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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 32 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.

Category I Continuing Education Points for Transplant Coordinators (CEPTs) have been applied for through the American Board of Transplant Coordinators (ABTC).

Continuing Education hours in CERP Category A have been applied for through the American Association of Critical Care Nurses (AACN).

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 need.

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 should be able to:
* Identify, prevent, and treat post-transplant complications of immunosuppression including infection, renal dysfunction, and post-transplant malignancy
* Compare and evaluate the relative advantages and disadvantages of various pharmacologic, non-pharmacologic, and biologic immunosuppression techniques
* Understand current and developing organ preservation/reperfusion techniques and the impact of these on the transplanted organ, and use that knowledge to optimize donor selection and extend the donor pool
* Compare and evaluate the advantages and disadvantages of various mechanical circulatory support systems and their associated patient selection criteria
* Describe the state of the art in clinical heart and lung failure treatment and the criteria for the selection of patients for transplant therapy
* Understand current animal models of basic science immunology and their application to the transplant setting
* Evaluate issues of controversy, such as age, prior transplantation, and systemic diseases, in the selection of candidates for heart and lung transplantation
* Understand the pathology of acute and chronic rejection and its application in the formulation of a definitive diagnosis of rejection
* Identify the issues unique to pediatric transplantation, and apply to pediatric transplantation the relevant practices and therapies of adult transplantation
* Evaluate the current and developing alternatives to orthotopic transplantation, including mechanical circulatory support, xenotransplantation, and a variety of surgical alternatives; assess the future of these therapies; and compare the value of these therapies as alternatives and/or bridges to transplantation
* Evaluate and implement the use of alternative methods of monitoring and treating rejection
* Identify, prevent, and treat donor-transmitted diseases
Disclosure
Current guidelines state that participants in CME activities should be made aware of any affiliation or financial interest that may affect a speaker’s presentation. Each speaker has been requested to complete a disclosure statement. The names of the speakers declaring such affiliations are shown below. Additionally, all speakers have been asked to verbally disclose at the start of their presentation any financial interest or affiliations and to indicate if a product they are discussing is not labeled for the use under discussion or is still investigational.

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<th>FACULTY/PRESENTATION</th>
<th>COMPANY AFFILIATION</th>
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Joint ISHLT/ASHI Symposium

Robert Shaddy, MD  
Satellite Symposium: Pediatric Thoracic Transplantation: Cutting Edge and Future Directions

Randall Starling, MD  
Novartis Lunch Symposium

Doria Taylor, PhD  
Satellite Symposium: Heart Failure: Who Needs Drugs Anyway?

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Plenary Sessions
Concurrent Sessions
Lunch Symposia

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SCIENTIFIC PROGRAM

Note: All meetings and activities will take place at the Hofburg Congress Center unless otherwise specified. All papers will be presented in English.

TUESDAY, APRIL 8, 2003

8:00 am-6:00 pm
Exhibit Hall Set Up (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal)

1:00 pm-6:00 pm
ISHLT Board of Directors Meeting (Radetzky Appt II)

WEDNESDAY, APRIL 9, 2003

8:00 am-Noon
ISHLT Board of Directors Meeting (Radetzky Appt II)
Exhibitor Set Up (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal, Wintergarten)
Poster Board Set Up (Gardehalle I)

8:00 am-6:00 pm
Speaker Ready Room Open (Kunstlerzimmer)

10:00 am-6:00 pm
Registration Desk Open (Halle)

Noon – 6:00 pm
Exhibit Hall Open (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal, Wintergarten)
Poster Session 1 Set-Up (Gardehalle I)

12:30 pm-3:00 pm
Satellite Symposium: Heart Failure: Who Needs Drugs, Anyway? (Festsaal)
Chairs: Robert L. Kormos, MD and Ernst Wolner, MD

BiVentricular Pacing and ICDs
Robert Bourge, Univ of Alabama, Birmingham, AL
Girdling Devices for Left Ventricular Remodeling
Michael Acker, MD, University of Pennsylvania, Philadelphia, PA
New Therapeutic Horizons Using Cell Therapy for Heart Failure
Doris Taylor, PhD, Duke University Medical Center, Durham, NC
New Pulsatile Assist Systems: Ventricular and Total Heart
Aly El-Banayosy, Heart Center NRW, Bad Oeynhausen, Germany
Continuous Flow Devices: Axial and Centrifugal
George Wieselthaler, MD, University of Vienna, Vienna, Austria
Myocardial Recovery Strategies Using LVADs
Asghar Khagani, FRCS, Harefield Hospital, Harefield, United Kingdom
Surgical Remodeling
Vincent Dor, MD, Centre Cardio-Thoracique de Monaco, Monaco

12:30 pm-3:00 pm
Satellite Symposium: Pulmonary Hypertension (Zeremoniensaal)
(supported by an educational grant from Actelion)
Chairs: Paul Corris, MD and Keith McNeil, MD

Genetic Screening - Possibilities and Pitfalls
Richard Trembath, BSc, MB, BS, FRCP, Leicester, United Kingdom
Screening for PAH in those at Risk: What is Best?
Jean Luc Vachiery, MD, Erasme University Hospital, Brussels, Belgium
Combination Therapy - Which and When: The Evidence
Anne Keogh, MBBS, MD, St. Vincent’s Hospital, Sydney, Australia
Septostomy and Transplantation - Indications and Timing
Paul Corris, MB FRCP, Freeman Hospital, Newcastle upon Tyne, United Kingdom
12:30 pm-3:00 pm
Joint ISHLT/ASHI Symposium: Clinical Significance of HLA and non-HLA Antibodies in Heart and Lung Transplantation (Prince Eugen Saal)
Chair: Adriana Zeevi, PhD

Opening Remarks and Introduction
Adriana Zeevi, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA

Clinically Relevant Alloantibodies in Heart Transplant Patients
Ron H. Kerman, PhD, University of Texas Medical School, Houston, TX

Clinically Relevant Alloantibodies in Lung Transplant Recipients
Nancy Reinsmoen, PhD, Duke University Medical Center, Durham, NC

Determination and Clinical Significance of Non-HLA Specific Antibodies
Marlene Rose, PhD, Harefield Hospital, Harefield, United Kingdom

3:00 pm - 3:30 pm
Coffee Break (Exhibit Halls)

3:30 pm-6:00 pm
Novartis Symposium: Immunosuppression Pathways for Prolongation of Graft Survival (Festsaal)
Chair: Anne Keogh, MBBS, MD

Factors Contributing to Graft Failure in Heart and Lung Transplantation
Anne Keogh, MBBS, MD, St. Vincent’s Hospital, Sydney, Australia

Post-Transplant Vasculopathies in Cardiac Transplantation
Jayan Parameshwar, MRCP, Papworth Hospital, Cambridge, United Kingdom

Advances in Immunomodulation: Potential Targets for the Future
Randall E. Morris, MD, Novartis Pharma AG, Basel, Switzerland

3:30 pm-6:00 pm
Satellite Symposium: Nursing Satellite (Zeremoniensaal)
Chairs: Katherine J. Hoercher, RN and Sandra A. Cupples, DNSc, RN

Homeward Bound: IV Milrinone and Status 1B Patients Waiting at Home
Carol Twomey, CRNP, University of Pennsylvania Medical Center, Philadelphia, PA

Management of LVAD Patients at Home: Challenges and Strategies
Karl Nelson, MD, Salt Lake City, UT

How Sick Is Too Sick? Taking the High-Risk Lung Transplant Recipient to Surgery
Jean B. Rea, RN, MS, CCTC, Duke University Medical Center, Durham, NC

Complications of Immunosuppression
Robert Bourge, MD, University of Alabama, Birmingham, AL

Panel Discussion: Clinical and Quality of Life Outcomes in Cardiothoracic Transplantation: Emerging Issues and Future Directions
Sandra A. Cupples, DNSc, RN, Washington Hospital Center, Washington, DC
Mary Amanda Dew, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA
Sabina M. DeGeest, PhD, RN, University of Basel, Basel, Switzerland
Fabienne Dobbels, Msc, University Hospital Leuven, Leuven, Belgium
Kathleen L. Grady, PhD, RN, Rush Presbyterian-St. Lukes Medical Center, Chicago, IL
Dorothy M. Lanuza, PhD, RN, Loyola University of Chicago, Maywood, IL
Wayne D. Paris, MSW, Nazih Zuhdi Transplantation Institute, Oklahoma City, OK

Panel Discussion: Transplant as a Venue for Career Development: 2 Year, 10 Year And 20 Year Perspectives
Kathleen L. Grady, PhD, RN, Rush-Presbyterian-St Luke's Medical Center, Chicago, IL
Nancy P. Blumenthal, MSN, CS, CRNP, University of Pennsylvania Medical Center, Philadelphia, PA
Wouter Tack, Onze Lieve Vrouw Clinic, Oust, Belgium

3:30 pm-6:00 pm
Satellite Symposium: Pediatric Thoracic Transplantation: Cutting Edge and Future Directions
(Prince Eugen Saal)
Chairs: Keld Sorensen, MD and TBD
ABO Incompatible Heart Transplantation
Lori West, MD, DPhil, Hospital for Sick Children, Toronto, Canada

Future Directions in Pediatric Immunosuppression
Bill A. Pietra, University of Colorado Children’s Hospital, Littleton, CO

Experimental Approaches to Tolerance Directed Towards Children
Joren C. Madsen, MD, Massachusetts General Hospital, Boston, MA

Options for the Sensitized Heart Transplant Candidate
Robert E. Shaddy, MD, Primary Children’s Medical Center, Salt Lake City, UT

Living Related Lung Transplantation: First or Last Choice?
Marilyn S. Woo, University of Southern California, Los Angeles, CA

6:00 pm – 7:00 pm
Registry Executive Committee Meeting (Radetzky Appt II)

6:00 pm-8:00 pm
How-To Symposium: Expanding the Borders: How to Start or Rejuvenate a Thoracic Transplant or Device Program (Prince Eugen Saal)
Chairs: Branislav Radovancevic, MD and Stephan Schueler, MD

Introduction
Marian Zembala, MD, Silesian Medical School, Zabrze, Poland

Heart Failure Program: Role in Patient Recruitment for Transplantation, Devices or Alternatives
Mandeep R. Mehra, MD, Ochsner Medical Institutions, New Orleans, LA

Overcoming and Simplifying the Donor Issue
Bruce Rosengard, MD, University of Pennsylvania, Philadelphia, PA

Optimal and Affordable Transplant Programs
Guenther Lauer, MD, University Hospital Innsbruck, Innsbruck, Austria

Why Should a Lung Transplant Program be Developed in Parallel to a Heart Program?
Walter Klepetko, MD, University of Vienna, Vienna, Austria

Mechanical Replacement or Assistance
Branislav Radovancevic, MD, Texas Heart Institute, Houston, TX

THURSDAY, APRIL 10, 2003

7:00 am-5:30 pm
Speaker Ready Room Open (Kunstlerzimmer)

7:30 am-8:30 am
Morning Coffee (Exhibit Halls)

7:30 am-10:00 am
Poster Session 1 Set-Up (Gardehalle I)

7:30 am-6:30 pm
Registration Desk Open (Halle)
Exhibits Open (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal, Wintergarten)

8:00 am-10:00 am
OPENING PLENARY SESSION (Festsaal)
Chairs: Stephan Schueler, MD and Bruce R. Rosengard, MD

8:00 am Welcome, Stephan Schueler, MD, ISHLT President, Freeman Hospital, Newcastle Upon Tyne, United Kingdom
8:05 am Scientific Program Report, Bruce R. Rosengard, MD, University of Pennsylvania, Philadelphia, PA
8:10 am Registry Report, Marshall I. Hertz, MD, Medical Director, ISHLT International Heart and Lung Transplant Registry, University of Minnesota, Minneapolis, MN
8:35 am Presidential Address, Stephan Schueler, MD, ISHLT President, Freeman Hospital, Newcastle Upon Tyne, United Kingdom

Featured Abstracts
9:00 am (1) Non-Invasive Molecular Screening for Acute Cardiac Rejection: A Multicenter Prospective Clinical Study
H.J. Eisen,1 M.C. Deng,2 M. Mehra,3 S. Hunt,4 F. Johnson,5 R. Robbins,6 M. Autieri,7 S. Itescu,2 J. Giacomini,2 D. Ahern,2 G. Berry,8 C. Marboe,9 I. Mahmood,5 R. Woodward,2 J. Wohljemuth,5 1Advanced Heart Failure and Transplant Center, Temple
Serial Echocardiography Increases Donor Heart Utilization
W.D. Babcock, R.L. Menza, J.G. Zaroff, Clinical Services, California Transplant Donor Network, Oakland, CA; Division of Cardiology, University of California; San Francisco, San Francisco, CA

9:30 am Invited Lecture: State of the Art of Molecular Diagnosis for Rejection and Tolerance
Vicki Seyfert-Margolis, PhD, Immune Tolerance Network, Bethesda, MD

10:30 am – Noon
CONCURRENT SESSION 1
Clinical Heart Transplantation 1: Cardiac Allograft Vasculopathy (Festsaal)
Chairs: Asghar Khagani, FRCS and George Tellides, MD

10:30 am (3) Elevated Homocysteine Levels Accelerate Cardiac Allograft Vasculopathy
I. Kutschka, K. Pethig, W. Harringer, A. Haverich, M. Strueber, Department of Thoracic and Cardiovascular Surgery, Klinikum Braunschweig, Braunschweig, Germany; Department of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany

10:45 am (4) Effect of Folate Administration on Heart Allograft Atherosclerosis One Year after Transplant: A Prospective Randomized Study
L. Potena, G. Magnani, S. Sorbello, F. Grigioni, S. Sassi, F. Grigioni, S. Sassi, F. Coccolo, S. Carigi, A. Marzocchi, Institute of Cardiology, University of Bologna, Bologna, Italy; Institute of Angiology, University of Bologna, Bologna, Italy

11:00 am (5) Improved Survival after Diagnosis of Cardiac Allograft Vasculopathy (CAV) through Extreme Reduction of Cholesterol and Fibrinogen
B.R. Jaeger, P. Braun, D. Nagel, L. Bennett Edwards, M. Oberhoffer, J.W. Park, M.C. Deng, D.B. Gysan, E. Kreuzer, S. Schuler, B. Reichart, D. Seidel, Institute of Clinical Chemistry, Ludwig-Maximilians-University, Munich, Germany; Cardiology, Ev.Kaiser-Wilhelm-KHK, Duisburg, Germany; ISHLT Registry/MCSD Database, ISHLT, Richmond/New York, VA/NY; Abteilung f. Herzchirurgie, Ludwig-Maximilians-University, Munich, Germany; Cardioiology, Klinikum Hoyerswerda, Hoyerswerda, Germany; Kardiologie, Roelshover Hof, Koeln, Germany; Cardiac Surgery, Freeman Hospital, Newcastle upon Tyne, United Kingdom

11:15 am (6) Paraoxonase-1 M55L Single Nucleotide Polymorphism: A New Mutation Associated with Transplant Coronary Artery Disease?

