 3University of Toronto, Toronto, ON, Canada

12:15 PM (443) Social Isolation and Depression as Predictors of 12 Month Outcomes in the Waiting for a New Heart Study; G. Weidner, H. Spaderna, D. Zahn, J. M. A. Smits, Johannes Gutenberg University, Mainz, Germany; 2Eurotransplant International Foundation, Leiden, Netherlands

12:30 PM (444) Does High Risk Status Identified by Pre-Transplant Social Worker and Psychiatric Evaluation Predict Outcome after Heart Transplant?; E. Moreno, A. Vallecra, J. Patel, M. Kawano, D. Lockhart, S. Montgomery, C. Burch, L. Rangel, T. Kao, K. Kiyosaki, S. Wong, A. Ankrom, L. Ventura, M. Kittleson, J. Moriguch, E. Shao, A. Ardehali, J. A. Kobashigawa, 3David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

12:45 PM (445) The Validation of the STOP-D in Heart Transplant: A One-Minute Screening Tool That Provides Severity Scores for Depression, Anxiety, Stress and Social Support; Q.-R. Young, A. Kaan, A. Ignaszewski St Paul's Hospital, Vancouver, BC, Canada

1:00 PM – 1:30 PM BOX LUNCH PICK-UP (box lunches may be picked up in the Registration Area; advance purchase and ticket required; lunch seating is available in Salle Maillot and Blue Theater foyers; food and drink are not allowed in the Main Theatre or the Blue Theatre; ticket required for box lunch only; symposium open to all meeting delegates)

1:30 PM – 2:45 PM MID-DAY SYMPOSIUM: Generics in Thoracic Transplantation: Boon or Bane? (Main Theater)

1:30 PM Why Worry About Generics? Patricia A. Uber, Pharm.D, University of Maryland, Baltimore, MD

1:45 PM Perspective from the Americas, Heather Ross, MD, MHS, FRCP(c), Toronto General Hospital, Toronto, Ontario, Canada

2:00 PM Perspective from Eurasia, Andreas O. Zuckermann, MD, University of Vienna, Austria

2:15 PM Does the Pediatric Population Represent a Unique Challenge? Stuart Sweet, MD, PhD, St Louis Children’s Hospital, St. Louis, MO
2:30 PM Panel Discussion, Paul Corris, MB, FRCP, Katherine Hoercher, RN, Heather Ross, MD, MHSc, FRCP(c), Stuart Sweet, MD, PhD, Andreas O. Zuckermann, MD, Patricia A. Uber, Pharm.D, and Fernando Bacal, MD, PhD

1:15 PM – 2:45 PM
FELLOWS LUNCHEON (Room 243) (pre-registration and ticket required)

1:15 PM – 2:45 PM
Standards and Guidelines Committee Meeting (Room 273) (bring your own box lunch)

1:15 PM (446) Dynamic Regulation of Micro RNAs in Ischemic Cardiac Remodeling and Heart Failure; R. Ali, R.W. Kim, G. Tellides, A. Geirsson Yale University School of Medicine, New Haven, CT

1:20 PM (447) Egrf7 Suppresses ICAM-1 Expression in Response to H/R Injury and Tacrolimus; M.V. Badiwala, R. Zener, L.C. Tumiati, J.L. Prodger, R. Sheshgiri, V. Yao Toronto General Hospital, Toronto, ON, Canada

1:25 PM (448) Nanotechnology-Based Src Protein Tyrosine Kinase Inhibition To Prevent Lung Reperfusion Injury; T. Oyaizu, S. Y. Fung, A. Shiozaki, B. Han, S. Keshavjee, M. Liu University Health Network, University of Toronto, Toronto, ON, Canada


1:35 PM (450) Increased Endothelial Permeability after Anti-HLA I Administration; M. Bieri1, M. Oroszlan1, N. Ligeti1, J. Bieri2, P. Mohacsy1 1Swiss Cardiovascular Center, University of Bern, Bern, Switzerland; 2Lindehof Hospital, Bern, Switzerland

1:40 PM (451) A Revisit to the Pathogenesis of Allograft Fibrosis: Intrgraft Fibroblasts Derive from Heterogeneous Progenitors; G. Wu, Y. He, H. Wang, A.S. Klein Cedars-Sinai Medical Center, Los Angeles, CA

1:45 PM (452) Brain Stem Death Induced Pulmonary Hypertension and Bronchiole Damage in an Ovine Model; J. Fraser1, M. Nataatmadja2, M. Passmore2, K. Dunster1, F. Kermeen1 1Prince Charles Hospital, Brisbane, Queensland, Australia; 2University of Queenslan, Brisbane, Queensland, Australia

1:50 PM (453) Fresh and Cryopreserved Vascular Allografts Suppress Methicillin-Resistant Staphylococcus aureus Proliferation Via Indoleamine 2,3-Dioxygenase (IDO) Expression; E.E. Karimov1, N. Motomura1, K. Sakuta1, K. Kakimi2, K. Naru3, N. Noguchi3, S. Takamoto1 1Graduate School of Medicine of the University of Tokyo, Tokyo, Japan; 2Graduate School of Medicine of the University of Tokyo, Tokyo, Japan; 3Tokyo University of Pharmacy and Life Science, Tokyo, Japan

1:55 PM (454) Targeting Lymphatic Vessel CCL21 Production by VEGFR-3 Inhibition Prevents Cardiac Allograft Rejection and Arteriosclerosis; A.I. Nykanen1, H. Sandelin1, R. Krebs1, M.A.I. Keranen1, R. Tuuminen1, T. Karpanen2, Y. Wu3, B. Pytowski3, P.K. Koskinen3, S. Yla-Herttuala3, K. Alitalo2, K.B. Lemstrom1 1University of Helsinki, Helsinki, Finland; 2University of Helsinki, Helsinki, Finland; 3ImClone, New York, NY; 4University of Kuopio, Kuopio, Finland

2:00 PM (455) Surgical Repair of Gastroesophageal Reflux in Lung Transplant Recipients Is Associated with Decreased Armed Effector T Cells and Increased Exhausted T Cells within the Allograft; D.C. Neujahr1, A. Pelaez1, A. Ramirez1, S.D. Force2, E.C. Lawrence1, A.C. Cardona1, A.D. Kirk2, C.P. Larsen2 1Emory University, Atlanta, GA; 2Emory University, Atlanta, GA

2:05 PM (456) Preclinical Orthotopic Cardiac Xenotransplantation; C.G.A. McGregor1, G.W. Byrne1, M. Vlasin1, R.C. Walker2, H.D. Tazelaar2, W.R. Davies1, K. Chandrasekaran2, E.A. Oehler2, B.A. Boilson2, B.S. Wiseman1, J.S. Logan1 1Mayo Clinic, Rochester, MN; 2Mayo Clinic, Rochester, MN

2:10 PM (457) Regulation of the RNA Inhibition Component Dicer in Lung Transplant Rejection; M. Keplinger1, P. Jaksch1, B. Zweytick1, B. Ghanim1, W. Klepetko1, G. Dekan2, A. Soleiman2 1General Hospital of Vienna, Vienna, Austria; 2General Hospital of Vienna, Vienna, Austria
2:15 PM (458)  Nodular Inflammatory Infiltrates with B-Lymphocytes: Incidence in Heart Allograft Biopsies; D.M. Lam-Himlin, C. Sailey, A.P. Burke University of Maryland Medical Center, Baltimore, MD

2:20 PM (459)  Altered Micro-RNA Expression in the Heart after LVAD Support; H.F.J. Dullens1, J. van Kuik1, M.E.I. Schipper1, N. de Jonge2, R.A. de Weger1 1University Medical Center Utrecht, Utrecht, Netherlands; 2University Medical Center Utrecht, Utrecht, Netherlands


2:30 PM (461)  Intragraft Authentication of Peripheral Transcriptomic Molecular Biomarkers for Cardiac Allograft Rejection; M.R. Mehra, J. Xu, P.A. Uber, C. Baquet, A. Khanna University of Maryland School of Medicine, Baltimore, MD

1:15 PM – 2:45 PM  MINI-ORAL SESSION 6 (252 AB)

Chairs: Mazen A. Hanna, MD and Bruno M. Meiser, MD

1:15 PM (462)  Long-Term Effects of Sildenafil on Pulmonary Pressures and Right Heart Function in Heart Transplant Recipients; J.E. Wilcox, W.G. Cotts, S. Zeigler, P. Kansal, J.B. O’Connell, K.L. Grady, G. Ferguson, E.C. McGee, L. Klein Northwestern University Feinberg School of Medicine, Chicago, IL

1:20 PM (463)  Addressing the Myth of Elevated Bilirubin as a Contraindication to Heart Transplantation; J. Patel1, M. Kawano1, K. Kiyosaki1, E. Shao1, A. Ankrøm1, M. Kittleson1, J. Moriguchi1, A. Ardehali2, J. Kobashigawa3 1David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

1:25 PM (464)  The Allomap Test Fails To Distinguish between Quilty Lesions and Acute Allograft Rejection in Heart Transplant Patients; R.M. Kabadi1, B. Ebert1, C. Flannagan1, J.L. Farber2, P.J. Mather1 1Thomas Jefferson University Hospital, Philadelphia, PA; 2Thomas Jefferson University Hospital, Philadelphia, PA

1:30 PM (465)  Cellular Changes Associated with Increased Left Ventricular Mass Following Cardiac Transplantation; D.V. Miller1, R.J. Rodeheffer2, S.S. Kushwaha1, R.P. Frantz2, A.L. Clavell2, N.L. Pereira2 1Mayo Clinic, Rochester, MN; 2Mayo Clinic, Rochester, MN

1:35 PM (466)  Long-Term Effects of the Selective I; Channel Antagonist Ivabradine in Stable Patients after Heart Transplantation; A.O. Doesch1, K. Ammon1, M. Konstandin1, S. Celik1, L. Frankenstein1, B. Sebastian1, F.-U. Sack2, H.A. Katus1, T.J. Dengler1 1University of Heidelberg, Heidelberg, Germany; 2University of Heidelberg, Heidelberg, Germany

1:40 PM (467)  Microvasculopathy Precedes Epicardial Coronary Stenosis in Heart Transplant Patients with Cardiac Allograft Vasculopathy; F. Tona1, E. Osto1, G. Tarantini1, M. Napodano1, A. Gambino2, A. Vinci1, A. Ramondo1, G. Gerosa2, A.L.P. Caforio1, S. Iliceto1 1University of Padova, Padova, Italy; 2University of Padova, Padova, Italy

1:45 PM (468)  Microvascular Dysfunction and Suboptimal Glycemic Control Predicts Poor Outcome Following Heart Transplantation; P. Khazanie1, F. Haddad2, A.M. Simos3, D.M. Weisshaar4, S.V. Desai2, M. Pham2, T.L. McLaughlin5, M.G. Shah6, S.A. Hunt6, H.A. Valantine2, W. Fearon2 1Stanford University, Stanford, CA; 2Stanford University, Stanford, CA; 3Stanford University, Stanford, CA; 4Kaiser Permanente-Santa Clara, Santa Clara, CA; 5Stanford University, Stanford, CA

1:50 PM (469)  Increased Incidence of Acute Graft Rejection on CNI-Free Immunosuppression after Heart Transplantation; S. Celik1, T.J. Dengler1, A.O. Doesch1, M.H. Konstandin1, A.V. Kristen1, F.-U. Sack2, P. Schnabel3, H.A. Katus1 1Med III, Heidelberg, Ba-Wü, Germany; 2Cardiac Surgery, Heidelberg, Ba-Wü, Germany; 3Pathology, Heidelberg, Ba-Wü, Germany

1:55 PM (470)  Patient-Specific Longitudinal Patterns of AlloMap Test Scores – Path towards Personalized Medicine?; M.C. Deng1, B. Halpern1, H. Wolters2, M. Cadéiras1, A. Hicks3, T. Rowe3, K. Shahzad1, T. Klinger2, H.J. Eisen3 1Columbia University Medical Center, New York, NY; 2Dx, South San Francisco, CA; 3Drexel University College of Medicine, Philadelphia, PA

2:00 PM (471)  Outcome of Heart Transplantation with Preoperative Prophylactic Approach for Sensitized Recipients with Donor Specific Antibodies; S. Saheb1, S. Varnous2, C. Suberbielle Boisset3, R. Makri4, C.E. Luyt5, N. Azar1, F. Fernandez2, E. Vaissier1, A. Pavié1, P. Leprince2 1UPMC, APHP, Pitié Salpêtrière, Paris, France; 2UPMC, APHP, Pitié Salpêtrière, Paris, France
2:05 PM (472) The Problem of Rejection in Redo Heart Transplant Recipients; E. Shao¹, M. Kawano¹, J. Patel¹, M. Kittleson¹, A. Ankrom¹, K. Kiyosaki¹, J. Moriguchi, A. Ardehali¹, J. Kobashigawa¹. David Geffen School of Medicine at UCLA, Los Angeles, CA; ²David Geffen School of Medicine at UCLA, Los Angeles, CA

2:10 PM (473) Inter-Observer Variability in the Interpretation of Cardiac Biopsies Remains a Challenge: Results of the Cardiac Allograft Rejection Gene Expression Observational (CARGO) II Study; M.G. Crespo-Leiro¹, U. Schulz², J. Vanhaecke³, A. Zuckermann⁴, C. Bara⁵, P. Mohacsi⁶, R.C. Bogaev⁷, A. Boyle⁸, H. Ross⁹, J. Parameshwar¹⁰, M. Zakliczynski¹¹, R. Fiocchi¹², J. Stypmann¹³, D. Hoefer¹⁴, H. Lehmkuhl¹⁵, M.C. Deng¹⁶, P. Leprince¹⁷, G. Berry¹⁸, C.C. Marboe¹⁹, S. Stewart²⁰, H.D. Tazelaar²¹, M. Brown²², H.M. Baron²². Complejo Hospitalario Universitario Juan Canalejo, La Coruña, Spain; ²Heart and Diabetes Center North Rhine-Westphalia, Ruhr University of Bochum, Bad Oeynhausen, Germany; ³University Hospital of Leuven, Leuven, Belgium; ⁴Medical University of Vienna, Vienna, Austria; ⁵Hannover Medical School, Hannover, Germany; ⁶University Hospital Bern, Bern, Switzerland; ⁷Texas Heart Institute at St. Luke’s Episcopal Hospital, Houston, TX; ⁸University of Minnesota, Minneapolis, MN; ⁹Toronto General Hospital, Toronto, Canada; ¹⁰Pawporth Hospital, Cambridge, United Kingdom; ¹¹Silesian Center for Heart Disease, Zabrze, Poland; ¹²Ospedali Riuniti di Bergamo, Bergamo, Italy; ¹³Hospital of the University of Münster, Münster, Germany; ¹⁴Innsbruck Medical University, Innsbruck, Austria; ¹⁵Deutsches Herzzentrum, Berlin, Germany; ¹⁶Columbia University College of Physicians & Surgeons, New York, NY; ¹⁷Groupe Hospitalier Pitié-Salpêtrière, Paris, France; ¹⁸Stanford University Medical Center, Stanford, CA; ¹⁹College of Physicians & Surgeons of Columbia University, New York, NY; ²⁰Pawporth Hospital, Cambridge, United Kingdom; ²¹Mayo Clinic, Scottsdale, AZ; ²²XDx, Inc., Brisbane, CA