11:30 am (7) May Preservation Solution Affect the Incidence of Graft Vasculopathy in Transplanted Heart?
M. Garlicki, Cardiosurgery Department, MSWiA Hospital, Warsaw, Poland

11:45 am (8) Donor Intracranial Bleeding is Associated with Advanced Transplant Coronary Vasculopathy: Evidence from Intravascular Ultrasound
M.H. Yamani, R.C. Starling, E.M. Tuzcu, S.A. Haji, D.J. Cook, A.S. Abdo, N.B. Ratliff, M.M. Yousufuddin, P.M. McCarthy, J.B. Young, Cardiology, Cleveland Clinic, Cleveland, OH; Allogen Laboratory; Anatomic Pathology; Cardiovascular Thoracic surgery, Cleveland Clinic, Cleveland, OH

10:30 am-Noon
CONCURRENT SESSION 2
Lung Heart/Lung Transplantation 1: Immunosuppression and Chronic Rejection in Lung Transplantation (Zeremoniensaal)
Chairs: John Dark, MB, FRCS and Bruno Reichart, MD

10:30 am (9) Long Term Follow-Up of a Prospective Randomized Trial Comparing Tacrolimus Versus Cyclosporine in Combination with MMF after Lung Transplantation
A. Zuckermann, H. Reichenspurner, P. Jaksch, H. Treede, W. Wisser, J. Groetzner, B. Reichart, W. Klepetko, Department of Cardio-Thoracic Surgery, University of Vienna, Vienna, Austria; Department of Cardiac Surgery, Universitaetsklinikum Eppendorf Hamburg, Hamburg, Germany; Department of Cardiac Surgery, Ludwig-Maximilian University Munich, Munich, Germany

10:45 am (10) Prospective Randomized International Multi-Center Investigator Driven Study Comparing TAC and CSA (+MMF / Steroids) after Lung Transplantation - Interim Analysis of 110 Patients
H. Reichenspurner, A. Glanville, W. Klepetko, R. Lama, G.M. Verleden, C. Bravo, M. Estenne, B. Reichart, S. Hirt, F.Z. Goni, J. Aubert, J.M. Borro, P. Ussetti, T. Wahlers, H. Treede, the European and Australian Investigators in Lung Transplantation, Department of Cardiovascular Surgery, University Hospital Hamburg-Eppendorf, Hamburg, Germany; University of Sydney, Sydney, Australia; University of Vienna, Vienna, Austria; University of Cordoba, Cordoba, Spain; University of Leuven, Leuven, Belgium; University of Barcelona, Barcelona, Spain; University of Bruxelles, Bruxelles, Belgium; University of Munich, Munich, Germany; University of Kiel, Kiel, Germany; University of Santander, Santander, Spain; University of Lausanne, Lausanne, Switzerland; University La Coruna, La Coruna, Spain; University of Madrid, Madrid, Spain; University of Jena, Jena, Germany

11:00 am (11) Aerosol Cyclosporin Provides Dose Dependent Improvement in Lung Function after Lung Transplantation
T.E. Corcoran, G.C. Smaldone, J.H. Dauber, D.A. Smith, K.R. McCurry, G.J. Burckart, B.P. Griffith, W.F. Grgurich, A.T. Iacono, Pulmonary, Allergy, and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA; Pulmonary and Critical Care Medicine, State University of New York at Stony Brook, Stony Brook, NY; Division of Cardiothoracic Surgery, University of Pittsburgh, Pittsburgh, PA; Division of Cardiothoracic and Cardiopulmonary Transplantation, University of Maryland Medical Center, Baltimore, MD

11:15 am (12) IL-10 High Genotype Is Protective Against Acute Persistent Rejection after Lung Transplantation
H.X. Zheng, G.J. Burckart, K. McCurry, S. Webber, D. Zaldonis, J. Ristic, A. Iacono, J. Dauber, W. Grgurich, K. McDade, A. Zeevi, Pharmacy, Surgery, Pediatrics, Medicine, and Pathology, University of Pittsburgh, Pittsburgh, PA

11:30 am (13) Bronchiolitis Obliterans Syndrome/Obliterative Bronchiolitis Ameliorated by Azithromycin
S.G. Gerhardt, S.M. Dyser, R.E. Girgis, J.V. Conte, S.C. Yang, M. Khalid, J.B. Orens, Division of Pulmonary and Critical Care Medicine, The Johns Hopkins Hospital; Division of Cardiothoracic Surgery; Division of Thoracic Surgery, The Johns Hopkins Hospital, Baltimore, MD; Division of Pulmonary Medicine, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

11:45 am (14) The Predictive Value of Bronchiolitis Obliterans Syndrome Stage 0-P
F. Fernandez, R.R. Hachem, G.A. Patterson, E.P. Trulock, Lung Transplant Program, Washington University School of Medicine, St Louis, MO

10:30 am-Noon
CONCURRENT SESSION 3
New/Alternative Therapies: Cell Transplantation for the Failing Myocardium (Prince Eugen Saal)
Chairs: Alfred Kocher, MD and Doris A. Taylor, PhD

10:30 am (15) Autologous Skeletal Myoblasts Transplanted to Infarcted Human Myocardium: Histological Analysis of Cell Survival and Differentiation
F.D. Pagani, H. DerSimonian, A. Zawadzka, D.B. Jacoby, J. Dinsmore, S. Wright, T.H. Aretz, K. Wetzel, K.D. Aaronson, Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; Department of Cell Transplantation, Diacrin, Inc, Charlestown, MA; Department of Pathology, Massachusetts General Hospital, Boston, MA; Division of Cardiology, University of Michigan, Ann Arbor, MI

10:45 am (16) Bone Marrow Cell Enhances the Efficacy of Skeletal Myoblast Transplantation in Rats with Ischemic Cardiomyopathy
G. Sakaguchi, Y. Sakakibara, K. Tambara, G. Premaratne, X. Lin, K. Nishimura, M. Komeda, Cardiovascular Surgery, Kyoto University, Kyoto, Japan

11:00 am (17) Electrophysiological Properties of Myoblasts Injected into the Infarcted Myocardium of Rats
H.C. Ott, S.A. Berjukow, R. Marksteiner, E. Margreiter, B. Podesser, G. Laufer, S. Hering, Cardiology, University of Innsbruck, Innsbruck, Austria; Biochemical Pharmacology, University of Innsbruck, Innsbruck, Austria; Cardiac Surgery, University of Innsbruck, Innsbruck, Austria; Ludwig Boltzman Institute for Cardiovascular Research, University of Vienna, Vienna, Austria
11:15 am (18) A Novel Sub-Population of Bone Marrow Derived Myocardial Stem Cells: Potential Autologus Cell Therapy in Myocardial Infarction
H.J. Soukiasian,1 J.S. Allan,2 D. Swine,1 T. Niedermeyer,2 G. Warnecke,1 Transplantation in Minipigs
A. Haverich,1 M. Strueber,1 A.A. Demetriou,1 A. Jaramillo,1 T. Higuchi,1 W. Lu,1 T. Higuchi,1 Z. Kaleem,1 G.A. Patterson,11 Department of Surgery, Cardiovascular Research Laboratories, Cedars-Sinai Medical Center, Los Angeles, CA

11:30 am (19) Transplantation of a Mixed Population of Bone Marrow-Derived Progenitor Cells Improves Regional Systolic Function in a Rabbit Model of Cryoinjured Myocardium
R.B. Thompson,1 S. Emani,1 S. Colgrove,2 B.H. Davis,2 D. Craig,1 Y. Morimoto,2 D. Glower,1 D.A. Taylor,21 Department of Surgery, Duke University Medical Center, Durham, NC; 2Department of Medicine, Duke University Medical Center, Durham, NC

11:45 am (20) Cellular Cardiomyoplasty Using Skeletal Myoblasts Overexpressing IL-1 Receptor Antagonist Enhances Effects on Adverse Post-Infarction Remodeling
B. Murtuza,1 K. Suzuki,1 M.H. Yacoub,1 Gene Therapy, Harefield Hospital, United Kingdom

10:30-noon
CONCURRENT SESSION 4
Basic Science and Immunobiology I: Tolerance and Immunomodulation (Gartensaal)
Chairs: Charles G. Orosz, PhD and Thomas D. Wekerle, MD

10:30 am (21) Interleukin-4 and -10 Combined Gene Therapy Induces Cardiac Allograft Tolerance by Promoting the Alloreactive T Cells Apoptosis and Preventing Myocytes Apoptosis Via FAS/FASL Pathway
H. Furukawa,1 K. Oshima,1 H. Russell,1 T. Tung,1 J. Xu,1 G. Cui,1 H. Laks,1 L. Sen,1 Surgery, UCLA Medical Center/UCLA School of Medicine, Los Angeles, CA

10:45 am (22) IL-10 Induces Suppressor of Cytokine Secretion-3 (SOCS-3) and ILT-3 in Human Endothelial Cells and Inhibits T Cell Costimulation
C. Gleissner,1 A. Zastrow,1 R. Klingenberg,1 N. Xia,1 T.J. Dengler,1 Cardiology, Medizinische Universitaetsklinik III, Heidelberg, Germany

11:00 am (23) Influence of an Anti-CD25 MAB on Tolerance Induction through BMT with Costimulation Blockade
S. Bigenzahn,1 P. Blaha,1 Z. Koporc,1 M. Schmid,1 E. Selzer,1 H. Bergmeister,1 C. Heusser,2 K. Wagner,2 F. Muehlbacher,1 T. Wekerle,1 Vienna General Hospital, Vienna, Austria; 2Novartis Pharma, Basel, Switzerland

11:15 am (24) Donor-Derived Suppressor Macrophages for Recipient-Specific Immunosuppression in Lung Transplantation in Minipigs
G. Warnecke,1 F. Faendrich,2 S.P. Sommer,1 T. Steinkamp,1 G. Zehle,2 M. Ruhnke,2 A.R. Simon,1 J.M. Hohlfeld,1 J. Niedermeyer,1 M. Sirueber,1 Division of T&CV Surgery, Hannover Medical School, Hannover, Germany; 2Department of Surgery, University Kiel, Kiel, Germany

11:30 am (25) Indirect Allorecognition of MHC Class II Peptides Accelerates Cardiac Allograft Rejection in Miniature Swine
D.R. Johnston,1 J.D. Mezrich,1 R. Hoerbelt,1 L.C. Benjamin,1 T. Shoji,1 R.S. Lee,1 S.L. Houser,1 L.G. Ledgerwood,1 R.S. Hasse,1 J.S. Allan,1 M.H. Sayegh,2 J.C. Madsen,1 Transplantation Biology Research Center, Massachusetts General Hospital, Boston, MA; 2Department of Nephrology, Brigham and Women’s Hospital, Boston, MA

11:45 am (26) Induction of Tolerance to a Minor Histocompatibility Antigen Prevents Post-Transplant Obliterative Airway Disease in Mouse Tracheal Allografts
T. Mohanakumar,1 A. Jaramillo,1 T. Higuchi,1 W. Lu,1 Z. Kaleem,2 G.A. Patterson,1 Department of Surgery, Washington University School of Medicine, St. Louis, MO; 2Department of Pathology, Creighton University, Omaha, NE

Noon–2:00 pm
ISHLT Editorial Board Meeting (Radetzky Appt II)

12:15 pm-1:45 pm
Novartis Lunch Symposium: Transplant Coronary Artery Disease: Intravascular Ultrasound, Surrogate Markers and Treatment (Zeremoniensaal)
Chair: Jon Kobashigawa, MD
Panel: Randall Starling, MD, Cleveland Clinic, Cleveland, OH and Howard Eisen, MD, Temple University, Philadelphia, PA

2:00 pm-3:30 pm
CONCURRENT SESSION 5
Mechanical Circulatory Support 1: Mechanical Assist as Destination Therapy for End Stage Heart Failure (Festsaal)
Chairs: Michael A. Acker, MD and Ernst Wolner, MD

(27) 2:00 pm Infection in Permanent Circulatory Support: Experience from the Randomized Evaluation of Mechanical Assistance in the Treatment of Congestive Heart Failure (REMATCH) Trial
W. Holman, 1 S. Park, 1 J. Long, 2 A. Weinberg, 2 R. Adamson, 2 E. Raines, 6 G. Couper, 7 F. Pagani, 8 N. Burton, 9 L. Miller, 9 Y. Naka, 9 Department of Surgery, University of Alabama, Birmingham, AL; 2Department of Surgery, LDS Hospital, Salt Lake City, UT; 2Department of Surgery, University of Minnesota, Minneapolis, MN; 2Department of Surgery, Columbia University, New York, NY; 2Department of Surgery, Sharp Memorial Hospital, San Diego, CA; 2Department of Surgery, Bryan LGH Heart Institute, Lincoln, NE; 2Department of Surgery, Brigham and Women's Hospital, Boston, MA; 2Department of Surgery, University of Michigan Hospital, Ann Arbor, MI; 2Department of Surgery, Innova Fairfax Hospital, Annandale, VA

(28) 2:15 pm Initial European Experience with the LionHeart(TM) LVAS (Left Ventricular Assist System) for Destination Therapy
W.E. Pae, 1 R. Koerfer, 2 A. El-Banavosy, 2 L. Arusoglu, 2 R. Hetzer, 3 Y. Weng, 3 M. Jurmann, 3 M. Vigano, 4 M. Rinaldi, 4 A. Pavie, 5 P. LaPrince, 5 E. Wolner, 6 G. Wieselthaler, 6 L. vonSegesser, 7 T. Whaler, 8 U. Franke, 8 S.R. Scholl, 9 M.T. Swartz, 9 O. Fey, 9 M. Reenders, 9 J. Lewis, 9 D. Frank, 9 Cardiothoracic Surgery, Penn State Milton S Hershey Med Ctr, Hershey, PA; 3Cardiac Surgery, Bad Oeynhausen Heart Center, Bad Oeynhausen, Germany; 4Cardiac Surgery, Deutches Herzcentrum Berlin, Berlin, Germany; 4Cardiac Surgery, Policlinico San Matteo, Pavia, Italy; 5Cardiac Surgery, La Pitie Hospital, Paris, France; 6Cardiac Surgery, University of Vienna, Vienna, Austria; 7Cardiac Surgery, CHUV Hospital Vaudois, Lausanne, Switzerland; 8Cardiac Surgery, Klinikum der Friderich Schiller Universita, Jena, Germany; 8All Representatives, Arrow International, Reading, PA

(29) 2:30 pm Design Improvements of the Heartmate VE LVAS and Their Effectiveness in Reducing Adverse Events
D.J. Farrar, 1 O. Bataille, 1 C. Cotter, 1 K. Kwan, 1 C. Aulenbach, 1 V.L. Poirier, 1 Research and Development, Thoratec Corporation, Pleasanton, CA

(30) 2:45 pm Left Ventricular Assist Device Replacement
J.W. Long, 1 W. Dembicky, 1 R. Khodaverdian, 1 A.J. Powers, 1 R. Adamson, 2 Utah Artificial Heart Program, LDS Hospital, Salt Lake City, UT; 2Mechanical Assist Device, Sharps Memorial Hospital, San Diego, CA

(31) 3:00 pm Scoring System Determines Successful RVAD Explant Following BIVAD Support: Implications for Destination Therapy
H.J. Patel, 1 S. Wright, 2 D.B. Dyke, 2 K.D. Aaronson, 2 F.D. Pagani, 1 Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; 1Division of Cardiology, University of Michigan, Ann Arbor, MI

(32) 3:15 pm Clinical Results with EPTFE Inflow Conduit for Mechanical Circulatory Support
T. Mussivand, 1 P. Fortner, 2 R. Hetzer, 3 P. Noithinne, 4 E. Vitali, 5 M. Rinaldi, 5 J.-N. Fabiani, 7 E. Wolner, 8 B. Meyns, 9 R. Koerfer, 10 F. Beyersdorf, 11 A. Pavie, 12 Cardiovascular Devices Division, University of Ottawa Heart Institute, Ottawa, ON, Canada; 2Stanford University Medical School, Stanford, CA; 3German Heart Center, Berlin, Germany; 4Cliniques Universitaires St. Luc, Brussels, Belgium; 5Hospital Niguarda Ca Granda, Milano, Italy; 6Policlinico San Matteo - University of Pavia, Pavia, Italy; 7HEGP Broussais, Paris, France; 8AKH des Statt, Vienna, Austria; 9UZ Gasthausberg, Leuven, Belgium; 10Heart Center NRW, Bad Oeynhausen, Germany; 11Albert-Ludwigs University, Freiburg, Germany; 11Hospital La Pitie Salpetiere, Creteil, France

2:00 pm-3:30 pm
CONCURRENT SESSION 6
Clinical Heart Failure 1: Prognostic Markers in Heart Failure (Zeremoniensaal)
Chairs: Robert Bourge, MD and Edoardo Gronda, MD

2:00 pm (33) Dilutional Anemia in Patients with Advanced Heart Failure Is Associated with Poor Outcome
D.M. Mancini, 1 S.A. Androne, 2 J. LaManca, 1 S.P. Pinney, 1 A. Christian, 1 L. Lund, 1 S.D. Katz, 2 Medicine, Columbia University, New York, NY; 1Medicine, Yale University, New Haven, CT

2:15 pm (34) Obesity and Advanced Heart Failure: The Differential Impact of Body Weight on B-Type Natriuretic Peptide and Proinflammatory Cytokine Expression
M.R. Mehra, 1 P.A. Uber, 1 P.F. Nasca, 1 M.H. Park, 1 J.R. Becker, 1 M.E. Keebler, 1 R.L. Scott, 1 Cardiomyopathy and Heart Transplantation Ctr, Ochsner Clinic Foundation, New Orleans, LA

2:30 pm (35) N-Terminal Brain Natriuretic Peptide: The New Gold Standard in Predicting Mortality in Patients with Advanced Heart Failure
R.S. Gardner, 1 F. Ozalp, 1 A.J. Murday, 1 S.D. Robb, 2 T.A. McDonagh, 2 Scottish Cardiopulmonary Transplant Unit, Glasgow Royal Infirmary, Glasgow, United Kingdom; 2Department of Cardiology, University of Glasgow, Glasgow, United Kingdom
2:45 pm (36) Interleukin-6 Is the Most Potent Predictor for Worsening of Heart Failure in Patients with Congestive Heart Failure
M. Gwechenberger, M. Huelsmann, R. Berger, Ch. Springer, B. Stanek, R. Pacher, Department of Cardiology, University of Vienna, Vienna, Austria

3:00 pm (37) Chronotropic Reserve Beyond Anerobic Threshold (CR\textsubscript{An}) Predicts Survival in Advanced Heart Failure

3:15 pm (38) Sublingual Sildenafil and Reversibility of Pulmonary Hypertension in Candidates to Heart Transplant

2:00 pm-3:30 pm
CONCURRENT SESSION 7

Donor Management 1: Strategies to Increase Donor Utilization (Prince Eugen Saal)

Chairs: Alec Patterson, MD and Walter Weder, MD

2:00 pm (39) Screening Potential Donors for Living Donor Lobar Lung Transplantation
F.A. Schenkel, M.V. Horn, M.S. Woo, M.L. Barr, V.A. Starnes, Cardiothoracic Surgery, Keck-USC School of Medicine, Los Angeles, CA; Cardiothoracic Surgery, Childrens Hospital Los Angeles, Los Angeles, CA

2:15 pm (40) Ten Year Experience with Human Lung Transplantation from Non-Heart Beating Donors
R.B. Love, A.M. D'Allesandro, R.A. Cornwell, K.M. Meyer, Surgery, University of Wisconsin, Madison, WI; Medicine, University of Wisconsin, Madison, WI

2:30 pm (41) Outcome of Heart Transplantation Using Refurbished Allografts
J. Odim, C. Gleason, B. Zaia, D. Mulder, J. Kobashigawa, A. Alikhani, H. Laks, UCLA Heart/Lung Transplant Team, David Geffen School of Medicine at UCLA, Los Angeles, CA

2:45 pm (42) Lung Transplantation with Donors 60 Years of Age and Older
A. Patterson, M. de Perrot, T.K. Waddell, Y. Shargall, P. D'Ovidio, A. Pierre, S. Keshavjee, Toronto Lung Transplant Program, University of Toronto, Toronto, ON, Canada

3:00 pm (43) Increased Thoracic Organ Utilization Using an Advanced Practice Organ Procurement Coordinator
W.D. Babcock, R.L. Menza, A.R. Richardson, D.A. Kinder, E.W. Osborne, P. Weber, Department of Clinical Services, California Transplant Donor Network, Oakland, CA

3:15 pm (44) Donor Designation on the Driver's License: Friend or Foe?
A.G. Kfoury, K.A. Myer, J.R. Stanzione, G. Tribble, J.D. Bergin, The Heart Center, University of Virginia Health System, Charlottesville, VA; LifeNet, Richmond, VA

2:00 pm-3:30 pm
CONCURRENT SESSION 8

Basic Science and Immunobiology 2: From Pigs to People (Gartensaal)

Chairs: Michael Schmoeckel, MD and Andre R. Simon, MD

2:00 pm (45) En-Bloc Vascularized Thymus and Heart Transplantation in Miniature Swine

2:15 pm (46) Vascularized Thymic Lobe Transplantation: Experience with an Allogeneic and Xenogeneic Large Animal Model of Transplantation
P.A. Vagafi, S. Yamamoto, C. Kamano, H. Arakawa, K. Teranishi, D.H. Sachs, K. Yamada, Department of Surgery, Transplantation Biology Research Center, Massachusetts General Hospital/Harvard Medical School, Boston, MA

2:30 pm (47) Advances in Preclinical Cardiac Xenotransplantation
2:45 pm (48) Natural Killer Cell-Derived Cytokines are Central in Monocyte Infiltration and Rejection of Porcine Xenografts
S. Itescu,1 P. Kwiatkowski,2 J.H. Artrip,1 R.E. Michler,2 1Division of Cardiothoracic Surgery, Columbia University, New York, NY; 2Department of Surgery, Ohio State University, Columbus, OH

3:00 pm (49) Gene Expression in Cardiac and Lung Xenografts
T.K. Waddell,1 T. Tabata,1 D. Wigle,1 M. Liu,1 S.H. Keshavjee,1 G.P. Downey,2 1Thoracic Surgery, Toronto General Hospital, Toronto, ON, Canada; 2Respiratory Medicine, Toronto General Hospital, Toronto, ON, Canada

3:15 pm (50) Inhibition of Human Nk Cell Mediated Cytotoxicity to Pig Endothelial Cells by over Expression of Human ECTO-5'-Nucleotidase
F.N. Osborne,1 C. Lawson,1 M.H. Yacoub,1 K.K. Kalsi,1 R.T. Smolenski,1 M.L. Rose,1 1National Heart and Lung Institute, Harefield Hospital, Harefield, Middlesex, United Kingdom

3:30 pm-4:00 pm
Coffee Break/Visit Exhibits/Visit Posters

4:00 pm-5:30 pm
CONCURRENT SESSION 9
Clinical Heart Transplantation 2: Cardiac Rejection: Diagnostics and Outcomes (Festsaal)
Chairs: John S. Dunning, FRCS and Valluvan Jeevanandam, MD

4:00 pm (51) Presence of Donor-Derived DNA in the Plasma of Sex-Mismatched Cardiac Transplant Recipients: A Potential Novel Strategy for Monitoring Graft Rejection
K.S. Woo,1 L. Chan,1 P.N. Ruygrok,2 J.J. Edmond,2 E. Chau,3 Y.M.D. Lo,1 1Cardiology, The Chinese University, Hong Kong, Hong Kong, China; 2Cardiology, Green Lane Hospital, Auckland, Auckland, New Zealand; 3Cardiology, Grantham Hospital, Hong Kong, Hong Kong, China

4:15 pm (52) Non-Invasive Screening by Tissue Doppler for Late Post-Transplant Cardiac Rejection Surveillance
M. Dandel,1 H.B. Lehmkuhl,1 M. Hummel,1 R. Meyer,1 R. Hetzer,1 1Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Berlin, Germany

4:30 pm (53) Rejection with Hemodynamic Compromise: A Dismal Prognosis
R. Lee,2 R.N. Brown, N. Moazami, J. Young, B. Clemson, J. Hill, B. Czerska, J. O'Donnell, E. Kasper, J.K. Kirklin, for the Cardiac Transplant Research Database(CTRD), 1CTRD, University of Alabama at Birmingham, Birmingham, AL; 2Roche Young Investigator’s Award

4:45 pm (54) Magnetic Resonance Measurements of Coronary Flow Reserve: Relationship to Coronary Angiographic Findings
K. Kennedy,1 A. Dick,2 A. Raval,3 M. Drangova,3 C. Mahoney,1 W.J. Kostuk,2 P.W. Pflugfelder,2 1Department of Radiology, LHSC University Campus, London, ON, Canada; 2Division of Cardiology, LHSC University Campus, London, ON, Canada; 3Robarts Research Institute, London, ON, Canada

5:00 pm (55) The Impact of a Positive Donor-Specific Crossmatch on Outcome after Heart Transplantation
S.S. Schmitz,1 S.A. Moore,1 T.C. Fuller,1 J.W. Long,1 M.E. Hagan,1 S.M. Belleville,1 B.K. Campbell,1 J.W. Folsom,2 E.M. Gilbert,1 D.G. Renlund,1 1UTHArd Transplant Program, University of Utah School of Medicine, LDS Hospital, and the Veterans Affairs Medical Center, Salt Lake City, UT

5:15 pm (56) Efficacy and Safety of Tacrolimus (TAC) Vs. Cyclosporine Microemulsion (CME) in De Novo Cardiac Transplant Recipients: 6-Month Results
M. Grimm,1 M. Rinaldi,2 N.A. Yonan,3 the European Tacrolimus Heart Study Group, 1Department of Cardiothoracic Surgery, Allgemeines Krankenhaus Wien, Vienna, Austria; 2Cardiac Surgery Division, Ospedale Policlinico San Matteo, Pavia, Italy; 3Cardiac Transplantation Unit, Wythenshawe Hospital, Manchester, United Kingdom

4:00 pm-5:30 pm
CONCURRENT SESSION 10
Lung/Heart-Lung Transplantation 2: Outcomes in Lung Transplantation (Zeremoniensaal)
Chairs: Selim M. Arcasoy, MD and Andreas Zuckermann, MD

4:00 pm (57) Double Lung Transplantation Does Not Confer a Survival Advantage over Single Lung Transplantation in COPD
4:15 pm (58) Effect of Transplant Operation on Survival after Development of Bronchiolitis Obliterans Syndrome (BOS) in Patients with Chronic Obstructive Pulmonary Disease (COPD) and Idiopathic Pulmonary Fibrosis (IPF)

D. Hadjiladis, 1 C. Chaparro, 1 R.H. Messier, 1 C. Gutierrez, 1 T.K. Waddell, 1 M.P. Steele, 2 L.G. Singer, 1 R.D. Davis, 3 M.A. Hutcheon, 3 S.M. Palmer, 2 S. Keshavjee, 1 Toronto Lung Transplant Program, University of Toronto, Toronto, ON, Canada; 2Duke Lung Transplant Program, Duke University, Durham, NC

4:30 pm (59) Survival Benefit of Lung Transplantation in Cystic Fibrosis Patients Infected with B. Cepacia

C.A. Gutierrez, 1, 5 A. Dupuis, 2, 5 C. Chaparro, 1, 5 E. Tullis, 3, 5 L. Singer, 1, 5 T.K. Waddell, 1, 5 M. Hutcheon, 1, 5 S. Keshavjee, 1, 5 M. Corey, 5 1Medicine, Toronto Lung Transplant Program, Toronto General Hospital, Canada; 2Medicine, Hospital for Sick Children, Canada; 3Medicine, Adult CF Program, St Michael’s Hospital, Canada; 4Surgery, Toronto Lung Transplant Program, Toronto General Hospital, Canada; 5University of Toronto, Toronto, ON, Canada

5:15 pm (62) Long-Term Functional Outcome after Living-Donor Lung Transplantation in Adults

M.E. Bowdish, 1 R. Pessotto, 1 F.A. Schenkel, 1 C.J. Baker, 1 R.G. Barbers, 2 R.M. Bremer, 1 R.G. Cohen, 1 V.A. Starnes, 1 M.L. Barr, 1 Department of Cardiothoracic Surgery, University of Southern California, Los Angeles, CA; 2Department of Medicine, University of Southern California, Los Angeles, CA

5:00 pm (61) Predicting Death Following Lung Transplantation: Development of a Prognostic Model


4:45 pm (60) Functional Outcomes of Lobar and Double Lung Transplant Recipients

J.S. Rodrigues, 1 Biokinesiology and Physical Therapy, University of Southern California, Los Angeles, CA

4:00 pm-5:30 pm
CONCURRENT SESSION 11
Immunosuppression 1: Novel Effects of Immunosuppression in Experimental Models (Prince Eugen Saal)
Chairs: Joren C. Madsen, MD, PhD and Hermann Reichenspurner, MD, PhD

4:00 pm (63) A Novel Selective Inhibitor of JNK Suppresses Alloreactivity and Prolongs Cardiac Allograft Survival

M. Morikawa, 1 A. Tabata, 1 Y. Satoh, 2 B.L. Bennett, 2 T. Abe, 1 Thoracic and Cardiovascular Surgery, Sapporo Medical University School of Medicine, Sapporo, Hokkaido, Japan; 2Signal Research Division, Celgene Corporation, San Diego, CA

4:15 pm (64) FK 778, A Novel Immunosuppressive Agent Reduces Early Adhesion Molecule Upregulation after Cardiac Transplantation

T. Deuse, 1 S. Schreper, 1 C. Detter, 1 F. Wagner, 1 C. Pahrmann, 1 D. Boehm, 1 H. Reichenspurner, 1 Department of Cardiovascular Surgery, University Hamburg-Eppendorf, Hamburg, Germany

4:30 pm (65) Reduction of Pecam-1 at Graft Endothelium after Cardiac Transplantation is Accompanied by the Reduction of Leukocyte Infiltration into the Perivascular Space of Arteries. A Comparative Study with CsA, FK506 and MMF

M.H.C. Richter, 1 K. Kafchitsas, 2 H.R. Richter, 2 J.F. Gummert, 1 F.W. Mohr, 1 Cardiac Surgery, Heartcenter, Leipzig, Germany; 2Experimental Heart Transplant Group, University of Frankfurt, Frankfurt, Germany

4:45 pm (66) Different Cyclosporine Regimens and Their Influences on Transplant Vasculopathy

M.H.C. Richter, 1/2 D. Schramm, 2 H.R. Richter, 2 Cardiac Surgery, Heartcenter, Leipzig, Germany; 2Experimental Heart Transplant Group, Goethe-University, Frankfurt, Germany

5:00 pm (67) Effects of FK506 Inhalant on the Suppression of Acute Rejection in Lung Transplantation: Use of Rat Orthotopic Lung Transplantation Model

A. Ingu, 1 K. Komatsu, 1 M. Morikawa, 1 T. Abe, 1 S. Ichimiya, 2 Y. Hirayama, 3 Thoracic and Cardiovascular Surgery, Sapporo Medical University School of Medicine, Sapporo, Hokkaido, Japan; 2Pathology, Sapporo Medical University School of Medicine, Sapporo, Hokkaido, Japan; 3Immunology and Inflammation Medical Biology Reserch Laboratories, Kashima Institution, Osaka, Osaka, Japan

5:15 pm (68) Tacrolimus: In Vitro Effects on Neutrophil Production and Apoptosis

4:00 pm-5:30 pm
CONCURRENT SESSION 12
Pathology 1: Heart and Lung Transplantation (Gartensaal)
Chairs: Annalisa Angelini, MD and Martin Goddard, FRCS

4:00 pm (69) Inter-Reader and Intra-Reader Agreement for Grading Acute Rejection and Airway Inflammation after Lung Transplantation, Based on the Lung Rejection Study Group Revised Working Formulation
F. Fernandez, M.M. Chakinala, J. Ritter, B.F. Gage, A.A. Aloush, E.P. Trulock, Internal Medicine, Washington University School of Medicine, Saint Louis, MO; Pathology, Washington University School of Medicine, Saint Louis, MO