2:15 PM (474) Combinatorial Diagnostic Biomarkers of Acute Cardiac Allograft Rejection; Z. Hollander¹, G. Cohen Freue², D. Lin³, A. Ignaszewski⁴, C. Imai⁵, A. Kaan⁶, J. Wilson-McManus³, R. Balshaw⁷, R.T. Ng⁸, R.W. McMaster⁷, P. Keown⁹, B.M. McManus³. The University of British Columbia, Vancouver, BC, Canada; ²The University of British Columbia, Vancouver, BC, Canada; ³The University of British Columbia, Vancouver, BC, Canada; ⁴The University of British Columbia, Vancouver, BC, Canada; ⁵The University of British Columbia, Vancouver, BC, Canada; ⁶The University of British Columbia, Vancouver, BC, Canada; ⁷The University of British Columbia, Vancouver, BC, Canada; ⁸The University of British Columbia, Vancouver, BC, Canada; ⁹The University of British Columbia, Vancouver, BC, Canada

2:20 PM (475) Allomap and ImmuKnow – Can They Partner for Post Cardiac Transplant Management?; M. Mathur², C.P. Flanagan¹, E.A. Barbara¹, P.J. Mather¹. Thomas Jefferson University Hospital, Philadelphia, PA; ²Jefferson Medical College, Philadelphia, PA

2:25 PM (476) Virtual Cross-Matching in Heart Transplantation: Large Scale Simulation of Survival after Heart Transplantation Using Artificial Neural Networks; J. Nilsson¹, M. Ohlsson², P. Hoglund³, B. Ekmehag⁴, B. Kouli¹. ¹Institute for Clinical Science, Lund, Sweden; ²Institution for Theoretical Physics, Lund, Sweden; ³Institution for Clinical Science, Lund, Sweden; ⁴Institution for Clinical Science, Lund, Sweden

2:30 PM (477) Whole Blood Genomic Predictive Biomarkers of Acute Cardiac Allograft Rejection; Z. Hollander¹, D. Lin², G. Cohen Freue³, R. Balshaw³, R.T. Ng⁴, J. Wilson-McManus², A. Mui⁵, R.W. McMaster⁶, P. Keown⁷, B.M. McManus³. The University of British Columbia, Vancouver, BC, Canada; ²The University of British Columbia, Vancouver, BC, Canada; ³The University of British Columbia, Vancouver, BC, Canada; ⁴The University of British Columbia, Vancouver, BC, Canada; ⁵The University of British Columbia, Vancouver, BC, Canada; ⁶The University of British Columbia, Vancouver, BC, Canada; ⁷The University of British Columbia, Vancouver, BC, Canada

1:15 PM – 2:45 PM
MINI-ORAL SESSION 7 (242 AB)

1:15 PM (478) Impact of Panel-Reactive Antibodies on Long-Term Outcome in Pediatric Heart Transplant Patients: An Analysis of the United Network of Organ Sharing Database; J.W. Rossano¹, D.L. Morales², S.W. Denfield¹, F. Zafar¹, J.L. Jefferyes¹, J.J. Kim¹, J.S. Heinle², J.A. Towbin¹, W.J. Dreyer¹. Texas Children’s Hospital/Baylor College of Medicine, Houston, TX; ²Baylor College of Medicine, Houston, TX

1:20 PM (479) Association between Donor-Specific HLA Antibodies and Adverse Outcome Following Pediatric Cardiac Transplantation; C. Irving, A. Hasan, V. Carter, A. Gennery, G. Parry, R. Kirk Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

1:25 PM (480) Is HLA Sensitization after Pediatric Thoracic Transplantation Age-Dependent?; S. Urschel¹, S.R. Meyer², L. Larson¹, K. Derkatz¹, K. Tincam², J. Nuebel¹, J. Birnbaum¹, P.M. Campbell¹, L.J. West¹. University of Alberta, Edmonton,
1:30 PM (481) **Heart Transplantation Survival in Infants with Congenital Heart Disease with and without Prior Surgery (ws/wos): A Multi-Institutional Study**; G.J. Boyle¹, K.J. Gulessarian*, J. Zheng², K. Schechtman³, M.D. Everitt⁴, C.M. Nasman¹, C.E. Canter⁵ ¹Children’s Hospital, Cleveland Clinic, Cleveland, OH; ²UT Southwestern Medical Center Children’s Medical Center, Dallas, TX; ³Washington University, St. Louis, MO; ⁴University of Utah, Salt Lake City, UT; ⁵Washington University, St. Louis, MO

1:35 PM (482) **Era Effect on Early and Conditional Survival Adjusted for Baseline Risk Factors in Pediatric Heart Transplant Recipients**; T.P. Singh¹, L.B. Edwards², M.M. Boucek³ ¹Children’s Hospital Boston, Boston, MA; ²ISHLT Registry, Richmond, VA; ³Joe DiMaggio Children’s Hospital, Hollywood, FL

1:40 PM (483) **Everolimus in Pediatric Heart Transplantation: Report on Efficacy, Pharmacokinetics and Safety in Infants below the Age of 1 Year**; H. Lehmkuhl¹, S. Schubert, M. Dandel, C. Knosalla, M. Hubler, O. Grauham, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

1:45 PM (484) **Use of Everolimus in Pediatric Patients after Heart Transplantation: A Single Center Experience**; F.I. Calo Carducci¹, G. Grutter², P. D’Argenio², F. Parisi² ¹Pediatric Hospital “Bambino Gesù”, Rome, Italy; ²Pediatric Hospital “Bambino Gesù”, Rome, Italy

1:50 PM (485) **Association of Socioeconomic Status with Graft Failure in Pediatric Heart Transplant Recipients: Analysis from Pediatric Heart Transplant Study**; T.P. Singh¹, D.C. Nafte², L. Addonizio², W. Mahle³, M.T. Foushee³, S. Zangwill⁴, E.D. Blume¹, J.K. Kirklin², L.B. Edwards³, M.M. Boucek³ ¹Children's Hospital Boston, Boston, MA; ²University of Alabama, Birmingham, AL; ³Columbia University, New York, NY; ⁴Emory University, Atlanta, GA; ⁵Children’s Hospital Wisconsin, Milwaukee, WI; ⁶Loma Linda University Medical Center, Loma Linda, CA

1:55 PM (486) **Cystic Fibrosis Is an Independent Risk Factor for the Development of Bronchiolitis Obliterans Syndrome in Pediatric Lung Transplant Recipients**; N.P. Varghese¹, M.G. Schecter¹, J.S. Heinle¹, D.L. Morales², E. O’Brien Smith¹, G.B. Mallory¹, O. Eldemir² ¹Baylor College of Medicine, Houston, TX; ²Baylor College of Medicine, Houston, TX

2:00 PM (487) **Waitlist Mortality among Children under 12 Years of Age Listed for Lung Transplantation in the United States**; F. Fynn-Thompson¹, G. Visner, K. Gauvreau, G.E. Piercey, D. Boyer, C. Lillehei, T.P. Singh, C.S. Almond ¹Children’s Hospital Boston, Boston, MA

2:05 PM (488) **Exercise Stress Tests in Children with Heart Failure: Peak Oxygen Consumption and Endurance Correlate with Adverse Cardiac Events**; E. Pahl¹, J. Devries¹, K. Ward¹, E. Trapp¹, K. Lazewski¹, C. Sullivan² ¹Children’s Memorial Hospital, Chicago, IL; ²Children’s Memorial Research Center, Chicago, IL

2:10 PM (489) **Maintenance Immunosuppression with Mycophenolate Mofetil: Long-Term Efficacy and Safety after Heart Transplantation**; M. Dandel¹, H.B. Lehmkuhl, R. Jasaityte, C. Knosalla, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

2:15 PM (490) **Prolonged Immunosuppression with Anti-CD25 Monoclonal Antibodies in Long-Term Heart Transplant Patients**; M. Cantarovich¹, N. Giannetti, J.-P. Routy, R. Cecere, J. Barkun McGill University Health Center, Montreal, QC, Canada

2:20 PM (491) **Sirolimus Based Immunosuppression Improves Coronary Endothelial and Vasomotor Function Compared to Calcineurin-Inhibitors in Stable Cardiac Transplant Recipients**; E. Raichlin¹, A. Prasad², W.K. Kremers², B.S. Edwardrs³, R.S. Charanjit³, A. Lerman³, S.S. Kushwaha⁴ ¹Mayo Clinic, Rochester, MN; ²Mayo Clinic, Rochester, MN; ³Mayo Clinic, Rochester, MN; ⁴Mayo Clinic, Rochester, MN

2:25 PM (492) **New Tools for Tacrolimus (Tac) Dose Optimization in Lung Transplant Recipients during the First Post-Transplant Year: Preliminary Results of STIMMUGREP Study**; C. Monchaud¹, M. Estenne³, M. Reynaud-Gaubert⁴, C. Pison¹, M. Stern⁵, R. Kessler⁻, C. Dromer⁸, R. Guillemain⁹, A. Rousseau⁻, F. Marquet¹, ¹Univ Limoges, Limoges, France; ²CHU Limoges, Limoges, France; ³Erasme University Hospital, Université Libre de Bruxelles, Brussels, Belgium; ⁴Hôpital Ste Marguerite, Marseille, France; ⁵CHU Grenoble, Univ Grenoble, Grenoble, France; ⁶Hôpital Foch, Suresnes, France; ⁷Hôpitaux Universitaires de Strasbourg, Strasbourg, France; ⁸Hôpital du Haut-Lévêque, CHU Bordeaux, Pessac, France; ⁹Hôpital European Georges Pompidou, Assistance Publique-Hôpitaux de Paris, Paris, France
2:15 PM (506) ADAMTS 13 Activity in Patients with Suspected Thrombotic Microangiopathy (TMA) after Lung Transplantation; A.C. Metivier, G. Biondi, A. Veyradier, A. Geoffroy, S. Lasocki, E. Azoulay, G. Dauriat, O. Brugiere, M. Fournier, H. Mai, Hospital Bichat, Paris, France; Hospital Beclère, Paris, France; Hospital Bichat, Paris, France; Hospital Saint Louis, Paris, France

2:20 PM (507) Voriconazole Use Increases the Incidence of Skin Cancer in Lung Transplant Recipients; A.A. Feist, S.L. Osborne, P.A. Thistlethwaite, M. Madani, S. Reed, G. Yung, A. Kemp, S. W. Jamieson, University of California Medical Center, San Diego; University of California Medical Center, San Diego; University of California Medical Center, San Diego; University of California Medical Center, San Diego

3:00 PM – 4:30 PM CONCURRENT SESSION 31: New Perspectives in Cardiac Rejection (Main Theatre)

3:00 PM (508) Utility of Routine Immunofluorescence Staining for C4d in Cardiac Transplant Recipients; S. Gupta, J.D. Mitchell, B. Lavingia, W.S. Ring, P.A. Kaiser, P.C. Patel, D.W. Markham, P.P. Mammen, J.M. Dimaio, M.H. Drazner UT Southwestern Medical Center, Dallas, TX

3:15 PM (509) Myocardial Expression of Calreticulin Predicts Ca2+-Dependent Cardiac Allograft Apoptosis in Rejection; S. Aharinejad, O. Andrukhova, M. Gmeiner, A. Thomas, A. Aliabadi, A. Zuckermann, Medical University of Vienna, Vienna, Austria; Medical University of Vienna, Vienna, Austria

3:30 PM (510) AlloMap Molecular Expression Test Has Reduced Discriminatory Value Greater Than Two Years after Cardiac Transplantation; B. Ristow, R. Shaw, D. Miniaci, S. Milechman, E. Lo, E. Haeusslein California Pacific Medical Center, San Francisco, CA

3:45 PM (511) The Benefit of Immune Monitoring (Cylex): A Review of 864 Immune Monitoring Assays in Heart Transplantation; K. Kiyosaki, J. Kobashigawa, J. Patel, J. Patel, A. Ankrom, M. Kittleson, M. Kawano, J. Moriguchi, E. Shao, A. Ardehali, David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

4:00 PM (512) Cardiac Magnetic Resonance Imaging in the Diagnosis of Cardiac Allograft Rejection; A.J. Taylor, G. Vaddadi, I. Iles, H. Pfuger, M. Butler, P. Bergin, A. Leet, M. Richardson, D.M. Kaye, Alfred Hospital and Baker IDI Heart and Diabetes Research Institute, Melbourne, Australia; Alfred Hospital, Melbourne, Australia

4:15 PM (513) Hemodialysis Is Associated with Increased AlloMap Molecular Expression Score in Cardiac Transplant Recipients; B. Ristow, R. Shaw, D. Miniaci, S. Milechman, E. Lo, E. Haeusslein California Pacific Medical Center, San Francisco, CA

3:00 PM – 4:30 PM CONCURRENT SESSION 32: Revelations about Rotary Pumps (Blue Theatre)

3:00 PM (514) Echocardiographic Evaluation of Flow across HeartMate II Axial Flow LVADs at Varying Low Speeds; R.S. George, N.K. Sabharwal, C. Webb, M. Hedger, M.H. Yacoub, G. Dreyfus, A. Khaghani, E.J. Birks, Royal Brompton and Harefield NHS Trust, Uxbridge, Middlesex, United Kingdom; Royal Brompton and Harefield NHS Trust, Uxbridge, Middlesex, United Kingdom; Imperial College, Uxbridge, Middlesex, United Kingdom

3:15 PM (515) WITHDRAWN

3:30 PM (516) LVAD-Related Infections and Readmission Diagnoses Are Decreased in the Era of the Rotary Pump; A. Aziz, J.J. Savla, T.J. Guthrie, S. Schena, A.M. Lee, G.A. Ewald, I.-W. Wang, N. Moazami, Washington University School of Medicine, Saint Louis, MO; Washington University School of Medicine, Saint Louis, MO

3:45 PM (517) Severely Impaired Von Willebrand Factor-Dependent Platelet Aggregation in Patients with Continuous-Flow Left Ventricular Assist Device (HeartMate II); J. Klovaite, F. Gustafsson, K. Sander, S.-A. Mortensen, L.-B. Nielsen, Rigshospitalet, Copenhagen, Denmark; Rigshospitalet, Copenhagen, Denmark
4:00 PM (518) Incidence of Thromboembolic Cerebral Events after Implantation of the Thoratec HeartMate II Left Ventricular Assist Device; T. Krabatsch, E. Potapov, A. Stepanenko, T. Drews, A. Unbehaun, M. Dandel, H.B. Lehmkuhl, R. Hetzer German Heart Institute Berlin, Berlin, Germany

4:15 PM (519) Initial Hospitalization Dominates the Mid-Term Costs for Rotary Left Ventricular Assist Devices; A.M. Lee¹, A. Aziz¹, A.K. Leahy², G. Ridolfi³, I.-W. Wang¹, G.A. Ewald⁴, N. Moazami¹¹Washington University, Saint Louis, MO; ²Barnes-Jewish Hospital, Saint Louis, MO; ³Barnes-Jewish Hospital, Saint Louis, MO; ⁴Washington University, Saint Louis, MO

3:00 PM – 4:30 PM CONCURRENT SESSION 33: Understanding Mechanism in the Development of BOS (Salle Maillot)