4:15 pm (70) Inter-Observer Variability in Grading Acute Rejection in Endomyocardial Biopsies
G.B.M. Lindop, M.M. Burke, S. Ogston, P. Bishop, C. Corbishley, M. Goddard, R. Harrison, C. Kjellstrom, A. McPhadden, M. Malone, D. Paruns, K. Suvana, S. Stewart, UK Heart Lung Transplant Pathology Group, Papworth Hospital, Cambridge, United Kingdom

4:30 pm (71) Apoptotic Death of Infiltrating Cells in Human Cardiac Allografts Is Regulated by IL-2
H.A. de Grohot-Kruseman, C.C. Baan, P.E. Zondervan, de Weger, A.H. Balk, W. Weimar, Internal Medicine, Erasmus MC, Rotterdam, Netherlands; Pathology; Pathology, (University Medical Center Utrecht); Cardiology, Rotterdam, Netherlands

4:45 pm (72) Detection of Cardiac Allograft Rejection by Multi-Parameter Gene Expression Analysis on Circulating Mononuclear Cells Using Real-Time RT-PCR
M. Schoels, T.J. Dengler, R. Klingenberg, R. Richter, T. Giese, S.C. Meuer, Immunology, University of Heidelberg, Heidelberg, Germany; Cardiology, University of Heidelberg, Heidelberg, Germany

5:00 pm (73) Distribution of Collagen Subtypes and Matrix Metalloproteinases in Coronary Artery Vasculopathy
C. Atkinson, R. Pitman, C.J. Phillpotts, S.C. Charman, J. Wallwork, M. Goddard, Pathology Department, Papworth NHS Trust Hospital, Cambridge, Cambridgeshire, United Kingdom; Faculty of Applied Sciences, University of the West of England, Bristol, Bristol, United Kingdom

5:15 pm (74) Elevated Levels of the CXCR3 Chemokine Ligand Itac Is Associated with the Development of Severe Transplant Coronary Artery Disease in Humans
J. Kao, M.C. Fishbein, J.A. Kobashigawa, J.K. Patel, R.C. McEllan, M. Burdick, J. Belperio, R.M. Strieter, Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; Pathology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; Pulmonary, The David Geffen School of Medicine at UCLA, Los Angeles, CA

5:30 pm-6:30 pm
ISHLT Registry Meeting (Festsaal)
Heart Failure and Transplant Medicine Scientific Council Meeting (Zeremoniensaal)
Pathology and Basic Science Scientific Council Meeting (Gartensaal)
Pulmonary Hypertension Scientific Council Meeting (Prince Eugen Saal)
Cell Transplantation/Tissue Engineering Scientific Council Meeting (Radetzky Appt II)

5:30 pm-6:30 pm
GENERAL POSTER SESSION I/Wine and Cheese Reception (Gardehalle I)
(Please see page ??? of this program booklet for the list of Poster Session I abstract titles and authors – Abstracts 75 – 204)

6:30 pm-7:30 pm
Poster Display Session 1 Tear-Down (Gardehalle I)

7:30 pm-10:00 pm
President's Gala Reception (City Hall)

FRIDAY, APRIL 11, 2003

7:00 am-5:30 pm
Speaker Ready Room Open (Kunstlerzimmer)

7:30 am-8:30 am
Morning Coffee (Exhibit Halls)

7:30 am-10:00 am
Poster Display Session 2 Set-Up (Gardehalle I)
7:30 am-5:00 pm
Registration Desk Open (Halle)

7:30 pm-6:30 pm
Exhibits Open (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal, Wintergarten)

8:00 am-10:00 am
PLENARY SESSION: JOINT ISHLT/HFSA/ESC WORKING GROUP ON HEART FAILURE SYMPOSIUM (Festsaal)
Chairs: Stephan Schueler, MD, Helmut Drexler, MD, Marvin A. Konstam, MD

8:00 am Epidemiology
John J. Cleland, MD, University of Hull, Kingston-upon-Hull, United Kingdom, on behalf of the European Society for Cardiology Working Group on Heart Failure

8:20 am Novel Diagnostics
Martin R. Cowie, MD, Imperial College, London, United Kingdom, on behalf of the European Society for Cardiology Working Group on Heart Failure

8:40 am Systolic and Diastolic Dysfunction? Time for a New Paradigm
Marvin Konstam, MD, New England Med Center, Boston, MA, on behalf of the Heart Failure Society of America

9:00 am Cellular Signaling Pathways as Drug Targets
Thomas L. Force, MD, Tufts University, Boston, MA, on behalf of the Heart Failure Society of America

9:20 am Ventricular Remodeling Surgery
Nicholas G. Smedira, MD, Cleveland Clinic Foundation, Cleveland, OH, on behalf of ISHLT

9:40 am Cellular Therapies
Philippe Menasche, MD, PhD, Hopital Bichat, Paris, France, on behalf of ISHLT

10:00 am-10:30 am
Coffee Break/Visit Exhibits/Visit Posters

10:30 am-Noon
CONCURRENT SESSION 13
Clinical Heart Transplantation 3: Clinical Immunosuppressive Strategies (Festsaal)
Chairs: Francis D. Pagani, MD, PhD and Yoshifumi Naka, MD, PhD

10:30 am (205) Prograf Decreases Plasma Cholesterol in Heart Transplant Recipients with Treated but Persisting Mild Dyslipidemia: The Canadian Multicenter Randomized Trial of Prograf Versus Neoral
Michel White, on Behalf of the Canadian Heart Transplant Group, Research Center, Montreal Heart Institute, Montreal, QC, Canada

10:45 am (206) Everolimus Dose Recommendations in De Novo Heart Transplantation - TDM Simulations
R.C. Starling, J. Hare, D. Renlund, D. Mancini, H.W. Mayer, H. Schmidli, Transplant Unit, Cleveland Clinic Foundation, Cleveland, OH; Transplant Unit, Johns Hopkins, Baltimore, MD; Transplant Unit, Utah Transplant Affiliated Hospitals, Salt Lake City, UT; Transplant Unit, Columbia Presbyterian Medical Center, New York, NY; BU Transplantation, Novartis Pharma, Basel, Switzerland

11:00 am (207) Everolimus in De Novo Cardiac Transplant Recipients: 24-Month Follow-Up
A. Haverich, E.M. Tuzcu, M. Viganò, L. Pulpon, R.B. Love, R. Dorem, H.J. Eisen, J. Murphy, K.H. Abeywickrama, P. Bernhardt, the RADB 253Study Group, Med Hochschule, Thoraxchir., Hannover, Germany; Cleveland Clinic Foundation, Department Cardiol, Cleveland, OH; Policlinico San Matteo, IRCCS, Pavia, Italy; Clinica Puerta de Hierro, Cardiology, Madrid, Spain; University of Wisconsin, Cardiothor.Division., Madison, WI; Hospital Pitie Salpetriere, Service Chir., Paris, France; Temple University, Cardiology Sect., Philadelphia, PA; Novartis Pharma AG, BU Transplantation, Basel, Switzerland

11:15 am (208) Study of the Safety and Tolerability of Simulect (Basiliximab) Versus OKT3 in Heart Transplantation

11:30 am (209) The Impact of Pharmacogenomic Factors on Steroid Weaning in Pediatric Heart Transplant Patients Using Logistic Regression Analysis
11:45 am (210) Everolimus Is Associated with a Reduced Incidence of CMV Infection in Heart Transplantation
R. Dorent, H. Valantine, J. Parameshwar, J. Hill, N. Cretin, Cardiovascular Surgery, Hopital La Pitie Salpetriere, Paris, France; Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA; Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; Cardiovascular Center, Shands Hospital Health Science Center, Gainesville, FL; Pharma, Novartis Pharma AG, Basel, Switzerland

10:30 am-Noon
CONCURRENT SESSION 14
Donor Management 2: Donor Organ Preservation (Zeremoniensaal)
Chairs: James K. Kirklin, MD and Daniel Y. Loisance, MD

10:00 am (213) The Role of Poly(ADP)Ribose Synthetase in Lung Ischemia-Reperfusion Injury
S.M. Woolley,1 B.V. Naidu,1 A.S. Farivar,1 A.L. Salzman,2 C. Szabo,2 M.S. Mulligan,1 Cardiothoracic Surgery, University of Washington, Seattle, WA; 2Inotek Corporation, Beverly, MA

11:45 am (216) Hearts Transfected with Inducible Nitric Oxide Synthase Have Accelerated Restoration of Cardiac Function Following Ischemia/Reperfusion Associated with Cardiac Transplantation
L.L. Shears,1 S. Kanno,1 T.R. Billiar,1 R. Mahidara,1 K.R. McCurry,1 R.L. Kormos,1 Cardiothoracic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA

10:30 am-Noon
CONCURRENT SESSION 15
Pediatrics 1: Thoracic Transplant Outcomes (Prince Eugen Saal)
Chairs: Albert Faro, MD and Robert Shaddy, MD

10:00 am (217) Lung Transplantation in Infancy
E.N. Mendeloff,1 S.C. Sweet,2 M.T. de la Morena,2 P.M. Schuler,2 T.J. Guthrie,1 C.B. Huddleston,1 Surgery/Pediatric Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO; 2Pediatric Allergy and Pulmonary Medicine, Washington University, St. Louis, MO

11:00 am (219) Long-Term Neuropsychological Sequelae of Infant Cardiac Transplant Recipients: Trends and Predictors of Outcome
T. Babikian,1 M.C. Freier,2 T.R. Burley Aaen,1 J. Pivonka,1 J.M. Gardner,1 M. Baum,2 L.L. Bailey,1 R.E. Chinnock,2 Psychology, Loma Linda University; 2Pediatrics; 3Surgery, Loma Linda University Medical Center, Loma Linda, CA

10:45 am (212) Exogenous Surfactant Instillation in Lung Donors to Reduce Early Graft Dysfunction
M. Streeber,1 J. Niedermeyer,2 G. Warnecke,1 B. Gohrbandt,1 S. Fischer,1 B. Lindenberger,1 A.R. Simon,1 A. Haverich,1 J.M. Hohlfeld,2 T&CV Surgery, Hannover Medical School, Hannover, Germany; 2Respiratory Medicine, Hannover Medical School, Hannover, Germany

11:00 am (211) Hormonal Therapy Stabilizes Hemodynamics during Donor Procurement
A.B. Van Bakel,1 S. Pitzer,2 P. Drake,2 N.A. Kay,2 R. Sade,2 Medicine/Cardiology, Medical University of South Carolina, Charleston, SC; 2LifePoint, Inc, Charleston, SC

11:00 am (215) Poly-ADP-Ribose Polymerase-Inhibition Protects Against Myocardial and Endothelial Reperfusion Injury after Heart Transplantation
G. Szabo,1 N. Stumpf,1 S. Baehrle,1 S. Hagle,1 Cardiac Surgery, University of Heidelberg, Heidelberg, BW, Germany

10:30 am (214) Effects of P38 Mitogen-Activated Protein Kinase Inhibitor as an Additive to Celsior Solution on Canine Heart Transplantation from Non-Heart-Beating Donors
N. Koike,1 I. Takeyoshi,1 S. Ohki,1 M. Tokumine,1 K. Matsumoto,2 Y. Morishita,1 Second Department of Surgery, Gunma University Faculty of Medicine, Maebashi, Gunma, Japan; 2Department of Pathology, Nippon Medical School Second Hospital, Kawasaki, Kanagawa, Japan

11:00 am (210) Everolimus Is Associated with a Reduced Incidence of CMV Infection in Heart Transplantation
R. Dorent, H. Valantine, J. Parameshwar, J. Hill, N. Cretin, Cardiovascular Surgery, Hopital La Pitie Salpetriere, Paris, France; Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA; Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; Cardiovascular Center, Shands Hospital Health Science Center, Gainesville, FL; Pharma, Novartis Pharma AG, Basel, Switzerland

10:30 am-Noon
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S.M. Woolley,1 B.V. Naidu,1 A.S. Farivar,1 A.L. Salzman,2 C. Szabo,2 M.S. Mulligan,1 Cardiothoracic Surgery, University of Washington, Seattle, WA; 2Inotek Corporation, Beverly, MA

11:45 am (216) Hearts Transfected with Inducible Nitric Oxide Synthase Have Accelerated Restoration of Cardiac Function Following Ischemia/Reperfusion Associated with Cardiac Transplantation
L.L. Shears,1 S. Kanno,1 T.R. Billiar,1 R. Mahidara,1 K.R. McCurry,1 R.L. Kormos,1 Cardiothoracic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA

10:30 am-Noon
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11:00 am (219) Long-Term Neuropsychological Sequelae of Infant Cardiac Transplant Recipients: Trends and Predictors of Outcome
T. Babikian,1 M.C. Freier,2 T.R. Burley Aaen,1 J. Pivonka,1 J.M. Gardner,1 M. Baum,2 L.L. Bailey,1 R.E. Chinnock,2 Psychology, Loma Linda University; 2Pediatrics; 3Surgery, Loma Linda University Medical Center, Loma Linda, CA
11:15 am (220) A Longitudinal Perspective on Neurodevelopmental Outcome Following Infant Cardiac Transplantation
M.C. Freier,1,2 J. Pivonka,1 J.M. Gardner,1 T. Babikian,1 T.R. Burley Aaen,1 M. Baum,2 L.L. Bailey,2 R.E. Chinnock,2
1Psychology, Loma Linda University; 2Pediatrics, Loma Linda University Medical Center, Loma Linda, CA

11:30 am (221) The Effect of Oversizing Cardiac Allografts on Survival in Pediatric Patients with Congenital Heart Disease
A.J. Razzouk,1 J.K. Johnston,1 R.L. Larsen,1 R.E. Chinnock,1 L.L. Bailey,1 Cardiothoracic Surgery and Pediatrics, Loma Linda University Children’s Hospital & Medical Center, Loma Linda, CA

11:45 am (222) Single Center Comparison of Pediatric Living Donor Lobar and Cadaveric Lung Transplant
S.C. Sweet,1 M.T. de la Morena,1 P.M. Schuler,2 G.A. Patterson,1 B.F. Meyers,2 D. Schuller,3 C.B. Huddleston,2 E.N. Mendeloff,2 Pediatric Allergy and Pulmonary Medicine, Washington University, St. Louis, MO; 3Cardiothoracic Surgery, Medical College of Virginia, Richmond, VA; 4Cardiothoracic Surgery, Jackson Memorial Medical Center, Miami, FL

10:30 am-Noon (Gartensaal)
CONCURRENT SESSION 16
Nursing/Social Science/Health Economics 1: Calculating the Risks Pre- and Post-Heart and Lung Transplantation
Chairs: Sabina M. DeGeest, RN, PhD, NFESC and Carol Twomey, CRNP

10:30 am (223) Should We Transplant UNOS Status 2 Patients?
J. Jimenez,1 L. Bennett Edwards,2 R. Higgins,3 S. Pham,1 J. Bauerlein,1 S. Mallon,1 Cardiology, Jackson Memorial Medical Center, Miami, FL; 2United Network Organ Sharing, Richmond, VA; 3Cardiothoracic Surgery, Medical College of Virginia, Richmond, VA; 4Cardiothoracic Surgery, Jackson Memorial Medical Center, Miami, FL

10:45 am (224) Time-Dependent Mortality Risk of Lung Transplantation Compared with Remaining on the Waitlist
K.P. McCullough,1 R. Bustami,1 S. Murray,1,2 T.M. Egan,3 R.M. Merion,1,2 SRTR, URREA, Ann Arbor, MI; 3Department Surgery, University of Michigan, Ann Arbor, MI; 4Department Surgery, University of North Carolina, Chapel Hill, NC

11:00 am (225) Risk Factors for Death after Lung Transplant in the US
T. Egan,1 K. McCullough,2 S. Murray,2 R. Bustami,2 R. Merion,2 E. Garrity,3 F. Grover,4 W. Ring,5 R. Robbins,6 E. Trulock,7 D. Wood,8 L. Edwards,9 University of North Carolina, Chapel Hill, NC; 2SRTR/URREA, Ann Arbor, MI; 3Loyola University, Maywood, IL; 4University of Colorado, Denver, CO; 5University of Texas Southwestern, Dallas, TX; 6Stanford University, Palo Alto, CA; 7Washington University, St. Louis, MO; 8University of Washington, Seattle, WA; 9UNOS, Richmond, VA