3:00 PM (520) Bronchoalveolar Lavage Neutrophilia and MMP-9 at 3 Months Post Lung Transplantation May Predict the Development of BOS; I. Forrest, C. Ward, D. Murphy, V. Ryan, G. Johnson, J. Lordan, A. Fisher, T. Cawston, P. Corris

3:15 PM (521) Epithelial Mesenchymal Transition (EMT) in Bronchiolitis Obliterans Syndrome (BOS) Is Not Restricted to Small Airways; D.C. Chambers¹, B. Banerjee⁶, G. Hodge⁵, P. Hopkins¹, A. Kicic⁵, M. Musk⁴, S. Stick⁵, P. Reynolds⁶, M. Holmes⁷, S. Hodge⁸The Prince Charles Hospital, Brisbane, Queensland, Australia; ²Hanson Institute, Adelaide, South Australia, Australia; ³Royal Adelaide Hospital, Adelaide, South Australia, Australia; ⁴Royal Perth Hospital, Perth, Western Australia, Australia; ⁵Telethon Institute for Child Health Research, Perth, Western Australia, Australia


3:45 PM (523) Cells of Epithelial Lineage Are Detectable in Peripheral Blood and Are Increased in Lung Transplantation; L.A. May¹, A. Kicic⁵, K. Heel⁸, B. Banerjee¹, M. Musk¹, P.M.A. Hopkins⁴, D.C. Chambers¹ Royal Perth Hospital, Perth, WA, Australia; ¹University of Western Australia, Perth, WA, Australia; ²The Prince Charles Hospital, Brisbane, Queensland, Australia

4:00 PM (524) Bronchoalveolar Lavage (BAL) Fluid Fox P3+ T Cells Are Decreased in Lung Transplant Recipients with Bronchiolitis Obliterans Syndrome (BOS); S.M. Bhorade, H. Chen, M. Alegre

4:15 PM (525) Role of Vascular Endothelial Growth Factor Receptors 1 and 2 in Experimental Obliterative Airway Disease; R. Krebs¹, J.M. Tikkonen¹, M. Hollmen¹, Y. Wu², D.J. Hicklin², P.K. Koskinen¹, K.B. Lemstrom¹ University of Helsinki, Helsinki, Finland; ²ImClone Systems Incorporated, New York

3:00 PM – 4:30 PM CONCURRENT SESSION 34: Genes and Peptides: Can They Help Guide Pulmonary Hypertension Management? (252 AB)

3:00 PM (526) ENOS Polymorphisms and 6MWD Interactions in PAH Patients on Endothelin Antagonists; R.L. Benza¹, P. William², A. Torbicki³, D. Langleben⁴, P. Tomás⁵, S. Murali¹, C. Coffey⁷, H. Grenet³, Allegheny General Hospital, Pittsburgh, PA; ²University of Alabama, Birmingham, AL; ³Instytut Gruzlicy, Warsaw, Poland; ⁴Jewish General Hospital, Montreal, Canada; ⁵Instituto Nacional de Cardiologia, Mexico City, Mexico

3:15 PM (527) Agonistic Autoantibodies against Alpha-1 Adrenergic and Endothelin-1 Receptors in Sera of Patients with Pulmonary Arterial Hypertension: Potential Involvement in the Pathogenesis of the Disease; M. Dandel¹, G. Wallukat², A. Englert¹, H.B. Lehmkuhl¹, R. Hetzer¹ ¹Deutsches Herzzentrum Berlin, Berlin, Germany; ²Max Delbrück Centrum für Molekulare Medizin, Berlin, Germany

3:30 PM (528) Endothelin-1 and BNP Plasma Levels Predict Survival in Patients with Pulmonary Arterial Hypertension; R.P. Frantz¹, I.M. Robbins², M.D. McGoon¹, C.J. Severson¹, L.A. Durst¹, K.V. Ballman³, D.E. Grill³, K.R. Bailey¹, J.C. Burnett¹ ¹College of Medicine Mayo Clinic, Rochester, MN; ²Vanderbilt University School of Medicine, Nashville, TN; ³College of Medicine, Mayo Clinic, Rochester, MN
Simultaneous Measurement of Serum N-Terminal Brain Natriuretic Peptide and Troponin T in Risk Assessment of Patients with Precapillary Pulmonary Hypertension; A.K. Andreassen, S. Arora, E. Gude, O.G. Solberg, R. Wergeland. Rikshospitalet University Hospital, Oslo, Norway.


Brain Natriuretic Peptide Levels: The Canary in the Right Ventricular Mine in Pulmonary Arterial Hypertension; R.P. Frantz, P.R. Julsrud, C.G.A. McGregor. College of Medicine, Mayo Clinic, Rochester, MN.


MICA Gene Polymorphisms and Primary CMV Infection in the CMV D+/R- Thoracic Organ Transplants; M. Askar, S. Hemachandra, A. Zhang, D. Picwell, N. Shrestha, D. Van Duin, R. Avery. Cleveland Clinic, Cleveland, OH.


4:00 PM (542) The Systemic Vascular Impairment Seen in CMV-Positive Transplant Recipients Is a Purely Post-Transplant Phenomenon; J. Simmonds, M. Fenton, C. Scott, H. Latch, M. Charakida, M. Burch Great Ormond Street Hospital, London, United Kingdom

4:15 PM (543) CMV-DNA Load Patterns Developing within the First Year after Lung Transplantation Predict Patient Mortality; H. Kerschner1, P. Jaksh1, G. Karigi1, T. Popow-Kraupp1, W. Klepetko2, E. Puchhammer-Stockl1 1Medical University of Vienna, Vienna, Austria; 2Medical University of Vienna, Vienna, Austria; 3Technical University of Vienna, Vienna, Austria

4:30 PM – 5:00 PM
Coffee Break/View Posters/Visit Exhibits (Exhibit Hall)

5:00 PM – 6:30 PM
CONCURRENT SESSION 37: Emergent Analyses of Novel Devices (Main Theatre)
Chairs: Yoshifumi Naka, MD, PhD and Takeshi Nakatani, MD, PhD

5:00 PM (544) Clinical Results of the International HeartWare® LVAS Bridge to Transplant Trial; M. Strueber1, E. Birks2, P. Jansz2, G. O'Driscoll3, G. Wiesethaler3 1Hannover Medical School, Hannover, Germany; 2Harefield Hospital, Harefield, United Kingdom; 3St. Vincent’s Hospital, Sidney, Australia; 4Royal Perth Hospital, Perth, Australia; 5University of Vienna, Vienna, Austria

5:15 PM (545) Initial Clinical Experience with the CircuLite Synergy Partial Circulatory Support Device; B. Meyns1, F. Rega1, W. Droogne1, A. Simon2, S. Klotz2, D. Burkhoft1 1Gasthuisberg University Hospital, Leuven, Belgium; 2Hannover Medical School, Hannover, Germany; 3University Hospital, Muenster, Germany; 4Columbia University, New York, NY

5:30 PM (546) Acute In-Vivo Trial of a Novel Rotary BiVAD/TAH; D. Timms1, J. Fraser1, B. Thompson1, K. McNeil1 1The Prince Charles Hospital, Brisbane, Australia; 2Helmholtz Institute, Aachen, Germany

5:45 PM (547) WITHDRAWN

6:00 PM (548) Experience with the TandemHeart Percutaneous Ventricular Assist Device in Heart Failure Patients Undergoing Cardiac Surgical Procedures; I. Gregoric1, B.A. Bruckner2, B. Kar3, P. Loyalka3, L. Jacob3, R. Delgado3, M. Loebe3, O.H. Frazier1 1Texas Heart Institute, Houston, TX; 2Methodist DeBakey Heart Center, Houston, TX

6:15 PM (549) Incidence and Outcome of Levitronix Support for Early Cardiac Allograft Failure: A UK National Study; H.L. Thomas1, R.S. Bonser2, N.R. Banner3 1NHS Blood and Transplant, Bristol, United Kingdom; 2Queen Elizabeth Hospital, Birmingham, United Kingdom; 3Royal Brompton Harefield NHS Trust, Harefield, United Kingdom; 4On Behalf of the UK Cardiothoracic Transplant Audit Steering Group, London, United Kingdom

5:00 PM – 6:30 PM
CONCURRENT SESSION 38: Donor Contributions to Lung Allograft Function (Blue Theatre)
Chairs: Florian Wagner, MD and Christophe Pison, MD


5:15 PM (551) Beta-Adrenergic Receptor SNPs Are Associated with Lung Graft Utilization; A. Sapru1, L. Pawlikowska1, K. Liu1, K.K. Khush2, L.A. Baxter-Lowe1, W. Babcock2, V. Hayden4, R.L. Menza4, M. Landeck4, J.G. Zaroff5, M.A. Matthay1 1University of California, San Francisco, CA; 2Kaiser Permanente, San Francisco, CA; 3Stanford University School of Medicine, Palo Alto, CA; 4California Transplant Donor Network, Oakland, CA

5:30 PM (552) The Impact of Donor-Recipient Race Matching on Survival after Lung Transplantation – An Analysis of over 11,000 Patients; J.G. Allen1, E.S. Weiss1, C.A. Merlo2, W.A. Baumgartner1, J.V. Conte1, A.S. Shah1 1Johns Hopkins University School of Medicine, Baltimore, MD; 2Johns Hopkins University School of Medicine, Baltimore, MD

5:45 PM (553) Size-Reduced Lung Transplantation: Is It a Solution for Small Recipients?; G. Marulli1, M. Loy1, A. Zuin1, C. Breda1, P. Feltracco2, L. Battistella1, K.L. Oliani1, F. Rea1 1Thoracic Surgery, Padova, Italy; 2Anaesthesiology, Padova, Italy


5:00 PM – 6:30 PM CONCURRENT SESSION 39: Induction Therapy, Clinical Outcomes (Salle Maillot)

5:00 PM (556) Antithymocyte Globulin Induction Therapy for Adult Heart Transplantation; J. Thekkudan, C.A. Rogers, R.S. Bonser, N.R. Banner The Royal College of Surgeons of England, London, United Kingdom

5:15 PM (557) Immunosuppressive Intensity Should Be Reduced in Heart Transplant Recipients Greater Than 70 Years of Age; J.D. Pal1, J.G. Rogers2, C.A. Milano1 1Duke University, Durham, NC; 2Duke University, Durham, NC

5:30 PM (558) Pharmacogenetic Interaction of the NFAT C/G Polymorphism and the Impact of Induction Therapy on Freedom from Significant Rejection after Cardiac Transplantation; J. Teuteberg1, K. Hanley-Yanez2, E. Pippi1, M. Shullo2, C. Bermudez2, B. London1, R. Kormos1, Y. Toyoda3, D. McNamara3 1University of Pittsburgh, Pittsburgh, PA; 2University of Pittsburgh, Pittsburgh, PA; 3University of Pittsburgh, Pittsburgh, PA

5:45 PM (559) No Significant Impact of HLA Specific Antibodies (Ab) and Donor Specific Antibodies (DSA) on Heart Transplant Outcome Subsequent to Thymoglobulin Induction; K. Cao1, B. Coleman2, L.S. Czer3, S. Simsir3, E. Schwarz4, C.-H. Lai5, G. Ong6, Q. Wang1, M. Naim1, N.L. Reinsmoen1 1Cedars-Sinai Health System, Los Angeles, CA; 2Cedars-Sinai Health System, Los Angeles, CA; 3Cedars-Sinai Health System, Los Angeles, CA; 4Cedars-Sinai Health System, Los Angeles, CA


6:15 PM (561) Relationship of Race and Socioeconomic Position with Rejection Incidence in Heart Transplant Recipients; T.P. Singh1, M. Semigran2, K. Gauvreau1, F. Costantino4, D. DeNofrio5, S. Evans1, M. Givertz3 1Children's Hospital Boston, Boston, MA; 2Massachusetts General Hospital, Boston, MA; 3Brigham and Women's Hospital, Boston, MA; 4New England Organ Bank, Watertown, MA; 5Tufts Medical Center, Boston, MA

5:00 PM – 6:30 PM CONCURRENT SESSION 40: Experimental Immunosuppression: Is Regulation the Key? (252 AB)

5:00 PM Invited Lecture: The Role of Chemokines in Transplantation, Richard N. Pierson, III, MD, University of Maryland, Baltimore, MD

5:15 PM (562) The Maintenance of Peripheral Tolerance Following Porcine Lung Transplantation Is Alloantigen Specific; G. Warnecke1, B. Kruse1, S. Thissen1, M. Avsar1, C. Matiaske1, J.H. Karstens2, A.R. Simon1, A. Haverich1, M. Struber1 1Hannover Medical School, Hannover, Germany; 2Hannover Medical School, Hannover, Germany


5:45 PM (564) Lack of CD154 Costimulation Induces Airway Allograft Tolerance Via Uncoupling of Allospecific CD8+ T Cell Proliferation from Effector Function in an IL-12 Independent Manner; P.D. Shah, A.B. Whitlock, E.E. West, J.B. Orens, J.F. McDyer Johns Hopkins University School of Medicine, Baltimore, MD

6:00 PM (565) Increased TGF-β and FoxP3 Expression in Long Term Surviving Pigs after Pulmonary Transplantation; B. Kruse1, S. Thissen1, G. Warnecke1, M. Avsar1, F. Langer1, C. Matiaske1, V. Kaeve1, J.H. Karstens4, A.R. Simon1, A. Haverich1, M. Struber1 1Hannover Medical School, Hannover, Germany; 2Institute for Pathology, Hannover Medical School, Hannover, Germany
6:15 PM (566) Local, Graft Specific Immunosuppression: Experimental Data on Aerosolized Tacrolimus for Airway Transplantation; T. Deuse1, D. Weill2, R.C. Robbins1, B. Reitz1, S. Schrepfer1 1Stanford University School of Medicine, Stanford, CA; 2Stanford University School of Medicine, Stanford, CA

5:00 PM – 6:30 PM
CONCURRENT SESSION 41: Good Heart + Bad Body = Good Outcomes? (242 AB)
Chairs: Stuart D. Russell, MD and Luciano Potena, MD

5:00 PM (567) Risk Factors Associated with Moderate to Severe Renal Failure in Heart Transplant Patients. CAPRI Study; J.F. Delgado1, M. Crespo-Leiro2, M.J. Paniagua2, L. Almenar2, L. Martinez-Dolz3, F. Gonzalez-Vilchez4, M.A. Gomez-Sanchez5, J. Fernandez-Yanez5, B. Diaz-Molina5, E. Roig5, J.M. Arizon5, L. Alonso-Pulpon5, I. Garrido5, L. de la Fuente11, V. Brossa12, T. Blasco13, N. Manito14, J. Muniz12,12 de Octubre, Madrid, Spain; 2Juan Canalejo, A Coruña, Spain; 3Hospital La Fe, Valencia, Spain; 4Marqués de Valdecilla, Santander, Spain; 5Gregorio Marañón, Madrid, Spain; 6Central de Asturias, Oviedo, Spain; 7Hospital Clinic, Barcelona, Spain; 8Reina Sofia, Córdoba, Spain; 9Puerta de Hierro, Madrid, Spain; 10Virgen de la Arrixaca, Murcia, Spain; 11Clinico de Valladolid, Valladolid, Spain, 12Sant Pau, Barcelona, Spain; 13Miguel Servet, Zaragoza, Spain; 14Bellvitge, Barcelona, Spain