11:15 am (226) Predictors of Death on the UNOS Lung Transplant Waiting List
T. Egan,1 K. McCullough,2 S. Murray,2 R. Bastrami,2 R. Merion,2 E. Garrity,3 F. Grover,4 W. Ring,5 R. Robbins,6 E. Trulock,7 D. Wood,8 L. Edwards,9 UNC, NC; 2SRTR-URREA, MI; 3Loyola, IL; 4University of Colorado, Denver, CO; 5University of Texas Southwestern, Dallas, TX; 6Stanford University, Palo Alto, CA; 7Washington University, St. Louis, MO; 8University of Washington, Seattle, WA; 9UNOS, Richmond, VA

11:30 am (227) Time-Dependent Mortality Risk of Heart Transplantation Compared with Remaining on the Waitlist
R.M. Merion,1,2 K.P. McCullough,2 S. Murray,1,2 R. Bustami,2 F.L. Grover,3 Department Surgery, University of Michigan, Ann Arbor, MI; 2SRTR, URREA, Ann Arbor, MI; 3Department Surgery, University of Colorado, Denver, CO

11:45 am (228) Medication Noncompliance > 1 Year after Heart Transplantation Predicts Posttransplant Outcome: A 5 Years Follow-Up Survival Analysis Study
F. Dobbels,1,3 S. De Geest,1,2 W. Drooghe,3 J. Van Cleemput,1 J. Vanhaecke,1 Center for Health Services and Nursing Research, Katholieke Universiteit Leuven, Leuven, Belgium; 2Institute of Nursing Science, University of Basel, Basel, Switzerland; 3Department of Cardiology, Katholieke Universiteit Leuven, Leuven, Belgium

Noon-12:15 pm
ANNUAL BUSINESS MEETING (Members only) (Zeremoniensaal)

12:15 pm-1:45 pm
Roche Lunch Symposium: New Perspectives on Cytomegalovirus in Heart and Lung Transplantation (Festsaal)
Chair: Jay A. Fishman, MD

12:15 pm Opening Remarks and Overview
Jay A. Fishman, MD, Massachusetts General Hospital, Boston, MA

12:25 pm Current Treatment and Prevention Options for CMV Infection in Lung Transplantation
R Duane Davis, MD, Duke University, Durham, NC

12:45 pm Pathophysiology and Role of CMV in Cardiac Allograft Vasculopathy
Hannah A. Valentine, MD, Stanford University School of Medicine, Stanford, CA
1:05 pm ValGanciclovir vs Oral Ganciclovir as a Preventive Strategy for CMV Infection in Heart, Liver, and Renal Transplantation
Jay A. Fishman, MD, Massachusetts General Hospital, Boston, MA
1:25 pm Discussion

12:15 pm-2:00 pm
ISHLT Board of Directors Meeting (Radetzky Appt II)

2:00 pm-3:30 pm
CONCURRENT SESSION 17
Mechanical Circulatory Support 2: Clinical Challenges in Mechanical Support (Festsaal)
Chairs: Robert C. Robbins, MD and TBD

2:00 pm (229) Total Artificial Heart Bridge to Transplantation: A 9 Year Experience in 61 Patients
J.G. Copeland,1 R.G. Smith,1 F.A. Arabia,1 P.E. Nolan,1 D. McClellan,1 P. Tsau,1 G.K. Sethi,1 R.K. Bose,1 M.E. Banchy,1 M.J. Slepian,2 Surgery, University of Arizona, Tucson, AZ; 2Cardiology, University of Arizona, Tucson, AZ

2:15 pm (230) Heart Failure Demands More Biventricular Mechanical Circulatory Support
J.S. Sapirstein,1 L.L. Shears,1 K.R. McCurry,1 L.J. Carozza,1 E.A. Stanford,1 S. Winowich,1 S. Murali,2 R.L. Kormos,1
1Department of Surgery, University of Pittsburgh, Pittsburgh, PA; 2Department of Medicine, University of Pittsburgh, Pittsburgh, PA

2:30 pm (231) Emergent Mechanical Support in the Community: Improvement with Early Transplant Center Referral
R.J. Morris,1 A. Pochettino,1 M. O’Hara,1 T.J. Gardner,1 M.A. Acker,1 Division of Cardiothoracic Surgery, University of Pennsylvania, Philadelphia, PA

2:45 pm (232) Cardiac Transplantation without Prospective Crossmatch in HLA-Sensitized Ventricular Assist Device Patients
S.W. Etoch,1,3 A.S. Ghaly,1 R.D. Dowling,2,3 D. Pidwell,2 G. Bhat,2,3 Surgery, Division of Cardiothoracic Surgery, University of Louisville, Louisville, KY; 2Medicine, Division of Cardiology, University of Louisville, Louisville, KY; 3Jewish Hospital, Louisville, KY

3:00 pm (233) Inhaled Milrinone and Prostacyclin for Ventricular Assist Device Recipients: Effectiveness and Cost
S.W. Etoch,1 A.S. Ghaly,1 D. Barber,1 K. Thielmeier,1 M. Bouvette,1 R.D. Dowling,1 Surgery, Division of Cardiothoracic Surgery, University of Louisville, Louisville, KY

K.D. Aaronson,1 A.H. Wu,1 T.M. Koelling,1 H.J. Patel,1 S.M. Wright,1 J.T. Fallon,1 D.B. Dyke,1 F.D. Pagani,1 Division of Cardiology and Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI

3:30 pm-3:30 pm
CONCURRENT SESSION 18
Immunosuppression 2: Better Immunosuppression with Fewer Complications (Zeremoniensaal)
Chairs: James S. Allan, MD and Bruno M. Meiser, MD

2:00 pm (235) Effects of Differing Calcineurin Based Immune Therapies on Homocysteine Levels in Cardiac Transplant Patients
L.M. Fedoruk,1 L. Ding,2 R.C. Cook,1 L. Straatman,2 Department of Cardiac Surgery, University of British Columbia, Vancouver, BC, Canada; 2Department of Cardiology, St. Paul’s Hospital, University of British Columbia, Vancouver, BC, Canada

2:15 pm (236) Tacrolimus in Heart Transplantation: Monotherapy Vs. Steroid Requiring Patients
L.D. Galin,1 D.A. Baran,1 R. Correa,1 M.C. Courtney,1 M. Chan,1 D. Spielvogel,1 S.L. Lansman,1 J.T. Fallon,1 A.L. Gass,1 Zena and Michael A. Wiener Cardiovascular Institute, The Mount Sinai Hospital, New York, NY

2:30 pm (237) Calcineurin-Inhibitor-Free Immunosuppression with Mycophenolatmofetil and Sirolimus after Cardiac Transplantation Is Safe and Improves Renal Function Significantly
J. Groezinger,1 I. Kaczmarek,1 L. Buehse,1 M. Muller,1 P. Landwehr,1 M. Vogeser,2 B. Meiser,1 B. Reichart,1 Cardiac Surgery, Ludwig Maximilians University Hospital Grosshadern, Munich, Germany; 2Institute for Clinical Chemistry, LMU Hospital Grosshadern, Munich, Germany
2:45 pm (238) A Retrospective Analysis of 2 Years Experience Using Basiliximab (BMAB) in High Risk Lung Transplant Recipients(LTR) at a Single Institution
B.J. Levee, 1 H.M. Whitford, 1 T.J. McWilliams, 1 T.C. Kotsimbos, 1 G.I. Snell, 1 T.J. Williams, 1 Respiratory Medicine, The Alfred, Melbourne, Australia

3:00 pm (239) The Risk of Bronchiolitis Obliterans Syndrome Is Reduced in Lung Transplant Patients Who Receive Mycophenolate Mofetil Based Immunosuppression
J.M. Dunitz, 1 M.I. Hertz, 2 S.K. Savik, 2 S.J. Park, 2 1Department of Medicine, University of Minnesota, Minneapolis, MN; 2Department of Nursing, University of Minnesota, Minneapolis, MN; 3Department of Thoracic Surgery, University of Minnesota, Minneapolis, MN

3:15 pm (240) The Tolerability and Efficacy of Total Lymphoid Irradiation (TLI) in the Control of Rapidly Progressive Bronchiolitis Obliterans Syndrome
A.J. Fisher, 1 J.M. Bozzino, 2 R.M. Rutherford, 1 G. Parry, 1 J.H. Dark, 1 P.A. Corris, 1 Cardiopulmonary Transplantation, Freeman Hospital; 2Northern Centre for Cancer Treatment, University of Newcastle, Newcastle upon Tyne, United Kingdom

2:00 pm-3:30 pm
CONCURRENT SESSION 19
Lung/Heart-Lung Transplantation 3: Pulmonary Hypertension (Prince Eugen Saal)
(supported by an educational grant from Actelion)
Chairs: Michael Mulligan, MD and Jean-Luc Vachiery, MD

2:00 pm (241) The Use of Bosentan and a Prostacyclin Analog in the Treatment of Primary Pulmonary Hypertension
B.K. Rayburn, R.L. Benza, J.A. Tallaj, B.A. Foley, L.J. Pinderski, K.L. Thomas, R.C. Bourge, Medicine, University of Alabama at Birmingham, Birmingham, AL

2:15 pm (242) The Safety and Efficacy of Bosentan in Pulmonary Hypertension Due to Congenital Heart Disease
R.L. Benza, B.K. Rayburn, J.A. Tallaj, B.A. Foley, L.J. Pinderski, K.L. Thomas, R.C. Bourge, Medicine, University of Alabama at Birmingham, Birmingham, AL

2:30 pm (243) Differential Protein Expression in Plexogenic Pulmonary Hypertensive Lung Lesions
M. Southwood, 1 C. Atkinson, 1 L. Long, 2 R. Pitman, 1 S. Stewart, 1 N. Morrell, 2 Pathology Department, Papworth Hospital, Cambridge, Cambridgeshire, United Kingdom; 3Respiratory Medicine Unit, University of Cambridge, Cambridge, Cambridgeshire, United Kingdom

2:45 pm (244) Nebulised Iloprost in Pulmonary Arterial Hypertension Due to Eisenmengers Syndrome
F. Reichenberger, 1 L. Howard, 1 J. Parameshwar, 1 N.W. Morrell, 1 J. Pepke-Zaba, 1 Pulmonary Vascular Diseases Unit, Papworth Hospital, Cambridge, United Kingdom

3:00 pm (245) Acute and Short-Term Hemodynamic and Clinical Effect of Sildenafil in Pulmonary Arterial Hypertension
M.D. McGoon, 1 R.P. Frantz, 1 C.J. Severson, 1 A.D. Hurst, 1 S.K. Tointon, 1 Cardiovascular Diseases, Mayo Clinic, Rochester, MN

3:15 pm (246) Utility of Neurohumoral Profiles in Pulmonary Hypertension: Clinical and Hemodynamic Correlations
R.P. Frantz, 1 M.D. McGoon, 1 C.J. Severson, 1 S.K. Tointon, 1 A.D. Hurst, 1 K.V. Ballman, 1 K.R. Bailey, 1 J.C. Burnett, 1 Division of Cardiovascular Diseases, Mayo Clinic, Rochester, MN

2:00 pm-3:30 pm
CONCURRENT SESSION 20
Basic Science and Immunobiology 3: Immune Mechanisms of Post Transplantation Vasculopathy and Obliterative Airway Disease (Gartensaal)
Chairs: Carla C. Baan, MD and Thomas J. Dengler, MD

2:00 pm (247) MIG/CXCL9 Neutralization Attenuates Chronic Rejection of Transplanted Hearts
D. Whiting, 1 S. Chiu, 1 H. Laks, 1 J. Yun, 1 X. Gan, 2 W. Yao, 1 B. Bonavida, 2 A. Ardehali, 1 Division of Cardiothoracic Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Microbiology, Immunology, and Molecular Genetics, David Geffen School of Medicine at UCLA, Los Angeles, CA

(248) 2:15 pm Natural Killer Cells Can Mediate Cardiac Allograft Vasculopathy in Murine Allografts
H.S. Rose, 1 W.H. Kitchens, 1 C.M. Chase, 1 R.B. Colvin, 2 P.S. Russell, 1 J.C. Madsen, 1 Department of Surgery, Massachusetts General Hospital, Boston, MA; 2Department of Pathology, Massachusetts General Hospital, Boston, MA
2:30 pm (249) Gamma-Interferon-Dependent T Cell-Mediated Injury and Remodeling of Human Coronary Arteries
Y. Wang, W. Burns, P. Tang, Y. Bai, J.S. Schechner, M.I. Lorber, J.S. Pober, G. Tellides, Interdepartmental Program in Vascular Biology and Transplantation, Yale University School of Medicine, New Haven, CT

2:45 pm (250) Granzyme B, a Cytotoxic Immune Protease, Induces Apoptosis of Smooth Muscle Cells in the Absence of Perforin
J.C. Choy, V.H. Hung, J. Myers, B. Motyka, I.S. Goping, T. Sawchuck, R.C. Bleackley, B.M. McManus, D.J. Granville, McDonald Research Laboratories/The iCAPTURE Centre, Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, BC, Canada; Department of Biochemistry, University of Alberta, Edmonton, AB, Canada; Department of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, CA

3:00 pm (251) Inhibition of Poly (ADP) Ribose Synthetase Ameliorates Experimental Obliterative Bronchiolitis in Rat Tracheal Allografts

3:15 pm (252) Role of the ICOS/ICOS Ligand Costimulating System in Endothelial Cell-Dependent T Cell Activation
R. Klingenberg, U. Heidt, W. Nottmeyer, N. Xia, G. Richter, T.J. Dengler, Cardiology/Heart Transplant Center, University Hospital Heidelberg, Heidelberg, Germany; Hematology, University Hospital Halle, Halle, Germany

3:30 pm-4:00 pm
Coffee Break/Visit Exhibits/Visit Posters

4:00 pm-5:30 pm
CONCURRENT SESSION 21
Clinical Heart Transplantation 4: Heart Transplant Complications (Festsaal)
Chairs: Steven S. L. Tsui, MD, FRCS and TBD

4:00 pm (253) Transplantation Using Hearts from Primary Pulmonary Hypertensive Donors for Recipients with High Pulmonary Vascular Resistance
E.J. Birks, A. Anyanwu, F. De Robertis, J. Jayakumar, R. Radley Smith, N.R. Banner, M.H. Yacoub, A. Khaghani, Cardiology & Cardiothoracic Surgery, Royal Brompton & Harefield Hospital, Harefield, Middlesex, United Kingdom

4:15 pm (254) Combined Prophylaxis of CMV-Immune Globulin Plus Ganciclovir Versus CMV-Immune Globulin Alone in High Risk Heart Transplant Recipients
N.E. Bonaros, A.A. Kocher, M. Ehrlich, M. Grimm, E. Wolner, G. Laufer, Cardiac Surgery, University of Innsbruck, Innsbruck, Austria; Cardiothoracic Surgery, University of Vienna, Vienna, Austria

4:30 pm (255) Prevention of Bone Loss after Cardiac Transplantation with Alendronate or Calcitriol: Efficacy and Safety
S. Maybaum, V. Addesso, P. Namerow, R.B. Staron, S.H. Lo, M. Zucker, S. Pardi, D.M. Mancini, E. Shane, Medicine, Columbia University, College of Physicians & Surgeons, New York, NY; Medicine, Newark-Beth Israel Medical Center, Newark, NJ

4:45 pm (256) Temporal Alteration in B-Type Natriuretic Peptide Expression Predicts Allograft Failure in Heart Transplantation
M.H. Park, P.A. Uber, P.F. Nasca, R.L. Scott, M.R. Mehra, Cardiomyopathy and Heart Transplantation Center, Ochsner Clinic Foundation, New Orleans, LA