5:30 PM (569) Incidence and Outcome of Long-Term Renal Replacement Therapy after Adult Heart Transplantation: A UK National Study; H.L. Thomas1, R. Birch1, R.S. Bonser2, N.R. Banner3 1NHS Blood and Transplant, Bristol, United Kingdom; 2Queen Elizabeth Hospital, Birmingham, United Kingdom; 3Royal Brompton Harefield NHS Trust, Harefield, United Kingdom; 4On Behalf of the UK Cardiothoracic Transplant Audit Steering Group, London, United Kingdom

5:45 PM (570) Pre-Transplant FEV1/FVC but Not FEV1 Alone by Pulmonary Function Testing Predicts Poor Outcome after Heart Transplantation: The Bane of COPD; J. Patel1, E. Shao1, J. Patel1, M. Kawano1, K. Kiyosaki1, A. Ankrom1, M. Kittleson1, J. Moriguchi1, A. Ardehali1, J. Kobashigawa1 1David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

6:00 PM (571) Prevalence and Severity of Renal Dysfunction among 1059 Heart Transplant Patients According to Criteria Based on Serum Creatinine and Estimated Glomerular Filtration Rate: A Cross-Sectional Study; M.G. Crespo-Leiro1, J.F. Delgado2, M.J. Paniagua1, L. Almenar3, L. Martinez-Dolz3, F. Gonzalez-Vilchez4, M.A. Gomez-Sanchez2, J. Fernandez-Yanez2, B. Diaz-Molina2, E. Roig2, J.M. Arizon2, L. Pulpon2, I. Garrido10, L. de la Fuente11, V. Brossa12, T. Blasco13, N. Manito14, J. Muniz11 Complejo Hospitalario Universitario Juan Canalejo, La Coruña, Spain; 12Hospital 12 de Octubre, Madrid, Spain; 13Hospital La Fe, Valencia, Spain; 14Hospital Marques de Valdecilla, Santander, Spain; 15Hospital Gregorio Marañón, Madrid, Spain; 16Hospital Central de Asturias, Oviedo, Spain; 17Hospital Clinic I Provincial, Barcelona, Spain; 18Hospital Reina Sofia, Córdoba, Spain; 19Clinica Puerta de Hierro, Madrid, Spain; 20Hospital Universitario Virgen de la Arrixaca, Murcia, Spain; 21Hospital Clinico de Valladolid, Valladolid, Spain; 22Hospital Santa Creu I Sant Pau, Barcelona, Spain; 23Hospital Miguel Servet, Zaragoza, Spain; 24Hospital de Bellvitge, Barcelona, Spain

6:15 PM (572) Post-Transplant Outcome of Elective vs. LVAD vs. Urgent Patients Undergoing Cardiac Transplantation; D. Zimpfer, S. Mahr, A. Aliabadi, M. Groeisser, D. Dunkler, S. Sandner, G. Wieselthaler, E. Wolner, M. Grimm, A. Zuckermann Medical University Vienna, Vienna, Austria

5:00 PM – 6:30 PM
CONCURRENT SESSION 42: Optimizing the High Risk Heart Transplant Candidate (241)
Chairs: Eulaia Roig Minguell, MD and Allen S. Anderson, MD

5:00 PM (573) Normalization of Fixed Pulmonary Hypertension in Severe Heart Failure Patients with Placement of Left Ventricular Assist Device; R. Zolty1, T. Vittorio1, B. Lowes2, S. Shakar2, A. Brieke2, A. Cannon2, J. Cleveland2, D. D Alessandro3, D. Goldstein3, S. Maybaum3 1Albert Einstein College of Medicine, Bronx, NY; 2University of Colorado Health Sciences Center, Aurora, CO; 3Montefiore Medical Center, Bronx, NY

5:15 PM (574) Sildenafil or Bosentan in Patients Considered Ineligible for Heart Transplantation Because of Severe Pulmonary Hypertension; M. Farrero, F. Perez-Villa, A. Arias, A. Sionis, A. Castel, E. Roig Thorax Institute, Hospital Clinic, Barcelona, Spain
5:30 PM (575) Prognostic Value of Right Ventricular Dysfunction and Pulmonary Artery Hypertension Parameters for Risk Stratification of Patients with Heart Failure; J.M. Barcelo, J. Segovia, M. Gomez-Bueno, P. Garcia-Pavia, M. Cobo, E. Sufrate, J. Mirelis, L. Alonso-Pulpon Hospital Universitario Puerta de Hierro, Majadahonda, Madrid, Spain

5:45 PM (576) Does Treatment of Sensitized VAD Patients Improved Post Heart Transplant Outcomes?; E.A. Hong1, R. Shemin2, A. Ardehali2, F. Esmailian2, M. Kittleson1, J. Patel1, H. Laks2, R. Jocson2, J. Kobashigawa1, J. Moriguchi1 1David Geffen School of Medicine, Los Angeles, CA; 2David Geffen School of Medicine, Los Angeles, CA

6:00 PM (577) Effect of Bosentan® in Candidate to Heart Transplantation with Pulmonary Hypertension Secondary to Congestive Heart Failure; M. Maccherini, C. Tsioulpas, S. Bernazzali, F. Diciolla, E. Borrelli University of Siena, Santa Maria alle Scotte Hospital, Siena, Italy

6:15 PM (578) The Development of Secondary Pulmonary Hypertension in Heart Failure Patients Is a Predictor of Poor Response to Cardiac Resynchronization Therapy; B.A. Boilson, J.M. Miller, C.G. Scott, B.D. Johnson, M. M. Redfield, L.J. Olson Mayo Clinic, Rochester, MN

6:00 PM – 7:30 PM 2010 Program Committee Meeting (Room 243)

6:30 PM – 7:30 PM PAH Guidelines Workforce Meeting (Room 273)

6:30 PM – 7:30 PM GENERAL POSTERS/WINE AND CHEESE RECEPTION (Hall Maillot)

(579) Featured Poster: Pain Factors and Functional Status in pts with Advanced Symptomatic Heart Failure; N.M. Albert1, K. Trochelman1, Z. Sun1, E. Slifcak1, S.J. Goodlin1, S. Wingate1, S. Pressler1, J.R. Teerlink5, C.P. Storey6 1Cleveland Clinic, Cleveland, OH; 2Intermountain Health, Salt Lake City, UT; 3Kaiser Permanente, Silver Spring, MD; 4University of Michigan, Ann Arbor, MI; 5UCSF/VAMC, San Francisco, San Francisco, CA; 6Kaiser Permanente, Denver, CO

(580) Drive Line Site Infections in Patients Selected for Bridged To Transplant (BTT) and Destination Therapy (DT). The UCLA Experience from 2004 – September 2008; C.M. Eisenring, R.M. Jocson, A. Martinez, B. Kubak David Geffen School of Medicine at UCLA, Los Angeles, CA

(581) Gynecological Complications in Adolescent Cardiothoracic Transplant Recipients; D. Guadiz1, D. Tanaka2, M. Carson1, M.V. Horn1, M.S. Woo1 1Childrens Hospital Los Angeles, Los Angeles, CA; 2Childrens Hospital Los Angeles, Los Angeles, CA

(582) Evaluation of after Hours Ventricular Assist Device “Hotline” Calls; A. Kaan, J. Kealy, H. Andrews, N. Gauthier St Paul’s Hospital, Vancouver, BC, Canada

(583) Featured Poster: Physical or Verbal Barriers Are Not Contraindication for Mechanical Assistance; M.A. Murray1, M.A. Murray1, N. Edwards2, M.R. Johnson3, S. Osaki2, L. Lozonchi2, T. Komo2 1University of Wisconsin Hospital, Madison, WI; 2University of Wisconsin Hospital, Madison, WI; 3University of Wisconsin Hospital, Madison, WI

(584) Palliative Care Referrals after Lung Transplantation in Major Transplant Centers in the U.S.; M.K. Song1, A. De Vito Dabbs2, S. Studer3, R. Arnold4 1University of North Carolina at Chapel Hill, Chapel Hill, NC; 2University of Pittsburgh, Pittsburgh, PA; 3Newark Beth Israel Medical Center, Newark, NJ; 4University of Pittsburgh, Pittsburgh, PA

(585) The Topical Management of Drive-Line Infection: The Need for Standardization and Classification; C.A. Wood, H.M. Hayes Royal Perth Hospital, Perth, Western Australia, Australia

(586) Featured Poster: The “Lived Experience” of Pediatric Heart Transplant Recipients; S.J. Anthony1, D.B. Nicholas1, A.I. Dipchand1, R. MacCulloch1, L.J. West3 1The Hospital for Sick Children, Toronto, Canada; 2University of Calgary, Edmonton, Canada; 3University of Alberta, Edmonton, Canada

(587) Evaluating Quality of Life Prior to MCSD Implant Is a Challenge: Results from INTERMACS; K.L. Ulisney1, K.L. Grady2, J.K. Kirklin3, D.C. Nafte1, A.C. Gelins4, A.J. Moskowitz4, J.B. Young5, S.L. Myers5, S.A. Wissman6 1National Heart Lung and Blood Institute, Bethesda, MD; 2Bluhm Cardiovascular Institute, Northwestern University Medical Center, Chicago, IL; 3University of Alabama at Birmingham, Birmingham, AL; 4Columbia University Medical Center, New York, NY; 5Cleveland Clinic Foundation, Cleveland, OH; 6Ohio State University Medical Center, Columbus, OH
(588) Missing Data Imputation Strategies on Long-Term Quality of Life outcome after Heart Transplant; E.C. Wang1, K.L. Grady1, B. Rybarczyk2, D.C. Naftei3, S. Myers1, J.K. Kirklin4, J.B. Young4, D. Pelegrin4, J. Czern4, J. Kobashigawa2, J. Chait4, A. Heroux4, R. Higgins5, C. White-Williams5 1Northwestern Memorial Hospital, Chicago, IL; 2Virginia Commonwealth University, Richmond, VA; 3University of Alabama, Birmingham, AL; 4The Cleveland Clinic, Cleveland, OH; 5UCLA Medical Center, Los Angeles, LA; 6Loyola University Medical Center, Chicago, IL; 7Rush University Medical Center, Chicago, IL; 8University of Alabama, Birmingham, AL

(589) Featured Poster: New York Heart Association Functional Class Correlates Poorly with Peak Oxygen Consumption during Cardiopulmonary Exercise Tolerance Testing: Implications for Orthotopic Heart Transplantation; P.L. Eugenio, E.C. Palma, T.J. Vittorio, R. Zolty Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY

(590) The Effect of the Patient’s Medical Insurance on Post Cardiac Transplant Outcomes; a Single Center Experience; L Alesh, A. Srivastava, D. Lanfear, C. Williams, H. Nemeh, F. Matta, C. Tita, R. Brewer, C. Smith, B. Czerska Heart Vascular Institute, Henry Ford Hospital, Detroit, MI

(591) Pretransplant Medication Nonadherence: An Underestimated Predictor of Poor Outcome after Lung Transplantation; F. Dobbels1, L. Dupont2, G.M. Verleden2, S. De Geest1 1Katholieke Universiteit Leuven, Leuven, Belgium; 2University Hospitals of Leuven, Leuven, Belgium

(592) Coping, Psychological Functioning, and Quality of Life among Patients Being Evaluated for Lung Transplantation; M.R. Green, C.F. Emery, P. Ross, S.D. Moffatt-Bruce, A.L. Pope-Harman, D. Nunley, R. Long, A. Heilman The Ohio State University, Columbus, OH

(593) Featured Poster: Gender Differences in One-Year Waiting List Outcomes in Heart Transplant Candidates: Results from the Waiting for a New Heart Study; H. Spaderna1, D. Zahn1, J.M.A. Smits2, G. Weidner1 1Johannes Gutenberg University, Mainz, Germany; 2Eurotransplant International Foundation, Leiden, Netherlands

(594) Is a Short-Term Microaxial VAD More Cost-Effective Than ECMO for Severe Cardiogenic Shock?; A. Kaan1, J. Kealy1, B. Chow2, Y. Lemarche2, A. Cheung1 1St Paul’s Hospital, Vancouver, BC, Canada; 2University of British Columbia, Vancouver, BC, Canada

(595) Incidence, Patterns, and Cost of Permanent Pacing Following Bicaval and Biatrial Orthotopic Heart Transplantation; H.A. Tetteh1, F. Kamdar2, S. Shumway2, R. John2, L. Joyce2, E. Molina2, K. Liao2, 1Brigham Women’s Hospital, Boston, MA; 2University of Minnesota, Minneapolis, MN

(596) WITHDRAWN


(598) Physiological Changes Following Placement of Continuous Flow and Pulsatile Flow Left Ventricular Assist Devices; B.A. Boilson1, J.A. Schirger1, B. Sareyyupoglu2, I. Penev2, C.G.A. McGregor2, L.C. Durham2, R.C. Daly2, B.S. Edwards2, M. M. Redfield1, S.J. Park2 1Mayo Clinic, Rochester, MN; 2Mayo Clinic, Rochester, MN

(599) Management of Patients with Left Ventricular Assist Devices during Natural Disasters; W. Jones1, B.A. Bruckner1, L. Garcia1, D. Labib2, N. Wexali1, B. Elias1, E. Beyer1, T.-A. Guillermo1, L. Matthias1 1DeBakey Heart Center, The Methodist Hospital, Houston, TX; 2Baylor College of Medicine, Houston, TX

(600) Improved Survival in High-Risk Patients with Smaller Implantable LVAD’s: Single-Center Experience over 3 Years; M. Camacho, D.A. Baran, A. Martin, M.J. Zucker Newark Beth Israel Medical Center, Newark, NJ

(601) End-Stage Heart Failure Medical Therapy in Patients Discharge Home with Mechanical Ventricular Assist Devices; S.V. Chaparro1, R. Wong2, W.H.W. Tang2, R. Starling2 1University of Miami, Miami, FL; 2Cleveland Clinic, Cleveland, OH

(602) Extracorporeal Life Support: Time Related Performance of a Fully Heparinized Circuit and Polymethylpentene Oxygenator; G. D’Ancona1, G. Santisi1, S. Sciacca1, A. Bertani1, F. Pirone1, M. Tursi1, M. Parmiello1, G. Panarello1, M. Pilato1, 1ISMETT@UPMC, Palermo, Italy; 1ISMETT@UPMC, Palermo, Italy
(603) Late Bleeding and Thrombotic Complications with Continuous Flow Ventricular Assist Devices; M.S. Firstenberg, D. Blais, C. Sai-Sudhakar, A. Hasan, L.B. Louis, D. Talbott, B. Sun, J. Crestanello, P.A. Vesco. The Ohio State Medical Center, Columbus, OH; 2The Ohio State Medical Center, Columbus, OH

(604) Heart Transplantation as an End-Stage Treatment for Ventricular Assist Device (VAD) Infections Due to Multi-Drug Resistant Nosocomial Pathogens; A. Gkouziouta, P. Sfirakis, E. Manoli, G. Saroglou, P.A. Alivizatos. Onassis Cardiac Surgery Centre, Athens, Greece

(605) Assessment of Recovery on Ventricular Assist Device Support; C. Irving, J. Cassidy, R. Kirk, M. Griselli, A. Hasan, D. Crossland. Freeman Hospital, Newcastle upon Tyne, United Kingdom