5:00 pm (257) B-Natriuretic Peptide Improves Hemodynamics and Renal Function in Heart Transplant Patients Immediately after Surgery
S.M. Tann, J.S. Ikonomidis, W. Uber, A.B. VanBakel, N.L. Pereria, A. Crumbley, D.S. Feldman, Cardiovascular Institute, Medical University of South Carolina, Charleston, SC

5:15 pm (258) Does Prophylactic Ganciclovir Therapy after Heart Transplantation Decrease CMV-Infection Properly?
M. Mueller, J. Groetzner, I. Kaczmarek, F. Reisch, P. Landwehr, P. Ueberfuhr, I. Meiser, B. Reichart, Department of Cardiac Surgery, University of Munich, Klinikum Grosshadern, Munich, Bavaria, Germany

4:00 pm-5:30 pm
CONCURRENT SESSION 22
Clinical Heart Failure 2: Novel Therapy in Heart Failure (Zeremoniensaal)
Chairs: Wolfgang F. Konertz, Jr., MD and Mandep R. Mehra, MD
4:00 pm (259) Stable Left Ventricular Volumes and Function Following Dor Ventriculoplasty
H.J. Patel,1 M.M. Kirsh,1 R. Cody,2 J. Corbett,2 F.D. Pagani,3 1Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; 2Division of Cardiology, University of Michigan, Ann Arbor, MI; 3Department of Radiology, University of Michigan, Ann Arbor, MI

4:15 pm (260) Implantation of a Cardiac Support Device as Adjunct to CABG in Ischemic Cardiomyopathy
M.A. Castel,1 N. Kotetishvilli,2 R. Schomburg,1 M. Lass,2 1Cardiology, St. Georg Hospital, Hamburg, Hamburg, Germany; 2Cardiac Surgery, St. Georg Hospital, Hamburg, Hamburg, Germany

4:30 pm (261) Left Ventricular Shape Change with Myosplint Implantation in Dilative Cardiomyopathy: Clinical Experience in 9 Patients
A. Rahmel,1 R. Krakor,1 J. Schneider,1 T. Bossert,1 F.W. Mohr,1 1Department of Cardiac Surgery, University of Leipzig - Heart Center, Leipzig, Germany

4:45 pm (262) Does Extended Duration of Mechanical Circulatory Support Impact Clinical Outcomes ?
T. Mussivand,1 1Cardiovascular Devices Division, University of Ottawa Heart Institute, Ottawa, ON, Canada

5:00 pm (263) Tissue Doppler Echocardiography Predicts Positive Left Ventricular Remodeling after Biventricular Pacing in Severe Heart Failure
M. Penicka,1 J. Bartunek,1 M. Vanderheyden,1 B. De Bruyne,1 M. De Zutter,1 P. Geelen,1 E. Barbato,1 M. Goethals,1 1Cardiovascular Center, OLV Ziekenhuis, Aalst, Aalst, Belgium

5:15 pm (264) Improved Survival with Statin Therapy in Ischemic and Non-Ischemic Heart Failure
T.B. Horwich,1 J.K. Patel,1 M.A. Hamilton,1 W.R. MacLellan,1 M. Lessniewski,1 G.C. Fonarow,1 1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA

4:00 pm-5:30 pm
23 Lung/Heart-Lung Transplantation 4: Complications and Lung Injury in Lung Transplantation (Prince Eugen Saal)
Chairs: Walter Klepetko, MD and TBD

4:00 pm (265) Medium Term Results of ECMO for Severe Acute Lung Injury Following Lung Transplantation
P.S. Dahlberg,1 M.E. Prekker,1 M.I. Hertz,2 C.S. Herrington,1 S.J. Park,1 1Cardiothoracic Surgery, University of Minnesota, Minneapolis, MN; 2Pulmonary Medicine, University of Minnesota, Minneapolis, MN

4:15 pm (266) A Simple Clinical Predictive Model for Primary Graft Failure Following Lung Transplantation

4:30 pm (267) Maternal and Foetal Outcome Following Pregnancy after Intrathoracic Organ Transplantation: Single Centre Experience in 21 Patients
K.S. Nair,1 K.A. Ghosh,1 A. Mooney,1 E.J. Birks,1 E.J. Birks,1 A. Khaghani,1 1Department of Cardiothoracic Surgery and Transplantation, Harefield Hospital, Harefield, Middlesex, United Kingdom

4:45 pm (268) Lymphoproliferative Disease Following Lung Transplant: Positive Results with Rituximab as Primary Therapy
D.C. Lien,1 K.B. Jackson,1 M.J. Bentley,1 J.C. Mullen,1 K.C. Stewart,1 T.L. Winton,1 D.L. Modry,1 1Lung Transplant Program, University of Alberta, Edmonton, AB, Canada

5:00 pm (269) Impact of Bronchogenic Carcinoma in Patients Undergoing Lung Transplantation. Results of an International Survey
A. Patterson, M. de Perrot, S. Chernenko, T.K. Waddell, Y. Shargall, A. Pierre, L. Singer, M. Hutcheon, S. Keshavjee, Toronto Lung Transplant Program, University of Toronto, Toronto, ON, Canada

5:15 pm (270) Negative Effect of CMV Donor Status on Graft Survival after Lung but Not Heart Transplantation Is Restricted to HLA-A2 Negative Recipients
H. Bonatti,1 W. Tabarelli,2 D. Hoefer,3 R. Kafka,1 A. Klaus,1 G. Lauffer,1 C. Larcher,1 G. Geltner,1 R. Margeiret,1 R. Antretter,1 L. Mueller,3 1Surgery, General Surgery, Innsbruck, Tirol, Austria; 2Hygiene, Virology, Innsbruck, Tirol, Austria; 3Surgery, Cardiac Surgery, Innsbruck, Tirol, Austria

4:00 pm-5:30 pm
CONCURRENT SESSION 24
Basic Science and Immunobiology 4: Cellular and Molecular Events in Acute Rejection (Gartensaal)
4:00 pm (271) Visualization of Alloreactive CD4 T Cell Responses and Tolerance Induction In Vivo  
S. Sandner,1 A. Salama,1 E. Palmer,2 L.A. Turk,3 M.H. Sayegh,1 1Immunogenetics and Transplantation, Brigham & Women’s Hospital and Children’s Hospital, Harvard Medical School, Boston, MA; 2Transplantation Immunology, University Hospital Basel, Basel, Switzerland; 3Medicine, University of Pennsylvania, Philadelphia, PA

4:15 pm (272) Evaluation of an Oral CXCR3 Antagonist in a Rat Model of Acute Cardiac Allograft Rejection  
M.E. Bowdish,1 M.L. Barr,1 S.M. Quardt,1 J. Medina,3 T. Collins,3 M. Johnson,3 G. Tomm,3 D. Newland,3 D. Dairaghi,4 G.D. Wu,1 R. Mencel,1 N. Mitsuhashi,1 M. Watanabe,1 M.N. Koss,3 V.A. Starnes,3 D.V. Cramer,4 1Department of Cardiothoracic Surgery, University of Southern California, Los Angeles, CA; 2Department of Pathology, University of Southern California, Los Angeles, CA; 3Department of Surgery, Transplantation Biology Research Center, Massachusetts General Hospital/Harvard Medical School, Boston, MA; 4ChemoCentryx, San Carlos, CA

4:30 pm (273) Role of the Thymus in Heterotopic Cardiac Allograft Survival in Miniature Swine: Evidence for the Need of Thymic Emigrants Immediately Post-Transplantation, and Thymic Immigrants for Long Term Tolerance Induction  
S. Yamamoto,1 P.A. Vagefi,1 J.D. Mezrich,1 S.L. Houser,1 C. Kamano,1 H. Arakawa,1 K. Teranishi,1 J.C. Madsen,1 D.H. Sachs,1 K. Yamada,1 1Department of Surgery, Transplantation Biology Research Center, Massachusetts General Hospital/Harvard Medical School, Boston, MA

4:45 pm (274) Increased Incidence of Severe Lung Allograft Acute Rejection in Patients Exhibiting HLA-Specific Antibodies  
A. Zeevi,1 A.L. Girnita,1 K. McCurry,2 M. Awad,1 G. Burckart,3 R. Duquesnoy,1 J. Dauber,1 B. Griffith,2 A. Iacono,4 1Pathology; 2Surgery; 3Pharmacology; 4Pneumology, University of Pittsburgh Medical Center, Pittsburgh, PA

5:00 pm (275) Vascular Endothelial Growth Factor Gene Polymorphism Are Associated with Acute Rejection after Heart Transplantation  
S. Datta,1 J. Fildes,1 A.K. Deiraniya,1 N. Yonan,1 I.V. Hutchinson,2 1Transplant Research Laboratory, Wythenshawe Hospital, Manchester, Manchester, United Kingdom; 2Department of Immunology, School of Biological Sciences, University of Manchester, Manchester, Manchester, United Kingdom

5:15 pm (276) Sequential Expression of Three Known Protective Genes in Cardiac Biopsies after Transplantation  
A.I. De Souza,1 L.E. Felkin,1 P.J. Barton,1 N.R. Banner,1 M.L. Rose,1 1National Heart and Lung Institute, Imperial College School of Medicine, Harefield, Middlesex, United Kingdom

5:30 pm-6:30 pm  
Pediatric Transplantation Scientific Council Meeting (Zeremoniensaal)  
Pulmonary Transplantation Scientific Council Meeting (Prince Eugen Saal)  
Mechanical Circulatory Support Scientific Council Meeting (Festsaal)  
Infectious Diseases Scientific Council Meeting (Radetzky Appt II)  
Nursing and Social Sciences Scientific Council Meeting (Gartensaal)

5:30 pm-6:30 pm  
GENERAL POSTER SESSION 2/Wine and Cheese Reception (Gardehalle I)  
(See page ??? of this program booklet for the list of Poster Session I abstract titles and authors – Abstracts 277 – 409)

6:30 pm-Midnight  
Exhibit Hall Teardown (Seitengalerie, Vorsaal, Marmorsaal, Antekammer, Rittersaal, Wintergarten)  
Poster Teardown (Gardehalle I)

SATURDAY APRIL 12, 2003

7:00 am-5:00 pm  
Speaker Ready Room Open (Kunstlerzimmer)

7:30 am-8:30 am  
Morning Coffee (Seitengalerie)

7:30 am-10:30 am  
Registration Desk Open (Halle)

8:00 am-9:00 am
PLENARY SESSION (Festsaal)
Chairs: Walter Klepetko, MD and Guenther Laufer, MD

Research Grant Awards Presentations
Caves Award Winner Presentation
Featured Abstracts
8:30 am (410) Mycophenolate Mofetil (MMF) vs Azathioprine (AZA) in Lung Transplantation for the Prevention of Bronchiolitis Obliterans Syndrome (BOS): Results of A 3 Year International Randomized Trial
A.R. Glanville1, P.A. Corris2, K.D. McNeil3, Th. Wahlers and on Behalf of the International MMF Lung Study Group. 1Thoracic Medicine, St. Vincent’s Hospital Sydney, Darlinghurst, NSW, Australia; 2Freeman Hospital, Newcastle upon Tyne, United Kingdom; 3Prince Charles Hospital, Brisbane, Australia

8:45 am (411) One-Year Results of an International, Randomized, Double-Blind Study of Everolimus vs Azathioprine as Adjuvant Therapy to Inhibit the Decline of Pulmonary Function in Stable Lung or Heart/Lung Transplant Recipients
G.I. Snell1, V.G. Valentine2, R.B. Love3, P. Vitulo4, A.R. Glanville5, U. Pirron6. 1Lung Transplantation Service, Alfred Hospital, Melbourne, Australia; 2Lung Transplantation, Ochsner Clinic Foundation, New Orleans, LA; 3Lung Transplant Unit, University of Wisconsin, Madison, WI; 4Division of Pneumology, IRCCS Policlinico San Matteo, Pavia, Italy; 5The Lung Transplant Unit, St. Vincent’s Hospital, Sydney, Australia and 6BU Transplantation and Immunology, Novartis Pharma AG, Basel, Switzerland.

9:00 am Invited Lecture: Chronic Rejection
Marshall H. Sachs, MD, University of Minnesota, Minneapolis, MN

9:30 am Invited Lecture: Tolerance is a Clinical Reality
David H. Sachs, MD, Massachusetts General Hospital, Boston, MA

10:00 am-10:30 am
Coffee Break (Seitengalerie)

10:30 am-Noon
CONCURRENT SESSION 25
Clinical Heart Transplantation 8: Outcomes After Cardiac Transplantation (Festsaal)
Chairs: Carmelo A. Milano, MD and Hannah A. Valantine, MD

10:30 am (412) Diagnostic Accuracy of Coronary Angiography and Risk Factors for Post-Heart Transplant Coronary Artery Vasculopathy (CAV)
J.D. Sharples, C.H. Jackson, J. Parameshwar, J. Wallwork, S.R. Large. 1MRC Biostatistics Unit, Institute of Public Health, Cambridge, Cambridgeshire, United Kingdom; 2Transplant Unit, Papworth Hospital HNS Trust, Cambridge, Cambridgeshire, United Kingdom

10:45 am (413) QTC Interval Prolongation Predicts Mortality in Patients with Transplant Coronary Artery Disease
B. Vrtovec, B. Radovancevic, A.P. Yazdanbakhsh, R. Radovancevic, C.D. Thomas, O.H. Frazier. 1Cardiopulmonary Transplantation, Texas Heart Institute, Houston, TX

11:00 am (414) Impact of Health Insurance and Black Race on Outcome after Cardiac Transplantation: Analysis of the Cardiac Transplant Research Database
M.C. Montpetit1, R.N. Brown, S.V. Pamboukian, T. Stevens, G.W. Dec, C. Leier, A. VanBakel, B. Jaski, A. Heroux, J.K. Kirklin, for the Cardiac Transplant Research Database(CTRD). 1CTRD, University of Alabama at Birmingham, Birmingham, AL; 2Roche Young Investigator Award

11:15 am (415) Pre-Existing Renal Failure Doubles 30 Day Mortality after Cardiac Transplantation
M.E. Ostermann, C.A. Rogers, I. Saeed, S.R. Nelson, A.J. Murday, the Steering Group of the UK Intrathoracic Transplant Audit. 1Department of Nephrology & Transplantation, St George’s Hospital, London, United Kingdom; 2UK Cardiothoracic Transplant Audit, The Royal College of Surgeons of England, London, United Kingdom

11:30 am (416) Outcome after Cardiac Transplantation - Influence of Allocation Modus

11:45 am (417) Heart Transplantation in Diabetic Recipients: A Decade Review of 161 Patients at Columbia Presbyterian
10:30 am-Noon
CONCURRENT SESSION 26
Mechanical Circulatory Support 3: The Science of Myocardial Recovery with LVADs (Zeremoniensaal)
Chairs: Gilles Dreyfus, MD and O. H. Frazier, MD

10:30 am (418) Effect of Mechanical Ventricular Unloading on Mast Cells in Failing Myocardium
C.A. Skrabal,1,2 L.O. Thompson,1 K.A. Youker,1 J.A. LaFuenten,1 G.P. Noon,1 M. Loebe,1,3 Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX

10:45 am (419) Myocardial Structural Recovery Is Associated with Apoptosis Inactivation in Biomechanical Unloaded Heart by LVAD Therapy
M. Vatta, S. Jimenez, S.J. Stetson, K. Becker, J.A. Towbin, G. Torre-Amione, N.E. Bowles, Pediatrics (Cardiology), Baylor College of Medicine, Houston, TX; Medicine (Cardiology), Baylor College of Medicine, Houston, TX

11:00 am (420) Improved Right Ventricular Structure Following LVAD Support in Patients with End-Stage Cardiomyopathy
S.A. Kucuker,1 S.J. Stetson,1 K.A. Becker,1 A. Akgul,1 M. Loebe,1 J.A. LaFuenten,1 G.P. Noon,1 M.M. Koerner,1 M.L. Entman,1 G. Torre-Amione,1 1DeBakey Heart Center at the Methodist Hospital, Baylor College of Medicine, Houston, TX

11:15 am (421) Long Term Survival Following Left Ventricular Assist and Comprehensive Management as Bridge to Recovery Therapy for Advanced Heart Failure
M.A. Silver,1 M.S. Slaughter,1 P.S. Pappas,1 A.J. Tatooles,1 S. Szabo,1 1Heart Failure Institute/ LVAD Program, Advocate Christ Medical Center, Oak Lawn, IL

11:30 am (422) Assessment of Myocardial Blood Flow and Coronary Bypass Graft Patency during LVAD Support
S. Maybaum,1 S. Pinney,1 Y. Naka,2 D. Mancini,2 M. Oz,2 S. Bergmann,1 1Medicine, Columbia University, New York, NY; 2Surgery, Columbia University, New York, NY

11:45 am (423) Experience of Severe Fulminant Myocarditis with Shock by Extracorporeal Membrane Oxygenation - What Mechanical Support Should be Considered First?
Y.S. Chen,1 S.C. Huang,1 W.J. Ko,1 H.Y. Yu,1 S.S. Wang,1 K.M. Chiu,2 F.Y. Lin,1 S.H. Chu,2 1Cardiovascular Surgery, National Taiwan University Hospital, Taipei, Taiwan; 2Far-East Memorial Hospital, Taiwan

10:30 am-Noon
CONCURRENT SESSION 27
Donor Management 4: Extended Donors and Other Issues (Prince Eugen Saal)
Chairs: Robert B. Love, MD and Florian Wagner, MD

10:30 am (424) Donor Intracranial Bleeding Is Associated with Upregulation of the Angiotensin Receptor
M.H. Yamani,1 D.J. Cook,2 A.S. Abdo,2 M. Yousufuddin,1 R.C. Starling,1 Y. Yu,1 E.M. Tuzcu,1 N.B. Ratliff,3 P. Paul,2 P.M. McCarthy,4 J.B. Young,1 1Cardiovascular Medicine, Cleveland Clinic; 2Allogen Laboratory; 3Anatomic Pathology; 4Cardiovascular Thoracic surgery, Cleveland Clinic, Cleveland, OH

10:45 am (425) Role of Interleukin-8 in Predicting Outcome of Donor Lungs
A. Patterson,1 M. de Perrot,1 H. Kaneda,1 M. Yamane,1 Y. Imai,1 M. Quadri,1 T.K. Waddell,1 M. Liu,1 S. Keshavjee,1 Thoracic Surgery Research Laboratory, University of Toronto, Toronto, ON, Canada

11:00 am (426) Liberalization of Donor Criteria Does Not Compromise Outcomes Three Years after Lung Transplantation
S.M. Bhorado,1 A.M. Jordan,1 W.T. Vigneswaran,2 E.R. Garrity,1 1Pulmonary and Critical Care, Loyola University Medical Center, Maywood, IL; 2Cardiothoracic Surgery, Loyola University Medical Center, Maywood, IL

11:15 am (427) IL-1β in Broncho-Alveolar Lavage Is a Non-Invasive Predictor of the Viability of the Pulmonary Graft from the Non-Heart-Beating Donor
E. Rega,1 B. Vanaudenaerde,2 W. Wuyts,2 N. Jannis,1 G. Verleden,2 T. Lerut,1 D. Van Raemdonck,1,3 1Center for Experimental Surgery and Anaesthesiology, Katholieke Universiteit Leuven, Leuven, Belgium; 2Laboratory for Pneumology, Katholieke Universiteit Leuven, Leuven, Belgium; 3Department of Thoracic Surgery, University Hospital Gasthuisberg, Leuven, Belgium

11:30 am (428) The Risk of Transmission of Hepatitis B from from Donors with Hepatitis B Core Antibody Positivity Is Low
S.P. Pinney,1 F.H. Cheema,2 K.M. Hammond,1 J.M. Chen,2 N.M. Edwards,2 M.C. Oz,2 D.M. Mancini,1 1Medicine, Columbia University, New York, NY; 2Surgery, Columbia University, New York, NY
11:45 am (429) Impact of Donor-Transmitted Coronary Atherosclerosis
Cardiothoracic Surgery, German Heart Institute, Berlin, Germany

10:30 am-Noon
CONCURRENT SESSION 28
Pediatrics 2: General Topics (Gartensaal)
Chairs: Asif Hasan, MD, and Lori West, MD, DPhil

10:30 am (430) Tissue Doppler Echocardiography - New Insights into Cardiac Allograft Function in Children
The Children’s Hospital Denver, University of Colorado Health Sciences Center, Denver, CO

10:45 am (431) Cystic Fibrosis and Lung Transplantation - Determination of the Survival Benefit
C. Aigner, P. Jaksch, G. Seebacher, S. Mazhar, W. Wisser, W. Klepetko
Department of Cardio-Thoracic Surgery, University of Vienna, Vienna, Austria

11:00 am (432) Mycophenolic Mofetil Reduces the Alloimmune Response of Children to Surgical Valved Allograft Implantation
University of Utah School of Medicine; Pathology; Surgery, University of Utah School of Medicine, Salt Lake City, UT

11:15 am (433) Extracorporeal Membrane Oxygenation (ECMO) as a Bridge to Heart Transplantation in Children
Paediatric Cardiology, Cardiovascular Surgery, Hospital for Sick Children, University of Toronto, Toronto, ON, Canada

11:30 am (434) Growth Hormone Therapy Following Pediatric Cardiac Transplantation
S. Mital, A. Andron, B. Softness, J.M. Lamour, D.T. Hsu, L.J. Addonizio
Pediatrics, Columbia University, New York, NY

11:45 am (435) Is Interstitial Lung Disease a Risk Factor for Mortality in Pediatric Lung Transplantation?
K.J. Guleserian, E.N. Mendeloff, S.C. Sweet, M.T. de la Morena, C.B. Huddleston
Cardiothoracic Surgery, St. Louis Children’s Hospital, St. Louis, MO; Pulmonary Medicine, St. Louis Children’s Hospital, St. Louis, MO

12:15 pm-1:45 pm
Fujisawa Lunch Symposium: Non-immunological Risks of Immunosuppressive Therapy in Heart Transplantation
(Zeremoniensaal)
Chair: Mandeep R. Mehra, MD

12:15 pm How Do We Define “Success” Following Heart Transplantation?
Mandeep R. Mehra, MD, Ochsner Medical Institutions, New Orleans, LA

12:40 pm Rationale for Focusing on Non-immunological Outcomes: Mechanisms and Clinical Impact
Bruno M. Meiser, MD, University of Munich/Grosshadern, Munich, Germany

1:05 pm Results of a Multi-Center Study of Metabolic and Renal Factors Influencing Survival in Heart Transplantation
Jon Kobashigawa, MD, UCLA Medical Center, Los Angeles, CA

1:30 pm Panel Discussion and Closing Remarks

2:00 pm-3:30 pm
CONCURRENT SESSION 29
Clinical Heart Transplantation 5: Optimizing Outcomes After Cardiac Transplantation (Festsaal)
Chairs: Richard C. Daly, MD and Mariell Jessup, MD

2:00 pm (436) Time Course of Physical Reconditioning during Exercise Rehabilitation Late after Heart Transplantation
U. Tegtbur, K. Pethig, H. Machold, A. Haverich, M.W. Busse, Sportsmedicine, Hannover Medical School, Hannover, Germany; Cardiology, University of Jena, Jena, Germany; Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany; Sportsmedicine, University of Leipzig, Leipzig, Germany

2:15 pm (437) Heart Failure Survival Score Continues to Predict Death or UNOS 1 Transplant in Heart Failure Patients Receiving Beta Blockers
T.M. Koelling, S. Joseph, K.D. Aaronson, Division of Cardiology, University of Michigan, Ann Arbor, MI
2:30 pm (438) IL-6 and TNFα Cytokine Genotypes Are Associated with Acute Rejection and Lower Survival in African American Heart Transplant Recipients
B.L. Coleman,1 L.S.C. Czer,2 S.C. Jordan,2 J.M. Mirocha,3 M.G. Gillaspie,4 C. Blanche,1 A. Hickey,1 K.E. Magliato,1 D.B. Tyan,2 Cardiothoracic Surgery, Cedars Sinai Medical Center, Los Angeles, CA; 3Pediatrics / Transplant Immunology, Cedars Sinai Medical Center, Los Angeles, CA; 4Cardiology / Biostatistics, Cedars Sinai Medical Center, Los Angeles, CA; 5Outcomes Management, Cedars Sinai Medical Center, Los Angeles, CA; 6Medical Genetics, Cedars Sinai Medical Center, Los Angeles, CA;

2:45 pm (439) Is There a Need for a Tailored Immunosuppression in Elderly Heart Transplant Recipients?
J. Kaczmarek, B. Meiser, J. Grootzner, M. Mueller, P. Landwehr, P. Ueberfuhr, G. Nollert, F. Reisch, B. Reichart, Department of Cardiac Surgery, Ludwig-Maximilians University, Munich, Germany

3:00 pm (440) Patient Factors Influencing Waiting Time to Heart Transplant in the UK and Republic of Ireland
A.L. Hudson,1 F.M. Sceney,1 J. Wallwork,2 C.J. Rudge,2 1Medical Directorate, UK Transplant on Behalf of the UK Transplant Cardiothoracic Advisory Group, Bristol, United Kingdom; 2Papworth Hospital, Papworth, United Kingdom

3:15 pm (441) Neurohormonal Activation in Congestive Heart Failure: Does It Normalize after Heart Transplantation?
E. Ferrer,1 F. Perez-Villa,1 E. Roig,1 A. Cuppoletti,1 I. Vallejo,1 J. Orus,1 G. Sanz,1 Cardiovascular Institute, Hospital Clinic, Barcelona, Spain

2:00 pm-3:30 pm
CONCURRENT SESSION 30
Mechanical Circulatory Support 4: Impact of New LVAD Technology (Zeremoniensaal)
Chairs: Robert L. Kormos, MD and George Wieselthaler, MD

2:00 pm (442) Vascular Thrombosis in Patients with Long Term Jarvik 2000 VAD Support
R.M. Delgado,1 B. Kar,1 T.J. Myers,1 G. Letsou,1 I. Riaz,1 R. Metcalfe,2 1Cardiopulmonary Transplantation, Texas Heart Institute, Houston, TX; 2Cardiology, University of Texas Health Science Center Houston, Houston, TX; 3Mechanical Engineering, University of Houston, Houston, TX

2:15 pm (443) The Micromed-DeBakey VAD: Initial American Experience
D.J. Goldstein,1 M. Zucker,1 L. Arroyo,1 P. McCarthy,2 3Cardiothoracic Surgery, Newark Beth Israel Medical Center, Newark, NJ; 4Cardiothoracic Surgery, Cleveland Clinic Foundation, Cleveland, OH; 5Cardiothoracic Surgery, Methodist Hospital, Houston, TX

2:30 pm (444) Chronic Therapy with the Acorn Cardiac Support Device Normalizes Gene Expression of Vascular Endothelial and Basic Fibroblast Growth Factors in Dogs with Heart Failure
S. Rastogi, S. Mishra, R.C. Gupta, H. Morita, H.N. Sabbah, Medicine and Surgery, Henry Ford Health System, Detroit, MI

2:45 pm (445) The Differences in Hemodynamics, Cardiac Function and Myocardial Structure Associated with Chronic Mechanical Circulatory in Patients Support with Either Pulsatile or Continuous Flow Left Ventricular Assist Devices
V. Thohan,1 M. Loebe,1 J. LaFuente,1 M. Koerner,1 G.P. Noon,1 G. Torre-Amione,1 1DeBakey Heart Center at the Methodist Hospital, Baylor College of Medicine, Houston, TX

(446) 3:00 pm Mechanical Circulatory Assistance with Pulsatile or Continuous Flow Devices Leads to Molecular Remodeling of Dystrophin: Evidence for Improvement in the Failing Left and Right Ventricle
M. Vatta,1 S.J. Stetson,2 J.A. Towbin,1 M.M. Koerner,2 G.P. Noon,2 G. Torre-Amione,2 1Pediatric Cardiology at Texas Children’s Hospital, Baylor College of Medicine, Houston, TX; 2DeBakey Heart Center at The Methodist Hospital, Baylor College of Medicine, Houston, TX

3:15 pm (447) Liver Failure Following Mechanical Circulatory Support: Improving Outcome with Application of Mars Technique
A. El-Banayosy,1 L. Kizner,1 L. Arusoglu,1 S. Bergmeier,1 R. Koerfer,1 1Cardiac Surgery, Heart Center NRW, Bad Oeynhausen, Germany

2:00 pm-3:30 pm
CONCURRENT SESSION 31
Nursing, Social Science, Health Economics 2: Reclaiming Function and Quality (Prince Eugen Saal)
Chairs: Nancy P. Blumenthal, CRNP and TBD

2:00 pm (448) Does Functional Ability and Return To Work Improve from 1 to 3 Years after Heart Transplantation?
C. White-Williams,1 A. Jalowiec,2 K. Grady,3 1Nursing, University of Alabama, Birmingham, Birmingham, AL; 2Niehoff SON, Loyola University, Chicago, IL; 3Cardiology, Rush-Presbyterian-St. Luke’s, Chicago, IL
2:15 pm (449) Predictors of Quality of Life at 5 to 6 Years after Heart Transplantation
K.L. Grady,1 D.C. Naftel,2 C. White-Williams,3 A.J. Bellg,3 J. Young,4 D. Pelegrin,4 K. Patton-Schroeder,4 J. Kobashigawa,5 J. Chait,3 J. Kirklin,2 W. Piccione, Jr.,1 M. McLeod,1 A. Heroux,1 1Cardiology, Rush University, Chicago, IL; 2Cardiothoracic Surgery, University of Alabama, Birmingham, AL; 3Cardiology, Appleton Cardiology Associates, Appleton, WI; 4Cardiology, Cleveland Clinic Foundation, Cleveland, OH; 5Cardiology, University of California, Los Angeles, CA

2:30 pm (450) Measuring Physical Activity among Female Heart Transplant Recipients
L.S. Evangelista,1 L.V. Doering,1 K. Dracup,2 J. Kobashigawa,3 1School of Nursing, University of California, Los Angeles, Los Angeles, CA; 2School of Nursing, University of California, San Francisco, San Francisco, CA; 3School of Medicine, University of California, Los Angeles, Los Angeles, CA

2:45 pm (451) Perception Is Deceiving; the Real Gender Specific Exercise Capacity of Heart Transplant Recipients
B.T. Cole,1 J.A. Kobashigawa,1 J.K. Patel,1 J. Moriguchi,1 M. Espejo Vassilakis,1 S.E. Go,1 J. Chait,1 H. Laks,2 1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Cardiothoracic Surgery, The David Geffen School of Medicine at UCLA, Los Angeles, CA

3:00 pm (452) Quality of Life after Lung Transplantation for Lymphangioleiomyomatosis (LAM)
S.M. Pollock-BarZiv,1,2 M.M. Cohen,1,2 H. Maclean,1,2 G.P. Downey,1,3 1Medical Sciences, University of Toronto, Toronto, ON, Canada; 2Centre for Research in Women’s Health, Sunnybrook & Women’s College Health Science Centre, Toronto, ON, Canada; 3Respirology, University Health Network, Toronto, ON, Canada

3:15 pm (453) Relation between Quality of Life and Functional Variables in Heart Transplant Recipients
U. Tegtbur,1 K. Pethig,4 U. Brinkmeier,2 A. Haverich,3 M.W. Busse,5 1Sportsmedicine, Medical School Hannover, Hannover; 2Psychology, Medical School Hannover, Hannover; 3Thoracic and Cardiovascular Surgery, Medical School Hannover, Hannover, Germany; 4Cardiology, University of Jena, Jena, Germany; 5Sportsmedicine, University of Leipzig, Leipzig, Germany