(606) Mechanical Circulatory Support in Patients with Heart Failure Secondary to Transposition of the Great Arteries; R. John, D.L. Joyce, S.S. Crow, J.D. St.Louis, E.A. Braunlin, L.A. Pyles, P. Kofflin, L.D. Joyce. 1Stanford University, Palo Alto, CA; 2Mayo Clinic, Rochester, MN; 3University of Minnesota, Minneapolis, MN; 4University of Minnesota, Minneapolis, MN

(607) Use of a CardioWest TAH-t for High Risk Patients Reduces Complications and Improves Survival; M. Flattery, L. Ohler, K. Doolin, M. Hess, R. Cooke, S. Harton, V. Kasirajan. Virginia Commonwealth University Health System, Richmond, VA

(608) Effects of the HeartMate II Continuous-Flow Left Ventricular Assist Device on RV Function; S. Lee, F. Kamdar, R. Madlon-Kay, R. John. 1University of Minnesota, Minneapolis, MN; 2University of Minnesota, Minneapolis, MN

(609) Improved Outcomes and Decreased Length of Stay in LVAD Patients: Increased Utilization of Cardiac Rehabilitation Centers; T. Martin, M.J. Zucker, D. Baran, M. Camacho. Newark Beth Israel Medical Center, Newark, NJ


(611) Neurological Complications with Pulsatile and Rotary Blood Pumps; T. Mussivand, K.S. Holmes University of Ottawa Heart Institute, Ottawa, ON, Canada


(614) Risk Factor Analysis of Long-Term Support with Left Ventricular Assist System: Insights for Destination Therapy; S. Saito, G. Matsumiya, T. Sakaguchi, T. Fujita, T. Yamauchi, T. Kuratani, H. Ichikawa, S. Yoshiki. Osaka University Graduate School of Medicine, Suita, Osaka, Japan

(615) Good Outcome for LVAD Patients Supported by the HeartMate II for a Mean Time of Almost One Year; K. Sander, C. Bogelund Andersen, S. Boesgaard, F. Gustafsson, P.B. Hansen, S.A. Mortensen, P.S. Olsen. 1Rigshospitalet, Copenhagen, Denmark; 2Rigshospitalet, Copenhagen, Denmark; 3Rigshospitalet, Copenhagen, Denmark; 4Rigshospitalet, Copenhagen, Denmark

(616) Appropriate Treatment of Complications Could Extend Supporting Duration of Extracorporeal Left Ventricular Assist System in Patients with End-Stage Heart Failure; T. Sasaoka, T.S. Kato, N. Oda, M. Yanase, K. Hashimura, T. Funatsu, J. Kobayashi, T. Shishido, K. Komamura, M. Isobe, T. Nakatani. 1National Cardiovascular Center, Osaka, Japan; 2National Cardiovascular Center Research Institute, Osaka, Japan; 3Hyogo University of Health Sciences, Hyogo, Japan; 4Tokyo Medical and Dental University, Tokyo, Japan

(617) Leukocyte Gene Expression Profiles of Hyperbilirubinemia Following Mechanical Circulatory Support Device Implantation; K. Shahzad, A. Sinha, F. Latif, M. Cadeiras, S. Oz, Y. Naka, M.C. Deng. 1Columbia University Medical Center, New York, NY; 2Columbia University, New York, NY

(618) Clinical Results with the Axial Flow Pump INCOR: A Single-Centre Experience; R. Tandler, M. Konndruweit, A. Reimann, M. Weyand University of Erlangen, Erlangen, Bavaria, Germany
(619) Featured Poster: Mobilization and Physiotherapy of Patients with a Levitronix CentriMag® Short-Term Mechanical Circulatory Support Device; C. Bindoff, R. Dean, A. Bashford, R. Hards, G. Dreyfus, A. Khaghani, E. Birks
Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom; Royal Brompton and Harefield NHS Trust, London, Middlesex, United Kingdom; Royal Brompton and Harefield NHS Trust, London, Middlesex, United Kingdom

(620) Percutaneous Left Ventricular Remodeling in Chronic Heart Failure Secondary to Left Ventricular Aneurysm; K. Vershaye, B. Kar, P. Loyalka, R. Delgado, I. Gregoric Texas Heart Institute, Houston, TX

(621) Selecting the Patient Too Debilitated for Good Long-Term Functional Outcome after Lung Transplantation; S. Bansal, P.H. Tsau, S.R. Knoper, J. Wild, R. Coelho-Anderson, O. L. Amabile, M.J. Moulton
University of Arizona, Tucson, AZ; University of Arizona, Tucson, AZ

(622) Doxycycline Improves Decline in Pulmonary Function in OB/BOS; T. Maughan, K. Peterson-Short, C. Truax, S. Lee, N. Kenyon, T.G. Liou, B.C. Cahill
University of Utah, Salt Lake City, UT; University of Utah, Salt Lake City, UT

(623) Survival of Patients with Alpha 1 Antitrypsin Deficiency Receiving Lung Transplantation for Emphysema – A Review of 20 Years’ Experience at a Major UK Transplant Centre; S. Chatterji, J. Parmar Papworth Hospital, Cambridge, United Kingdom

(624) Lung Function after Fundoplication in Transplanted Patients with Gastroesophageal Reflux Disease (GERD); G. Dauriat, G. Thabut, O. Brugiere, J.P. Marmuse, C. Clerici, Y. Castier, A.C. Metivier, G. Biondi, M. Fournier, H. Mal
Hôpital Bichat, Paris, France, Metropolitan; Hôpital Bichat, Paris, France, Metropolitan; Hôpital Bichat, Paris, France, Metropolitan; Hôpital Bichat, Paris, France, Metropolitan; Hôpital Bichat, Paris, France, Metropolitan

University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA

(626) Increased Incidence of Acute Rejection in Patients with Increased GER, 1 Year after LTx; V. Mertens, K. Blondeau, D. Van Raemdonck, G. Blondeau, D. Sifrim, L.J. Dupont
University Hospital Gasthuisberg, Leuven, Belgium; University Hospital Gasthuisberg, Leuven, Belgium

Emory University School of Medicine, Atlanta, GA; Emory University School of Medicine, Atlanta, GA; Emory University School of Medicine, Atlanta, GA

David Geffen School of Medicine, UCLA, Los Angeles, CA; David Geffen School of Medicine, UCLA, Los Angeles, CA; David Geffen School of Medicine, UCLA, Los Angeles, CA

Bude Cleveland Clinic, Cleveland, OH; Cleveland Clinic, Cleveland, OH

(630) Carbapenem Resistance Klebsiella Pneumoniae among Lung Transplant Recipients; Y. Raviv, A. Amital, D. Shitrit, B.D. Fox, M.R. Kramer
Pulmonary Institute, Petach Tikva, Tel Aviv, Israel

Massachusetts General Hospital, Boston, MA; Massachusetts General Hospital, Boston, MA

(632) Featured Poster: Infections in Patients on Continuous Flow LVAD: Epidemiology and Role in Causation of Cerebrovascular Accidents; S.S. Basra, A.A. Attallah, R. Wagle, P. Loyalka, B. Kar
University of Texas Health Science Center, Houston, TX; Baylor College of Medicine, Houston, TX
(633) Lack of Relationship between Immunosuppression and Epstein-Barr Viral Load/Lymphoproliferative Disease in Pediatric Heart Transplant Recipients; F.I. Calo Carducci1, G. Grutter2, P. Rossi1, P. D’Argenio1, F. Parisi1 1Pediatric Hospital “Bambino Gesù”, Rome, Italy; 2Pediatric Hospital “Bambino Gesù”, Rome, Italy

(634) Clinical Outcome of Brazilian Lung Transplant Recipients after Respiratory Virus Infections; S.V. Campos1, M.L. Caramori, R.O. Teixeira, J.E. Afonso, Jr., R.M. Carrano, T.V. Strabelli, P.M. Pego-Fernandes, F.B. Jatene, L.S. Vilas-Boas, C.M. Machado 1Heart Institute do Hospital das Clinicas FMUSP, Sao Paulo, Brazil; 2Heart Institute do Hospital das Clinicas FMUSP, Sao Paulo, Brazil; 3Institute of Tropical Medicine - FMUSP, Sao Paulo, Brazil

(635) Clinical Impact of a New Real-Time PCR Assay (SeptiFast®) for Rapid Detection of Pathogens in Patients Bridged to Transplantation; A. Chaidaroglou1, E. Manoli2, A. Gkouziouta1, P. Gourzi1, M.P. Pantou1, D. Hiliidou3, D. Degiannis3, G. Saroglou3, P. Alivizatos1 1Onassis Cardiac Surgery Center, Athens, Greece; 2Onassis Cardiac Surgery Center, Athens, Greece; 3Onassis Cardiac Surgery Center, Athens, Greece

(636) Adenovirus Is Not Associated with Graft Dysfunction Post Lung Transplantation and Does Not Warrant Anti-Viral Therapy; T.W.V. Daniels, D.C. Chambers, B.K.-T. Tsang, H.E. Seale, T.M. Leishfield, F.D. Kermeen, P.M.A. Hopkins Prince Charles Hospital, Brisbane, Queensland, Australia

(637) Parainfluenza Infection after Lung Transplantation Is a Strong Predictor for Obliterative Bronchiolitis; T.W.V. Daniels, B.K.-T. Tsang, D.C. Chambers, F.D. Kermeen, J.R. Walsh, C. Beck, P.M. Hopkins Prince Charles Hospital, Brisbane, Queensland, Australia

(638) Effect of Preoperative Dental and Otorhinolaryngeal Foci on Posttransplantation Outcome; S. Meyer1, C. Ivanov1, L. Baholli1, D. Knappe1, C. Thomsen1, A. von Stritzky1, F.M. Wagner2, H. Reichenspurner2, A. Costard-Jackle1 1University Heart Center Hamburg, Hamburg, Germany; 2University Heart Center Hamburg, Hamburg, Germany

(639) Surreptitious Aspergillus Colonization Is Not Associated with Poor Outcome While on Suppressive Azole Therapy; J. Patel1, K. Kiyosaki1, B. Kubak1, M. Kawano1, J. Patel1, A. Ankrom1, M. Kittleson1, E. Shao1, J. Moriguchi1, A. Ardehali2, J. Kobashigawa1 1David Geffen School of Medicine at UCLA, Los Angeles, CA; 2David Geffen School of Medicine at UCLA, Los Angeles, CA

(640) Infections (INF) after Heart Transplantation (HT) with Basiliximab Induction: A Single Center Experience; V. Stosor1,2, T. Zembower1, M. Angarone1, E. McGee4, K. Scarsi1, K. Grady4, W. Cotts3, M. Ison1,2 1Northwestern University Feinberg School of Medicine, Chicago, IL; 2Northwestern University Feinberg School of Medicine, Chicago, IL; 3University Pittsburgh Medical Center, Pittsburgh, PA; 4University Pittsburgh Medical Center, Pittsburgh, PA

(641) Infectious Complications among Elderly Lung Transplant Recipients Receiving Alemtuzumab; A.A. Vadnerkar1, M.H. Nguyen1, Y. Toyoda1, K. McCurry2, C. Bermudez2, J. Pilewski3, M. Crespo3, E.J. Kwak1, C.J. Clancy1 1University Pittsburgh Medical Center, Pittsburgh, PA; 2University Pittsburgh Medical Center, Pittsburgh, PA; 3University Pittsburgh Medical Center, Pittsburgh, PA

(642) Effectiveness of Targeted Pro-Active Management of Aspergillus fumigatus Infections before and after Lung Transplantation; D.A. Wearmouth1, C. Rennison1, A. Fisher2, J. Lordan2, P.A. Corris2, F.K. Gould1 1Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom; 2Freeman Hospital, Newcastle upon Tyne, Tyne and Wear, United Kingdom

(643) Benefit of Fluconazole Prophylaxis for Candidemia in Patients with Ventricular Assist Devices (VAD); C. Williams1, E.N. Sorensen1, M. Lindsay1, B. Griffith1, S. Moainie2, E. Feller2, S. Murthi2, G. Forrest2 1Univ. of Maryland Medical Center, Baltimore, MD; 2Univ. of Maryland, Baltimore, MD

(644) Different Intra-Operative Extracorporeal Circulatory Support Techniques in Lung Transplantation Surgery Lead to Significant Differences in Blood Product Management; H.B. Bittner, K. Binner, S. Lehmann, F.W. Mohr Heart Center of the University of Leipzig, Leipzig, Germany

(645) Invasive Biopsy Is Effective and Useful after Lung Transplant; C.L. Burdett, R. Critchley, F. Black, S. Barnard, S.C. Clark, P.A. Corris, K.F. Gould, T. Butt, J.H. Dark Freeman Hospital, Newcastle upon Tyne, United Kingdom

(646) Incidence of Cancer after Lung Transplantation in France; C. Cantrelle, Transplant Teams, F. Pessione, J.M. Rebibou, B. Loty Agence de la Biomédecine, Saint Denis La Plaine, France
(647) Calcineurin Inhibition Can Be Safely Maintained in Lung Transplantation Complicated by Reversible Posterior Leukoencephalopathy Syndrome; B.K.T. Tsang, F. Kermeen, P.M.A. Hopkins, D.C. Chambers The Prince Charles Hospital, Brisbane, Queensland, Australia

(648) A Review of Malignancies Developing Post Lung Transplantation and the Effect on Survival; S. Chatterji, J. Parmar Papworth Hospital, Cambridge, United Kingdom

(649) Survival of Lung Transplant Recipients with Incidental Finding of Cancer in the Explanted Lung(s); M.M. Crespo, K.R. McCurry, S. Dacic, D. Zaldonis, B.A. Johnson, Y. Toyoda, P. George, C. Bermudez, J.M. Pilewski University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA; University of Pittsburgh Medical Center, Pittsburgh, PA

(650) Increased Risk of Colon Carcinoma in Lung Transplant Recipients with Cystic Fibrosis; M. Francois, H. Thomas, K. Radford, D. Hawes, T. Mack, R. Cornwell, K. Meyer University of Wisconsin Hospital and Clinics, Madison, WI; University of Wisconsin School of Medicine and Public Health, Madison, WI

(651) Increased Mortality in Ganciclovir Resistant CMV Infection in Lung Transplantation; J. Gagermeier, C. Alex, D. Dilling, R. Love, C. Wigfield, J. Rusinak, P. O'Keefe, C. Schriever, N. Lurain Loyola University Medical Center, Maywood, IL; Loyola University Medical Center, Maywood, IL; Rush University, Chicago, IL

(652) Symptomatic Pulmonary Emboli in Lung Transplant Recipients; S.A. Hennessy, E.L. Grogan, N.L. Harthun, D.R. Jones, B.D. Kozower, C.L. Lau University of Virginia, Charlottesville, VA

(653) Death with a Functioning Graft after Lung Transplantation: Lessons from the Kidney; C.-L. Liew, M. Benzmira, K. Hanning, A. Havryk, M. Plit, S. Rainer, M.A. Malouf, A.R. Glanville St Vincent's Hospital, Sydney, NSW, Australia; St Vincent's Hospital, Sydney, NSW, Australia

(654) No Age Difference in Development of Obliterative Airway Disease in Tracheal Allografts; Y. Niu, Z. Liu, H. Fan, H. Cao, G. Liu, Q. Shi Shanghai East Hospital Affiliated to Tongji University, Shanghai, China

(655) Incidence of De Novo Malignancies in Lung Transplant Recipients in Italy: A Single-Institution Experience, 1991-2008; M. Agozzino, P. Piselli, M. Vigano, A. D'Armini, A. Cascina, T. Oggiorni, F. Meloni, C. Cimaglia, A. Agresta, D. Serraino, E. Arbustini, IRCCS Foundation Policlinico "San Matteo" Pavia, Italy; National Institute for Infectious Diseases "L. Spallanzani" IRCCS, Rome, Italy; IRCCS Foundation Policlinico "San Matteo", Pavia, Italy; IRCCS Foundation Policlinico "San Matteo", Pavia, Italy; IRCCS Centro di Riferimento Oncologico, Aviano (PN), Italy

(656) Survival Following Single Lung Transplant for Pulmonary Fibrosis: Satisfactory Results in Our 16-Years Single Centre Experience; P. Totaro, C. Tramontin, S. Nicolardi, C. Pellegrini, G. Orlandoni, T. Oggiorni, A.M. D'Armini, M. Vigano, IRCCS Foundation S Matteo, Pavia, Italy; IRCCS Foundation S Matteo, Pavia, Italy; IRCCS Foundation S Matteo, Pavia, Italy

(657) Open Lung Ventilation Mitigates Lung Ischemia Reperfusion Injury; N.P. van der Kaaij, J. Kluin, R.A. Lachmann, M.A. den Bakker, J.J. Haitsma, R.W.F. de Bruin, B. Lachmann, A.J.C. Bogers Erasmus MC, Rotterdam, Netherlands; UMC Utrecht, Utrecht, Netherlands; Erasmus MC, Rotterdam, Netherlands; Erasmus MC, Rotterdam, Netherlands; Erasmus MC, Rotterdam, Netherlands

(658) Featured Poster: The Impact of Aspergillus Colonization on Acute Rejection and Lymphocytic Bronchiolitis in Lung Transplant Patients; S.S. Weigt, C.-H. Tseng, C. Huang, D.J. Ross, R. Saggar, R. Saggar, J.P. Lynch, A. Gregson, B.M. Kubak, A. Ardehali, R.M. Elashoff, J.A. Belperio, David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA; David Geffen School of Medicine at UCLA, Los Angeles, CA

(659) Strain and Strain Rate in Pediatric Cardiac Transplant Recipients: Comparison to Normal Children; J. Bodtke, T.H. Best, R. Sachdeva, E.A. Frazier, W.R. Morrow Arkansas Children's Hospital, Little Rock, AR

(660) Outcomes with Asymptomatic Antibody-Mediated Rejection in Pediatric Heart Transplant Patients; E.L.P. Chan, D.S. Levi, J.C. Alejos, G.S. Perens Mattel Children's Hospital at UCLA, Los Angeles, CA

(661) Heart Transplantation Against a Positive Crossmatch in Highly Sensitized Children; S.F. Chandler, C. Almond, T.P. Singh, H. Mah, E. Milford, G.S. Matte, H. Bastardi, J. Mayer, F. Fynn-Thompson, E.D. Blume Children's Hospital Boston, Boston, MA; Brigham Women's Hospital, Boston, MA; Children's Hospital Boston, Boston, MA
(662) Volume-Outcome Relationships in Pediatric Heart Transplantation; R.R. Davies1, M.J. Russo1, J.M. Quaegebeur1, S.R. Mital3, K.N. Hong1, R.S. Mosca1, J.M. Chen2 1Children’s Hospital of New York-Presbyterian, New York, NY; 2Weill Medical College of Cornell University, New York, NY

(663) Effect of ABO-Incompatible Listing on Infant Heart Transplant Waitlist Outcomes: Analysis of the United Network for Organ Sharing (UNOS) Database; M.D. Everitt1, A.E. Donaldson1, D.G. Renlund2, E.A. Bullock1, M. Cardon2, P. Fisher2, P.C. Burch1, P.C. Kouretas1, A.K. Kaza1, J.A. Hawkins1, L.Y. Tani1, C. Norlin1, A.G. Kfoury1 1University of Utah, Salt Lake City, UT; 2Loma Linda University Medical Center, Salt Lake City, UT

(664) Liver Cirrhosis in Patients after Fontan Operation; R. Gupta1, S.M. Pham3, M. Rodriguez2, T.G. Bueno1, P. Rusconi1 1University of Miami, Miami, FL; 2University of Miami, Miami, FL; 3University of Miami, Miami, FL

(665) Post-Transplant Diabetes in Pediatric Heart Transplant Recipients Treated with Sirolimus; E. Hathout, J. Fitts, J. Johnston, R. Chinnock Loma Linda University, Loma Linda, CA

(666) Featured Poster: Predictors of Obesity in Children after Heart Transplant: An Analysis of the ISHLT Pediatric Heart Transplant Registry; B.D. Kaufman1, S. Chuai2, F. Dobbels3, R.E. Shaddy1 1University of Pennsylvania, Children’s Hospital of Philadelphia, Philadelphia, PA; 2University of Pennsylvania, School of Medicine, Philadelphia, PA; 3University of Leuven, Leuven, Belgium

(667) Featured Poster: The Use of Intravascular Ultrasound in the Diagnosis of Cardiac Allograft Vasculopathy in Pediatric Heart Transplant Recipients: A Ten Year Experience; M.A. Kuhn1, R.E. Chinnock2, D.D. Deming2, R.L. Larsen1, A.J. Razzouk5, L.L. Bailey1 1Loma Linda University Medical Center and Children’s Hospital, Loma Linda, CA; 2Loma Linda University Medical Center and Children’s Hospital, Loma Linda, CA; 3Loma Linda University Medical and Children’s Hospital, Loma Linda, CA

(668) Does Cytomegalovirus Serology Impact Outcome Following Pediatric Heart Transplantation?; W.T. Mahle1, J.C. Alejos2, M. Foushee3, D.C. Naftel1, J. Rao4, R. Caldwell5, K. Uzark6, A.M. Berg1, K.R. Kanter1 1Emory University, Atlanta; 2UCLA, Los Angeles; 3University of Alabama Birmingham, Birmingham; 4Riley Children’s Hospital, Indianapolis; 5Cincinnati Children’s Medical Center, Cincinnati

(669) Featured Poster: Intermediate Results of Sirolimus (SRL) with Reduced Calcineurin Inhibitors (CNI) in Pediatric Heart Transplant (Htx) Recipients – A Controlled Study; K.L. Matthews, J. Gossett, P. Vande Kappelle, G. Jellen, E. Pahl Children’s Memorial Hospital, Chicago, IL

(670) Featured Poster: Lung Re-Transplantation in Children: Successful When Selectively Applied; D.L.S. Morales1, F. Zafar1, M.G. Schecter2, J.W. Rossano3, O. Elibem3, G.B. Mallory2, J.S. Heinle1 1Texas Children’s Hospital, Houston, TX; 2Texas Children’s Hospital, Houston, TX; 3Texas Children’s Hospital, Houston, TX

(671) Two Decades of Pediatric Lung Transplantation in the United States; D.L.S. Morales1, F. Zafar1, J.W. Rossano3, M.G. Schecter2, G.B. Mallory2, O. Elibem3, J.S. Heinle1 1Texas Children’s Hospital, Houston, TX; 2Texas Children’s Hospital, Houston, TX; 3Texas Children’s Hospital, Houston, TX

(672) Prevalence and Significance of Circulating Antibodies Prior to Lung and Heart/Lung Transplantation in Pediatric Patients: Analysis of 704 Transplants from the UNOS Database; D.L.S. Morales1, F. Zafar1, J.W. Rossano3, G.B. Mallory2, O. Elibem3, M.G. Schecter2, J.S. Heinle1 1Texas Children’s Hospital, Houston, TX; 2Texas Children’s Hospital, Houston, TX; 3Texas Children’s Hospital, Houston, TX

(673) Presensitization Is Not a Risk Factor for Pediatric Heart Transplantation; C. Ravishankar1, T.E. Dominguez2, B. Hanna1, S. Paridon3, B. Kaufman1 1The Children’s Hospital of Philadelphia, Philadelphia, PA; 2The Children’s Hospital of Philadelphia, Philadelphia, PA

(674) Real-Time 3D Echo Guidance during 339 Biopsies in Children: Improved Safety and Minimized Tricuspid Valve Injury; J.M. Ringewald, G.H. Baker, A.A. Atz, M.A. Scheurer, G.S. Shirali, V.M. Bandisode Medical University of South Carolina, Charleston, SC

(675) Etiology-Specific Prognostic Value of Serial Measurements of NT-proBNP in Heart Failure; P. Rusconi, D.D. Kinnamon, C. Ratnasamy, S.E. Lipshultz Miller School of Medicine University of Miami, Miami, FL

(676) Change in Bridge Philosophy in Infants and Children from Transplantation to Recovery, a 10 Year Experience; J.G. Copeland, H. Zimmerman, R.G. Smith, D. Covington, R.K. Bose University of Arizona, Tucson, AZ
(677) Do Short Waitlist Times Negatively Impact Outcomes after Lung Transplantation?; D.F. Dilling1, C.H. Wigfield2, J.P. Gagermeier1, C.G. Alex1, R.B. Love1 Loyola University Chicago, Maywood, IL; 2Loyola University Chicago, Maywood, IL


(679) Outcomes of 21 Years of Pediatric Cardiac Transplantation: The Freeman Experience; C. Irving, G. Parry, A. Hasan, R. Kirk Freeman Hospital, Newcastle upon Tyne, United Kingdom

(680) WITHDRAWN

(681) Chimerism in Pediatric Heart Transplants; E. Minami1, G. Perens2, C. Castellani3, V. Allada4, C.E. Murry5 1University of Washington, Seattle, WA; 2University of California, Los Angeles, Los Angeles, CA; 3University of Padua, Padua, Italy; 4University of Pittsburgh, Pittsburgh, PA; 5University of Washington, Seattle, WA

SATURDAY, APRIL 25, 2009

8:15 AM – 10:15 AM
PLENARY SESSION (Main Theatre)
Chairs: James K. Kirklin, MD and Hermann Reichenspurner, MD, PhD

8:15 AM Awards Presentations, Duane Davis, MD, Duke University Medical Center, Durham, NC

8:30 AM (682) WITHDRAWN

8:30 AM Special Invited Lecture: "Waiting for a Donor Organ: An International Patient Perspective on an Endless Journey: A Call for Action" delivered by Stephen Bacon, with an introduction by Bruce R. Rosengard, MD, FRCS

8:50 AM (683) Featured Abstract: Core Lab Analysis of Intravascular Ultrasound Studies from the TICTAC Trial (Tacrolimus in Combination, Tacrolimus Alone Compared): Is There a Price To Pay for Monotherapy?; D.A. Baran1, A. Pillai1, A. Patil1, C. Carr1, J. Prevost-Fernandez1, S. Nicholls1, K. Wolski1, S. Parde1, V. Hou1, M. Binetti1, M.G. SanAugustin1, J. Ebounga1, M. Camacho1, L. McBride1, A.L. Gass2, M. Cohen2, M.J. Zucker1 Transplant Center, Newark, NJ; 2Westchester County Medical Center, Westchester, NY; 3Heart and Vascular Institute, Cleveland Clinic Foundation, Cleveland, OH
Invited Discussant: Howard J. Eisen, MD, Drexel University College of Medicine, Philadelphia, PA

9:10 AM (684) Featured Abstract: Intraoperative Versus Postoperative Rabbit Anti-Thymoglobulin Globulin Induction for Bilateral Lung Transplantation: A Single Center Randomized Double Blind Placebo Controlled Trial; R. Saggar1, J.A. Belperio1, R. Saggar1, C. Hunter2, S.S. Weigt1, J.P. Lynch1, D.A. Zisman1, A. Gregson3, B. Kubat3, S. Lackey2, D.J. Ross1, A. Ardehal1 1David Geffen School of Medicine UCLA, Los Angeles, CA; 2David Geffen School of Medicine UCLA, Los Angeles, CA; 3David Geffen School of Medicine, Los Angeles, CA
Invited Discussant: Andreas O. Zuckermann, MD, University of Vienna, Austria

9:30 AM (685) Featured Abstract: Ambrisentan Therapy for Idiopathic Pulmonary Arterial Hypertension: 2 Year Follow-Up; A. Keogh St. Vincent’s Hospital, Sydney, Australia
Invited Discussant: Raymond L. Benza, MD, Allegheny General Hospital, Pittsburgh, PA

9:50 AM (686) Featured Abstract: Validation of Destination Therapy Risk Score in Recipients of Left-Ventricular Assist Devices (LVAD) at a Single Center; K. Ferguson, Y. Naka, D. Mancini, K. Lietz Columbia-University Medical Center, New York, NY
Invited Discussant: Leslie W. Miller, MD, Washington Hospital Center, Washington, DC

10:10 AM Invited Lecture: ISHLT Standards for Cardiac Allograft Vasculopathy Scoring, Mandeepr R. Mehra, MD, University of Maryland School of Medicine, Baltimore, MD

10:15 AM – 10:30 AM
Coffee Break (Hall Mailiot)

10:30 AM – NOON
CONCURRENT SESSION 43: Mechanical Support and Myocardial Recovery (Main Theatre)
10:30 AM (687) Myocardial Recovery from Advanced Heart Failure Using the Heartmate II LVAD Combined with Drug Therapy: Early Results from a Prospective Study; E.J. Birks¹,², R.S. George¹,², M. Hedger¹, T. Bahrami¹, M. Amrani¹, M.H. Yacoub², G. Dreyfus¹, A. Khaghani¹ Harefield Hospital, Harefield, Middlesex, United Kingdom; Imperial College, Harefield, Middlesex, United Kingdom

10:45 AM (688) Usefulness of Echocardiographic Tissue Doppler and 2D-Strain Imaging for the Assessment of Unloading-Induced Cardiac Recovery in Patients with Ventricular Assist Devices; M. Dandel, H.B. Lehmkuhl, Y. Weng, M. Pasic, C. Nosalla, T. Krabatsch, R. Hetzer Deutsches Herzzentrum Berlin, Berlin, Germany

11:00 AM (689) Long-Term Survival after Left Ventricular Assist Device Explantation; O.H. Frazier, S. La Francesca, Z.T. Demirozu, W.E. Cohn, R.C. Bogaev, R.M. Delgado, P. Loyalka, B. Kar, I.D. Gregoric Texas Heart Institute, Houston, TX

11:15 AM (690) Left Ventricular Unloading Is Comparable between Axial and Centrifugal Continuous-Flow LVADs; F. Kamdar, A. Boyle, M. Colvin-Adams, K. Liao, L. Joyce, R. John University of Minnesota, Minneapolis

11:30 AM (184) Echocardiographic, Clinical, and Histologic Characteristics of Patients with Improved Cardiac Function Allowing Removal of Left Ventricular Assist Device (LVAD); O.H. Frazier, A.M. Segura, I.D. Gregorid, W.E. Cohn, Z.T. Demirozu, S. La Francesca, L.M. Buja Texas Heart Institute, Houston

11:45 PM (692) Aortic Insufficiency – Trends over Time in LVAD Supported Patients; J.C. Matthews¹, K.D. Aaronson², R. Jain³, F.D. Pagani³, T.J. Koliass³ ¹University of Michigan Health System, Ann Arbor, MI; ²University of Michigan Health System, Ann Arbor, MI

10:30 AM – NOON CONCURRENT SESSION 44: Immunosuppression for Heart Transplantation: New Strategies (Blue Theatre)

10:30 AM (693) Everolimus in Longterm Heart Transplanted Patients: Effects on Renal Function. One Year Results of a Prospective Randomized Trial; R. Fiocchi, R. Sebastiano, A. Iacovoni, A. Fontana, A.amba Heart Transplant Center, Bergamo, Italy

10:45 AM (694) Balancing Rejection and Infection with Respect to Age, Race, and Gender: Clues Acquired from 17 Years of Cardiac Transplantation Data; J.F. George, S.L. Meyers, M.T. Foushee, R.N. Brown, D.C. Naftel, O.E. Pajaro, J.K. Kirklin University of Alabama at Birmingham, Birmingham, AL

11:00 AM (695) Rapid Achievement of Therapeutic Levels and Exposure-Efficacy Analysis in De Novo Cardiac Transplant Recipients on Everolimus-Based Immunosuppression; U. Livi¹, J. Arizon², M.F. Mattei³, F. Musumechi⁴, M. Maccherini⁵, L. Almenar⁶, J. Delgado⁷, R. Kleinloog⁸, Y. Li⁹, H. Lehmkuhl¹⁰, R. Fiocchi¹¹ Az. Ospedaliero-Università S. Maria della Misericordia di Udine, Udine, Italy; ²Hospital Universitario Reina Sofia, Cordoba, Spain; ³Hospital Brabois, Nancy, France; ⁴Ospedale S. Camillo-Forlanini - Azienda Ospedalier, Rome, Italy; ⁵AUO Siena, Siena, Italy; ⁶Hospital Universitario La Fe, Valencia, Spain; ⁷Hospital Universitario 12 de Octubre, Madrid, Spain; ⁸University of Kwa-Zulu Natal, Durban, South Africa; ⁹Novartis Pharmaceuticals Corporation, East Hanover; ¹⁰Deutsches Herzzentrum Berlin, Berlin, Germany; ¹¹Az. Osp. - Ospedali Riuniti di Bergamo, Bergamo, Italy

11:15 AM (696) Comparison of Early and Late Calcineurin Inhibitor Initiation after Basiliximab Induction in Heart Transplantation; T.B. Dick, M.H. Watson, C.A. Milano, G.M. Felker, A.F. Hernandez, S. Dev, P. Rosenberg, J.G. Rogers ¹Duke University Medical Center, Durham, NC; ²Duke University Medical Center, Durham, NC; ³Duke University Medical Center, Durham, NC

11:30 AM (697) Aggressive Medical Therapy Can Control the Hyperlipidemia Associated with Sirolimus Utilization after Cardiac Transplantation; M. Shullo, R. Zomak, C. Yost, M. Rebel, C. Newman, C. Bermudez, D. McNamara, R.L. Kormos, J.J. Teuteberg ¹University of Pittsburgh, Pittsburgh, PA; ²University of Pittsburgh, Pittsburgh, PA; ³University of Pittsburgh, Pittsburgh, PA

11:45 PM (698) Everolimus Increases the Incidence of ACE Inhibitor-Induced Angioedema in Heart Transplanted Patients; R. Fiocchi, R. Sebastiano, A. Iacovoni, E. Radaelli, A. Gamba Heart Transplant Center, Bergamo, Italy

10:30 AM – NOON CONCURRENT SESSION 45: Primary Graft Dysfunction: Evaluating Mechanisms in the Lung (Salle Maillot)

Chairs: Jason D. Christie, MD and Selim M. Arcasoy, MD
10:30 AM (699) Concomitant Endothelin-1 mRNA Overexpression in Donor and Recipient Predicts Primary Graft Dysfunction after Lung Transplantation; S. Aharinejad, M. Salama, O. Andrukhova, S. Taghavi, M.A.R. Hoda, M. Gmeiner, P. Jaksh, W. Klepetko 1 Medical University of Vienna, Vienna, Austria; 2 Medical University of Vienna, Vienna, Austria

10:45 AM (700) Plasma Levels of Receptor for Advanced Glycation End-Products (RAGE) Are Associated with Primary Graft Dysfunction; J.D. Christie, C.V. Shah, S. Kawut, J. Sonnett, V.N. Ahya, K. Wille, V. Lama, J. Orens, A. Shah, A. Weinacker, E. Demissie, S. Bellamy, L.B. Ware 1 University of Pennsylvania, Philadelphia; 2 Columbia University, New York; 3 University of Alabama, Birmingham, Birmingham; 4 University of Michigan, Ann Arbor; 5 Johns Hopkins, Baltimore; 6 Stanford University, Palo Alto; 7 Vanderbilt University, Nashville

11:00 AM (701) Soluble P-Selectin and the Risk of Primary Graft Dysfunction after Lung Transplantation; S.M. Kawut, J. Okun, D.J. Lederer, L.B. Ware, V. Lama, A. Weinacker, E. Demissie, J.D. Christie 2 Columbia University, New York, NY; 3 Vanderbilt University, Nashville, TN; 4 University of Michigan, Ann Arbor, MI; 5 University of Pennsylvania, Philadelphia, PA; 6 Stanford University, Stanford, CA

11:15 AM (702) Receptor for Advanced Glycation End Products Expression in Lung Allograft Recipients with Primary Graft Dysfunction (PGD); A. Pelaez, S.D. Force, P.M. Naik, E.C. Lawrence, A.M. Ramirez, D.C. Neujahr, A.A. Gal, P.O. Mitchell 1 Emory University School of Medicine, Atlanta, GA; 2 Emory University School of Medicine, Atlanta, GA; 3 Emory University School of Medicine, Atlanta, GA; 4 Emory University School of Medicine, Atlanta, GA

11:30 AM (703) WITHDRAWN

11:45 AM (704) Donor Glutathione-S-Transferase (GST)-mu Null Genotype Is a Risk Factor for Development of Bronchiolitis Obliterans Syndrome (BOS) and Poor Survival after Lung Transplantation even After Accounting for Primary Graft Dysfunction (PGD); D. Hadjiliadis, R. Lingaraju, V.N. Ahya, J. Lee, A. Pochettino, R.M. Kotloff, J.D. Christie University of Pennsylvania, Philadelphia, PA

10:30 AM – NOON CONCURRENT SESSION 46: Pulmonary Arterial Hypertension: Lessons from Registries and the Bench (252 AB)

Chairs: Omar A. Minai, MD and Hans B. Lehmkuhl, MD

10:30 AM (705) Comparison of Double-Lung and Heart-Lung Transplantation for Pulmonary Hypertension: Analysis of the UNOS Database; K. Afshar, D. Weill, V.G. Valentine, G.S. Dhillon 1 University of Southern California, Los Angeles, CA; 2 Stanford University, Stanford, CA; 3 University of Texas Medical Branch, Galveston, TX

10:45 AM (706) Dichloroacetate (DCA) Causes Beneficial Metabolic and Electrical Remodeling in Right Ventricular Hypertrophy (RVH); L. Piao, V.J. Cadete, Y.H. Fang, H. Zhang, G.D. Lopaschuk, S.L. Archer 1 University of Chicago, Chicago, IL; 2 University of Alberta, Edmonton, AB, Canada

11:00 AM (707) REVEAL Registry: Comparison of Functional Status in Adult PAH Patients with and without Comorbid Medical Conditions; A. Krichman, M. Turner, P. Wason, A.M. Graves Jones, M.D. McGoon, H.W. Farber, D. Ivy 1 Duke University Medical Center, Durham, NC; 2 ICON Clinical Research, San Francisco, CA; 3 Actelion Pharmaceuticals US, Inc., South San Francisco, CA; 4 Mayo Clinic, Rochester, MN; 5 Boston University School of Medicine, Boston, MA

11:15 AM (708) REVEAL Registry: Comparison of Patients with Childhood-Onset and Adult-Onset Pulmonary Vascular Disease Associated with Congenital Heart Disease; R.J. Barst, D. Ivy, D.B. Badesch, R.L. Benza, C.G. Elliott, H.W. Farber, A.E. Frost, A. Krichman, T.G. Liou, G.E. Raskob, P. Wason, K. Feldkirsch, A.J. Foreman, M.D. McGoon 1 Columbia University College of Physicians & Surgeons, New York, NY; 2 University of Colorado Denver School of Medicine, The Children’s Hospital, Aurora, CO; 3 University of Colorado Health Sciences Center, Aurora, CO; 4 Allegheny General Hospital, Pittsburgh, PA; 5 Intermountain Medical Center, Murray, UT; 6 Boston University School of Medicine, Boston, MA; 7 Baylor College of Medicine, Houston, TX; 8 Duke University Medical Center, Durham, NC; 9 University of Utah, Salt Lake City, UT; 10 University of Oklahoma Health Sciences Center, Oklahoma City, OK; 11 Actelion Pharmaceuticals US, Inc., South San Francisco, CA; 12 ICON Clinical Research, San Francisco, CA; 13 Mayo Clinic, Rochester, MN

11:30 AM (709) Influence of Intravenous Epoprostenol on the Transpulmonary Gradient of Vascular Endothelial Growth Factor (VEGF) in Patients with Pulmonary Arterial Hypertension; N. Sellimovic, C.H. Bergh, B. Andersson, E. Sakiniene, H. Carlsten, B. Rundqvist Sahlgrenska University Hospital, Gothenburg, Sweden; Sahlgrenska University Hospital, Gothenburg, Sweden
11:45 PM (710) **HIF-1** Activation by Cobalt Hyperpolarizes and Fragments Mitochondria in Pulmonary Artery Smooth Muscle Cells Creating a “Pulmonary Arterial Hypertension” Phenotype as Seen in Fawn-Hooded Rats; **P.T. Toth**, H.J. Zhang, J. Rehman, Y. Zhang, S.L. Archer The University of Chicago, Chicago, IL

10:30 AM – NOON **CONCURRENT SESSION 47: Novel Technologies and Therapies in Heart Failure (242 AB)**

10:45 AM (711) **Mitral Valve Repair (MVR) in Heart Failure: 5 Year Follow-Up from the MVR Stratum of the Acorn Trial; R.C. Starling**, M. Jessup, M.A. Acker, S. Bolling, J.K. Oh, D.L. Mann, H.N. Sabbah, S.H. Kubo

1. Cleveland Clinic Foundation, Cleveland, OH
2. University of Pennsylvania, Philadelphia, PA
3. University of Michigan, Ann Arbor, MI
4. Mayo Clinic, Rochester, MN
5. Baylor College of Medicine, Houston, TX
6. Henry Ford Foundation, Detroit, MI
7. Acorn Cardiovascular, St. Paul, MN


1. University of Pennsylvania, Philadelphia, PA
2. University of Pennsylvania, Philadelphia, PA


1. Cleveland Clinic Foundation, Cleveland, OH


1. Lerner Research Institute, Cleveland Clinic, Cleveland, OH


1. University of Utah, Salt Lake City, UT

10:30 AM – NOON **CONCURRENT SESSION 48: Organ Allocation (241)**


1. UTAH Cardiac Transplant Program, Salt Lake City, UT
2. Intermountain Donor Services, Salt Lake City, UT

10:45 AM (717) **Predictors of Time on the Lung Transplant Waiting List after Implementation of the Lung Allocation Score (LAS); D. Hadjiliadis**, J. Munson, V.N. Ahya, J. Lee, R.M. Kotloff, A. Pochettino, J.D. Christie

1. University of Pennsylvania, Philadelphia, PA
2. University of Pennsylvania, Philadelphia, PA

11:00 AM (718) **The Lung Allocation Score Predicts Lung Transplant Short-Term Waiting List and Late (3yr) Post-Transplant Mortality in a Non-US Center; B.J. Levvey**, D. Keating, A. Griffiths, T. Oto, G.I. Snell

1. Alfred Hospital and Monash University, Melbourne, Victoria, Australia
2. Okayama University, Okayama, Japan


1. Stanford University, Palo Alto
2. Victoria University, Wellington, New Zealand
3. California Transplant Donor Network, Oakland
4. University of California, San Francisco
5. Kaiser Permanente, San Francisco

11:30 AM (720) **Oversizing Donor Cardiac Allografts for Patients with Pulmonary Hypertension May Not Be Necessary; M. Kwon**, A. Ankrom, A. Ardehali, M. Kawano, M. Kittleson, K. Kiyosaki, J. Kobashigawa

1. David Geffen School of Medicine at UCLA, Los Angeles, CA
2. David Geffen School of Medicine at UCLA, Los Angeles, CA


1. University of Utah, Salt Lake City, UT
NOON – 1:00 PM
Council Reports to the Membership and Board (Room 242 AB)

1:30 PM – 5:00 PM
ISHLT Board of Directors Meeting (Sisley Room, Hotel Concorde LaFayette)
## ALPHABETICAL LIST OF EXHIBIT COMPANIES

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## EXHIBITORS AND PRODUCT DESCRIPTIONS

**Argon Medical Devices, Inc. (USA)**

*Medica Europe BV (Europe)*

1445 Flat Creek Road  
Athens, TX 75751 (USA)  
Website: [www.argonmedical.com](http://www.argonmedical.com) (USA)

Galliersweg 20 – 5349 AT Oss (Europe)  
Website: [www.medica-europe.nl](http://www.medica-europe.nl) (Europe)  
Booth Number: 012

Argon Medical Devices, Inc. manufacturer of Jawz™ Endomyocardial Biopsy Forceps and a full line of vascular access products including introducers, guide wires, thermodilution catheters, and many customizable kits specific to needs of cardiac transplantation centers. Ask about Argon’s line of Micro-Introducer kits for Biopsy IJ/Femoral access.

**Astellas Pharma Inc**

2-3-11, Nihonbashi-Honcho, Chuo-Ku, Tokyo 103-8411, Japan  
Website: [www.astellas.com](http://www.astellas.com)  
Booth Number: 107

Astellas Pharma Inc is one of the top 20 pharmaceutical companies in the world and remains committed to urology, dermatology, transplantation and anti-infectives. As a research and development organization it is passionate about bringing new interventions to the market. The Astellas Group’s raison d’être is to contribute toward improving the health of
people around the world through the provision of innovative and reliable pharmaceutical products. In Transplantation, Astellas has an immuno-suppressant to prevent organ rejection in kidney and liver transplants, and its development pipeline includes further products for the prevention of organ rejection post-transplant.

Avalon Laboratories
2610 E. Homestead Place
Rancho Dominguez, California 90220, USA
Website: www.avalonlags.com
Booth Number: 001

Product Description (Not to exceed 100 words in length)
Avalon Laboratories is a leading manufacturer of wire-reinforced cardiopulmonary vascular cannula. Avalon Elite™ is the company’s premium line of proprietary catheters providing new and unique solutions for patients receiving extracorporeal support. The Avalon Elite Bi-Caval Dual Lumen Catheter (DLC) is indicated for use as a single catheter for simultaneous venous drainage and reinfusion of blood via the internal jugular vein. With a wide range of sizes, the DLC is the world’s first wire-reinforced, veno-venous catheter available for both pediatrics and adults. The Avalon Elite line also features the high performing Multi-Port Venous Femoral Catheter and a Vascular Access Kit.

Berlin Heart
Wiesenweg 10,
12247 Berlin, Germany.
Website: www.berlinheart.com
Booth Number: 101

Berlin Heart is the only company worldwide that develops, manufactures, and distributes implantable and paracorporeal ventricular assist devices for patients of every age and body size.

EXCOR® is a paracorporeal pulsatile VAD for uni- or biventricular support in newborns, children, adolescents, and adults. EXCOR® Pediatric is leading the worldwide market of pediatric VADs.
INCOR® is an implantable axial-flow LVAD for 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.

Cardinal Health Research Services
22745 Savi Ranch Parkway
Yorba Linda, California, 92887, USA
Leibnizstraße 7, D-97204 Hoechberg, Bavaria, Germany
Website: www.cardinalhealth.com/researchservices
Booth Number: 210

Based in Hoechberg, Germany and Yorba Linda, CA Cardinal Health Research Services is a global market leader in providing innovative technology and service solutions to the pharmaceutical, biotechnology and telehealthcare industries. We provide centralized devices and solutions for electronic data capture of Respiratory, ECG, Cardiac Safety, Tremor, ePRO data, including Ambulatory monitoring (PEF/FEV1, ABPM, Holter, eDiary) in all phases of clinical development. With solutions designed to be as unique as your fingerprint, we approach every project with a willingness to adapt to our clients’ needs and have one major goal in mind: Creating exceptional value for the customers we serve.

CircuLite, Inc.
250 Pehle Avenue, Plaza 1, 4th Floor
Saddle Brook, New Jersey 07663
Website: www.circulite.net
Booth Number: 203

CircuLite is transforming heart failure treatment with the development of minimally-invasive micro-pumps for long term partial circulatory support (PCS). By enabling a proactive and lower-risk treatment approach by supplementing a patient's native pumping capacity, CircuLite has the potential to improve the quality of life for millions of chronic heart failure patients and their families. CircuLite’s pipeline of PCS devices is lead by the Synergy™ Pocket Micro-Pump System, a surgically implanted micro-pump currently in a CE Mark clinical trial. Next-generation Synergy micro-pumps include an endovascular system, a fully-implantable system and a pediatric system.

CorMatrix Cardiovascular, Inc.
CorMatrix Cardiovascular is a privately held company based in Atlanta, GA, that is dedicated to developing and delivering innovative cardiovascular devices that harness the body’s innate ability to remodel damaged tissue. CorMatrix holds an exclusive license to research, develop, manufacture and market naturally occurring ECM products for cardiovascular applications and currently has U.S. FDA clearance and European approval with a CE Mark to market its ECM Technology as an implant for pericardial closure. Additionally, CorMatrix has received FDA clearance for cardiac tissue repair and is conducting pre-clinical studies on a number of additional cardiovascular applications. For more information, visit www.cormatrix.com.

CSL Behring
1020 First Ave
King of Prussia, Pennsylvania 19406
Website: www.csibehring.com
Booth Number: 007

CSL Behring is a global leader in the plasma protein biotherapeutics industry. CSL Behring manufactures and markets a range of safe and effective plasma-derived and recombinant products and related services.

The company’s therapies are used in organ transplantation, the treatment of hemophilia, von Willebrand disease, other bleeding disorders, immune deficiency disorders, and inherited emphysema. Other products are used for the prevention of hemolytic diseases in the newborn, in cardiac surgery, and in the treatment of burns and shock.

CSL Behring is a subsidiary of CSL Limited, biopharmaceutical company with headquarters in Melbourne, Australia. For more information, visit www.csibehring-us.com.
Website: www.csibehring-us.com

Cylex Incorporated®
8980-I Old Annapolis Road
Columbia, MD  21045
Website: www.cylex.net
Booth Number: 212


Elsevier, Inc.
1600 JFK Blvd
Suite 1800
Philadelphia, Pennsylvania 19103
Web Address: www.elsevierhealth.com
Booth # 005

Elsevier (www.elsevier.com) is proud to publish The Journal of Heart and Lung Transplantation (www.jhltonline.org), the official journal of the International Society for Heart and Lung Transplantation (ISHLT). Be sure to stop by our booth to view the latest issue of the Journal and browse our other books, journals and electronic offerings.

F. Hoffmann-La Roche Ltd
Grenzacher Str 177
Basel, Switzerland CH-4070
Website: http://www.roche.com
Booth Number: 106
About CellCept®

CellCept® (mycophenolate mofetil) is indicated in combination with ciclosporin and corticosteroids for the prophylaxis of acute transplant rejection in patients receiving cardiac, renal or hepatic transplants. CellCept® is available as tablets, capsules, solution or i.v.¹

About Valcyte®*

Valcyte® (Valganciclovir) is indicated for the prevention of CMV-disease in CMV-negative patients who have received solid organ transplants from CMV-positive donors. 900 mg Valcyte® is the correct dose for patients with normal renal function.²

Valcyte® is available as tablets or a powder for oral solution.**

*Trademark in France: RoValcyte;
** not available in France

1. CellCept® SmPC
2. Valcyte® SmPC

HeartWare, Inc.
205 Newbury Street, Suite 101
Framingham, Massachusetts 01701
Web address: www.heartware.com
Booth Number: 104

HeartWare, Inc. is developing a family of implantable mechanical circulatory support systems for the treatment of advanced heart failure. Through a cadence of progressively smaller devices implanted using less invasive techniques, HeartWare expects to treat an increasing proportion of heart failure patients and to access them at an earlier stage of their disease progression. HeartWare’s lead device, the HeartWare® Ventricular Assist System, incorporates state-of-the-art peripherals and features the only full-output pump designed to be implanted less invasively in the pericardial space. The HeartWare® System has CE-Mark approval and is currently the subject of a 150-patient US IDE clinical trial.

Genzyme Europe
Gooimeer 10
Naarden, The Netherlands 1411 DD
Web address: www.genzyme.com
Booth Number: 006

One of the world’s leading biotechnology companies, Genzyme is dedicated to making a major positive impact on the lives of people with serious diseases. The company’s products and services are focused on rare inherited disorders, kidney disease, orthopaedics, cancer, transplant and immune diseases, and diagnostic testing. Genzyme’s commitment to innovation continues today with a substantial development program focused on these fields, as well as heart disease and other areas of unmet medical need

International Institute for the Advancement of Medicine
125 May Street
Edison, New Jersey 08837
Website: www.iiam.com
Booth Number: 103

With over 20 years experience, the International Institute for the Advancement of Medicine (IIAM) operates one of the world’s largest recovery networks for donated, normal and diseased, human organs and tissue that are consented for medical research and education. IIAM works with over 50 organ recovery programs, receiving over 5,000 referrals annually of non-transplantable human organs and tissue, and distributing over 2,600 specimens that are consented for research each year. Through the continued support of donors, organ procurement organizations and tissue banks, IIAM helps advance medical research in finding cures for disease and development new drugs, therapies and surgical procedures.

ISHLT Thoracic Transplant Registry
700 North 4th Street
Richmond, Virginia 23219
Contact: Kathryn Phillibin
Website: www.help@ishlt.org
Booth Number: 003

The ISHLT International Registry for Heart and Lung Transplantation was created to collect on-going, current information on the worldwide thoracic organ transplantation experience. Our registry is the only one of its kind. The data we maintain
is utilized for scientific study and contributes to the body of knowledge regarding thoracic transplantation. Our goal is to identify overall and best practices for improving cardiothoracic patient care.

This year the exhibit will make center-specific information available for review by ISHLT clients. In addition, clients can view data screens and receive guidance on participation in our registry, submission of data and special data request services.

Levitronix GmbH  
Technoparkstrasse 1  
Zürich, Switzerland CH-8005  
Website: www.levitronix.com  
Booth Number: 202

The Levitronix® CentriMag® and PediVAS® devices are designed to provide temporary mechanical circulatory support. In the US, the CentriMag is approved for use as an RVAS. CentriMag is also undergoing clinical trials for adult and pediatric “failure-to-wean” patients for LVAD or BVAD support. The PediVAS is optimized to provide circulatory support for neonatal patients. Both systems are CE Marked for use for up to 30 days for VAD and ECMO applications.

Caution: CentriMag is an Investigational Device. Limited by Federal (USA) law to investigational use. The PediVAS has not been approved by the U.S. Food and Drug Administration.

MicroMed Cardiovascular  
8965 Interchange Dr.  
Houston, Texas 77054  
Website: www.micromedcv.com  
Booth Number: 206

The Heart Assist 5™ VAD system is a result of MicroMed Cardiovascular’s commitment and years of research to create an axial flow ventricular assist device which provides full support and improved quality of life to patients of all sizes suffering with heart failure. The Heart Assist 5™ is the only VAD that offers both direct real time flow data and implants above the diaphragm. It is CE-mark approved in Europe, undergoing an IDE BTT clinical study in the U.S. (as the DeBakey VAD®) and is the only FDA approved pediatric ventricular assist device.

Novartis Pharma AG  
Postfach  
Basel, Switzerland 4002  
Web address: www.novartis.com  
Booth Number: 108

Novartis AG provides healthcare solutions that address the evolving needs of patients and societies. Focused solely on growth areas in healthcare, Novartis offers a diversified portfolio to best meet these needs: innovative medicines, cost-saving generic pharmaceuticals, preventive vaccines and diagnostic tools, and consumer health products. Novartis is the only company with leading positions in these areas. In 2007, the Group’s continuing operations (excluding divestments in 2007) achieved net sales of USD 38.1 billion and net income of USD 6.5 billion. Approximately USD 6.4 billion was invested in R&D activities throughout the Group. Headquartered in Basel, Switzerland, Novartis Group companies employ approximately 98,200 full-time associates and operate in over 140 countries around the world

One Lambda, Inc.  
21001 Kittridge St  
Canoga Park, California, 91303, USA  
Website: www.onelambda.com  
Booth Number: 011

Scanlan International, Inc.  
One Scanlan Plaza  
Saint Paul, Minnesota 55107  
Website: www.scanlaninternational.com  
Booth Number: 109
Highest quality surgical products designed and manufactured by the Scanlan family since 1921. Over 3,000 titanium and stainless steel instrument designs including needle holders, forceps, scissors, clamps and specialty instruments. New instruments include the SCANLAN® LEGACY Dual Guide™ titanium forceps and a full line of MICS/VATS Thoracoscopic instruments. Single-use products include: VASCU-STATT® bulldog clamps, SCANLAN® Aorta/Vein Punch, A/C Locator® graft markers, SURG-I-PAW® jaw covers and SOFT-GRIP™ fabric clamp covers. Surgical Acuity magnifying loupes featuring titanium frames, large field size and great field depth for superior visualization. Also offering custom instrument modifications to meet your individual needs.

Scholten Surgical Instruments, Inc.
170 Commerce St. # 101
Lodi, California 95240 – USA
Website: www.bioptome.com
Booth Number: 010

Scholten Surgical Instruments is excited to be exhibiting at this year’s ISHLT annual meeting in Paris where we will debut our new Novatome™ Single-Use Endomyocardial Biopsy Forceps. This new EMB device, born from the pedigree of the Scholten Bioptome, a device with 30 years of proven clinical experience, is now available in a single-use version. The Novatome offers the same precise feel, ease of placement, and large sample size expected from Scholten products. Scholten Surgical has recently received certification to the ISO 13485 quality system standard and CE mark for our products allowing world wide distribution.

SynCardia Systems, Inc.
1992 E. Silverlake Rd.
Tucson, Arizona  85713
Website: www.syncardia.com
Booth Number: 204

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 driver 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. Visit our booth for updates on upcoming clinical studies for the Companion Driver, the Freedom discharge driver, the 50cc TAH-t, and the pediatric VAD.

Terumo Heart Inc.
6180 Jackson Road
Ann Arbor, Michigan 48103
Website: www.terumoheart.com/
Booth Number: 110
Terumo Heart, Inc. is dedicated to the innovation, introduction and advancement of products to improve the quality of healthcare for heart failure patients. Our principal focus is the development of the DuraHeart™ Left Ventricular Assist System (LVAS), 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. DuraHeart is limited to investigational use only in the United States, and is CE marked in Europe.

Thoratec Corporation
6101 Stoneridge Drive
Pleasanton, California 94588
Website: www.thoratec.com
Booth Number: 205

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 12,000 patient implants and three decades of experience, Thoratec offers the broadest portfolio of ventricular assist devices. Thoratec’s product line includes the HeartMate® LVAS, Thoratec PVAD™ and IVAD™, and the HeartMate II® LVAD.

TransMedics
200 Minuteman Road
Andover MA 01810
Website: www.transmedics.com
Booth Number: 208
TransMedics is a medical technology company whose mission is to extend and expand the life saving benefits or 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.

Ventracor Ltd
58 US Highway, 46 West
Budd Lake, New Jersey 07828
Website: www.ventracor.com
Booth Number: 111

Ventracor is a global medical device company which has developed a new 3rd generation implantable blood pump, the VentrAssist® LVAD, for left ventricular support.

The VentrAssist LVAD has a hydrodynamically suspended impeller free of mechanical bearings, and a diamond-like carbon coating of the blood pathway.

The VentrAssist wearables are compact and lightweight, fitting into patients' lifestyles. The thin, flexible percutaneous lead is paired with an extracorporeal lead that can be replaced without pump exchange if damaged.

The VentrAssist LVAD has been designed to deliver safe, reliable, long-term circulatory support for patients with end-stage heart failure, and to improve their quality of life.

Vitrolife
113 Buttercup Road
Lake Ozark, Missouri 65049
Website: www.vitrolife.com
Booth Number: 207

Vitrolife 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

World Heart, Inc.
4750 Wiley Post Way, Suite 120
Salt Lake City, Utah 84116, USA
www.worldheart.com
Booth Number: 009

WorldHeart's focus is to develop the innovative rotary Levacor™ VAD based on our proprietary maglev technology. The IDE application for the Levacor VAD to start a pivotal BTT trial in the USA was submitted to the FDA in January 2009. A CE Mark Study in the EU is also anticipated.

This builds on a quarter-century of support provided by the long-term implantable pulsatile Novacor® LVAS to more than 1,800 patients worldwide with life-threatening heart failure: allowing some recipients' return to families, homes, occupations, and hobbies, with the longest duration of support on an original device being more than 6 years.

X Dx Expression Diagnostics
3260 Bayshore Blvd
Brisbane, CA 94005
Website: www.xdx.com
Booth Number: 105
XDx is a molecular diagnostics company focused on the discovery, development and commercialization of non-invasive gene expression testing in the areas of transplant medicine and autoimmunity. The company has developed a proprietary method of utilizing gene expression in blood that provides a new tool for physicians to manage the care of heart transplant patients.

AlloMap® testing is intended to aid in the identification of heart transplant recipients with stable allograft function who have a low probability of moderate/severe acute cellular rejection (ACR) at the time of testing in conjunction with standard clinical assessment.
Future Annual Meetings

2010
30th ISHLT Annual Meeting and Scientific Sessions
Hilton Chicago
Chicago, IL, USA
April 21-24

2011
31st ISHLT Annual Meeting and Scientific Sessions
Hilton San Diego Bayfront
San Diego, CA, USA
April 13-16