4:00 pm – 5:30 pm
CLOSING PLENARY SESSION (Festsaal)
Moderators: Jon Kobashigawa, MD and Mandeep Mehra, MD

4:00 pm Late Breaking Clinical Trial: Efficacy and Safety of Daclizumab with Background Immunosuppressive Regimen in Primary Cardiac Recipients: 12 Month Analysis
Randall C. Starling, MD, Cleveland Clinic Foundation, Cleveland, OH

4:15 pm Invited Lecture/Panel Discussion
Panelists:
Randall C. Starling, MD, Cleveland Clinic Foundation, Cleveland, OH
Howard Eisen, MD, Temple University, Philadelphia, PA
Jon Kobashigawa, MD, University of California, Los Angeles, CA
Bruce Rosengard, MD, University of Pennsylvania Health System, Philadelphia, PA

4:30 pm Debate: Resolved: Heart Transplantation Has No Future
Pro: James Kirklin, Univ of Alabama, Birmingham, AL
Con: TBD

5:00 pm Debate: Resolved: Transplant Programs Should be Run by Surgeons, Not Physicians
Pro: Jack G. Copeland, MD, University of Arizona Health Science Center, Tucson, AZ
Con: Maria Rosa Constanzo, MD, Wheaton, IL
GENERAL POSTER SESSION 1
(Gardehalle 1)

THURSDAY, APRIL 10, 2003
5:30 pm – 6:30 pm

Basic Science and Immunobiology

(75) Cyclosporin-Induced Endothelial Dysfunction: Is Tetrahydrobiopterin the Solution?
I. El-Hamamsy,1 M. Grant,2 L.M. Stevens,1 O. Malo,2 L.P. Perrault,1 Cardiovascular Surgery, Montreal Heart Institute, Montreal, QC, Canada; 3Research Department, Montreal Heart Institute, Montreal, QC, Canada

(76) Deregulation of Cell Cycle Protein Expression by Constitutive Overexpression of AIF-1 in Human Coronary Artery Smooth Muscle Cells
M.V. Autieri,1 1Physiology, Temple University School of Medicine, Philadelphia, PA

(77) Differential Expression of the Novel Immuno-Regulatory Growth Factors IL-11 and IL-17 in Lung Transplant Recipients
L. Zheng,1 M. Al Kerithy,2 B. Orsida,1 H. Walters,1 T.J. Williams,1 Q. Hamida,2 T. Kotsimbos,1 G.L. Snell,1 Respiratory Med. & Lung Transplant Service, Alfred Hospital, Melbourne, Australia; 2Meakins Christie Labs., McGill University, Montreal, Canada

(78) Specific Dysregulation of Troponins and Inflammatory Marker Genes in Endomyocardial Biopsies from Heart Transplant Recipients
S.E. Kelemen,1 D.P. Bednarik,3 M.V. Autieri,2 K.B. Margulies,1 H.J. Eisen,1 Cardiology, Temple University, Philadelphia, PA; 2Physiology, Temple University, Philadelphia, PA; 3GeneLogic, Inc., Gaithersburg, MD

(79) Single Cell Detection of IFN-Gamma Production Identifies Lung Recipients at High Risk for Early Immune Complications
K. Mohler,1 A. Burnette,1 K. Savick,2 M. Hertz,2 M. Steele,1 S. Palmer,1 D. Davis,1 N. Reinsmoen,1 Pathology, Medicine and Surgery, Duke Medical Center, Durham, NC; 2Medicine, University of Minnesota, Minneapolis, MN

(80) The Role of Epithelial Cell Apoptosis in Allograft Transplant-Induced Airway Obliteration
L.E. Segall,1 M. Liu,1 S.M. Quadri,1 A. Dutly,1 T.K. Waddell,1 S.H. Keshavjee,3 Thoracic Surgery Research Laboratory, Toronto General Hospital Research Institute, Toronto, ON, Canada

(81) WITHDRAWN

(82) Blockade of Receptor for Age (RAGE) Suppresses T Lymphocyte Proliferation in Mixed Lymphocyte Culture
B. Moser,1 T.M. Wendt,1 J.H. Ankerson,2 M. Hofmann,1 L.G. Bucciarelli,1 B.I. Hudson,1 M. Schuster,1 M.T. Goova,1 M.J. Szabolcs,1 A.M. Schmidt,1 S. Itescu,1 Surgery, Columbia University, New York, NY; 2Pathology, Columbia University, New York, NY

(83) 25 Days of Baoons after Orthotopic Xenotransplantation of HDAF Transgenic Pig Hearts Using a Moderate Immunosuppression
U. Brandl,1,4 S. Michel,1 M. Erhardt,1 H. Baschnegger,3 A. Bauer,3 I. Bittmann,2 C. Hammer,4 M. Schmoeckel,1 B. Reichart,1 Cardiac Surgery, Ludwig-Maximilians-University, Munich, Germany; 2Pathology, Ludwig-Maximilians-University, Munich, Germany; 3Anesthesiology, Ludwig-Maximilians-University, Munich, Germany; 4Surgical Research, Ludwig-Maximilians-University, Munich, Germany

(84) Expression of Connective Tissue Growth Factor Is Upregulated in Post-Transplant Obliterative Airway Disease
M. Thanikachalam,1 M. Pang,1 S. Li,1 R. Vazquez-Padron,1 A. Aitouche,1 G.R. Grotendorst,1 S.M. Pham,1 Surgery, University of Miami School Of Medicine, Miami, FL

(85) Transcriptional Profiling of the Vascular Smooth Muscle Cell Response to Allograft Injury
M.V. Autieri,1 S.E. Kelemen,2 D.P. Bednarik,3 H.J. Eisen,1 Cardiology, Temple University School of Medicine, Philadelphia, PA; 2Physiology, Temple University School of Medicine, Philadelphia, PA; 3GeneLogic, Inc., Gaithersburg, MD

(86) High Potassium Lung Preservation Solutions Increase Production of Nadph Oxidase-Dependent Reactive Oxygen Species
J. Murar,1 Z.G. Hong,2 F.X. Hong,2 O. Boning,3 D.P. Nelson,2 E.K. Weir,2 R.F. Kelly,1 Surgery, VA Medical Center and University of Minnesota, Minneapolis, MN; 2Medicine, VA Medical Center and University of Minnesota, Minneapolis, MN; 3Anesthesiology, Justus Liebig University, Giessen, Germany
(87) Expression of Allograft Inflammatory Factor-1 in T-Lymphocytes: A Role in T-Cell Activation and Allograft Rejection
S.E. Kelemen,1 H.J. Eisen,1 M.V. Autieri,2 1Cardiology, Temple University School of Medicine, Philadelphia, PA; 2Physiology, Temple University School of Medicine, Philadelphia, PA

(88) Intracoronary Interferon-α Promotes Vasculopathy in Tolerant Miniature Swine Bearing MHC Class I Disparate Hearts
R. Hoerbelt,1 L.C. Benjamin,1 D.R. Johnston,1 T. Shoji,1 J.A. Allan,1 L.G. Ledgerwood,1 R.S. Hasse,1 D.H. Sachs,1 J.C. Madsen,1 1Department of Surgery, Massachusetts General Hospital, Transplantation Biology Research Center, Boston, MA

(89) Impact of Anticoagulant and Antiplatelet Regimens on Graft Survival in Pig-To-Primate Cardiac Xenotransplantation

(90) Progress Towards a More Physiologic Approach to Heart Preservation: The Advantages of Hyperpolarized Arrest
M.D. Diodato,1 N.R. Shah,1 S.M. Prasad,1 S. Mizutani,1 E.L. Racen,1 J.L. Lawton,1 R.J. Damiano, Jr.,1 1Cardiothoracic Surgery, Washington University in St. Louis, St. Louis, MO

(91) C4D as a Diagnostic Adjunct in Lung Allograft Biopsies
A. Pope-Harman,2 P. Ross, Jr.,1 C. Magro,1 M. Kelsey,1 1Cardiovascular and Thoracic Surgery, The Ohio State University, Columbus, OH; 2Pulmonary and Critical Care Medicine, The Ohio State University, Columbus, OH

(92) PX3.102, a Novel Immunosuppressant, Slows Tracheal Allograft Rejection in the Mouse Model of Obliterative Bronchiolitis
W. Chalermskulrat,1 I.P. Neuringer,1 R.C.W. Park,1 R.A. Braeckman,2 R.M. Aris,1 1Pulmonary Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC; 2Pan Pacific Pharmaceuticals, Inc., Lincoln, RI

(93) Site of Heterotopic Tracheal Allograft Implantation Affects Graft Rejection Pattern
F. Sadegh Beigi,1 L.J. West,1 1Pediatrics, Hospital for Sick Children, Toronto, ON, Canada

(94) Bone Marrow Inhibits Allospecific T Cell Proliferation and Clonal Expansion
J.F. George,1 A. Lu,1 J.K. Kirklin,1 L.J. Pinderski,1 1Surgery, Division of Cardiothoracic Surgery, University of Alabama at Birmingham, Birmingham, AL; 2Medicine, Division of Cardiovascular Diseases, University of Alabama at Birmingham, Birmingham, AL

(95) Differential Trafficking of Tolerizing Cells in Neonatal Tolerance Induction: Fate Depends on Cell Source
N.E. Lobach,1 K. Tao,1 L. Mai,1 M. Seyed,1 X. Fan,1 L.J. West,1 1Pediatrics, Hospital for Sick Children, Toronto, ON, Canada; 2Chicago Medical School, Finch University of Health Sciences, Chicago, IL

(96) Effects of Porcine Gal-Negative Hematopoietic Progenitor Cells on Primate Platelet Aggregation and Endothelial Cell Activation - Implications for the Induction of Mixed Hematopoietic Chimerism in the Pig-To-Primate Model
C. Knosalla,1,2 M.A. Giorno,1 E. Kaczmarek,1 B. Gollackner,1 D. Harper,3 M. Awwad,3 D.K.C. Cooper,1 S. Robson,4 1Transplantation Biology Research Center, Massachusetts General Hospital-Harvard Medical School, Boston, MA; 2Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; 3Immerge BioTherapeutics, Charlestown, MA; 4Center for Immunobiology, Beth Israel-Deaconess Medical Center- Harvard Medical School, Boston, MA

(97) Monocyte-Induced Endothelial Calcium Signaling Mediates E-Selectin and VCAM-1 Expression on Xenogeneic Endothelium
M.D. Peterson,1 E.V. Vlasova,1 S. Keshavjee,1 T.K. Waddell,1 1Thoracic Surgery, University of Toronto, Toronto, ON, Canada

(98) Inhibition of Poly-Adp Ribose Synthase (PARS) Increases Cardiac Myocyte Survival during Acute Cardiac Allograft Rejection in Rats
M.J. Szabolcs,1 N. Ma,2 N. Edwards,2 N. Son,3 Y. Liu,3 A. Albala,3 R.R. Sciacca,3 P.J. Cannon,3 1Pathology, College of Physicians and Surgeons, New York, NY; 2Surgery, College of Physicians and Surgeons, New York, NY; 3Medicine, College of Physicians and Surgeons, New York, NY

(99) Clonally-Expanded Gamma-Chain TCR Transcripts Are Present in the Coronary Arteries of Cardiac Allografts from Patients with Chronic Rejection
W.J. Jung,1 S. Lu,1 A. Aflabi,1 C. Slachta,1 J.E. Fincke,1 B.I. Goldman,2 V. Jeevanandam,3 C.D. Platsoucas,1 1Microbiology & Immunology, Temple University School of Medicine, Philadelphia, PA; 2Pathology & Laboratory Medicine, Temple University School of Medicine, Philadelphia, PA; 3Surgery, Temple University School of Medicine, Philadelphia, PA

(100) Increased Expression of Single-Strand DNA-Binding Proteins Represses Alpha-Myosin Heavy Chain (MHC) Gene Expression in Heart Failure
J. Raman,1 M.P. Gupta,1 M. Gupta,2 V. Jeevanandam,1 1Department of Cardiac & Thoracic Surgery, The University of Chicago Medical Center, Chicago, IL; 2Department of Physiology, University of Illinois- Chicago, Chicago, IL

(101) Characterization of Regulatory CD8+CD28- T Cells in Heart Transplant Recipients
A.I. Colovai,1 M. Mirza,1 G. Vlad,1 S. Wang,1 R. Cortesini,2 N. Suciu-Foca,1 1Department of Pathology, Columbia University, New York, NY; 2Servizio Trapianti d’Organo, Universita degli Studi di Roma “La Sapienza”, Rome, Italy

(102) Optimization of a Novel Low-Strength Electroporation System for Ex Vivo Gene Transfer in Human Heart
L. Sen,1 G. Guanggen,2 H. Russell,1 H. Furuikawa,1 J. Xu,1 S. Zhang,1 H. Laks,1 1Surgery, UCLA Medical Center/UCLA School of Medicine, Los Angeles, CA

(103) Immunology Properties of Rat Vascular Endothelium
M. Riha,1 D. Kreisel,1 A.S. Krupnick,1 K.R. Balsara,1 B.R. Rosengard,1 1Harrison Department of Surgical Research, University of Pennsylvania, Philadelphia, PA

Medical Management of Heart Failure and Candidate Selection

(104) Evaluation of Changes in Functional Capacity, Quality of Life and Hospital Days Following Participation in Cardiopulmonary Rehab in Patients with Congestive Heart Failure
L. Houston-Feenstra,1 J.L. Heywood,2 K. Jutzy,3 R.V. Jutzy,1 1Cardiology, Loma Linda University Medical Center, Loma Linda, CA

(105) Can Changes over Time in Echocardiographic Measurements; Cardiopulmonary Exercise Testing and Radionuclide Ventriculography Predict Outcome in Patients with Chronic Heart Failure?
H.-U. Stempfle,1 A. Alt,1 P. Uberfuhr,2 B. Reichart,1 K. Theisen,1 1Cardiology, Med. Klinik - Innenstadt, Munich, Germany; 2Cardiac Surgery, Klinikum Grosshadern, Munich, Germany

(106) WITHDRAWN

(107) The Differential Impact of Spironolactone on Patterns of Pro-Inflammatory Cytokine Expression in Advanced Heart Failure
J.R. Becker,1 M.E. Keebler,1 P.A. Uber,1 M.H. Park,1 R.L. Scott,1 M.R. Mehra,1 1Cardiomyopathy and Heart Transplantation Ctr, Ochsner Clinic Foundation, New Orleans, LA

(108) The Intrinsic Mitochondrial Oxidative Capacity of the Failing Heart Is Depressed and Relates to Markers of Disease Severity
B. Mettauer,2 J. Zoll,1 B. N. Guissan,1 F. Ribera,1 O. Roth,1 J.P. Mazzucotelli,4 E. Epailly,1 E. Lampert,1 R. Ventura-Clapier,2 B. Geny,1 1Physiology, Faculty of Medicine, Strasbourg, France; 2Cardiology, Hopitaux Civils de Colmar, Colmar, France; 3ISERM U446, Faculty of Pharmacy, Chatenay-Malabry, France; 4Cardiovascular Surgery, University Hospital, Strasbourg, France

(109) Does QRS Width Really Impact on Cardiac Resynchronization Benefit in Heart Failure Patients?
E. Gronda,1 A. Municinò,1 L. Genovese,1 M. Mangiavacchi,1 B. Andreuzzi,1 D. Pini,1 P. Galimberti,1 C. Klersy,2 F. Faletra,1 M. Gasparini,1 1Cardiology Department, Istituto Clinico Humanitas, Rozzano (Milano), Italy; 2Biometry and Clinical Epidemiology Department, Policlinico San Matteo, Pavia, Italy

(110) Elevated Troponin I in Heart Failure: A Marker for Poor Prognosis
T.H. Horwich,1 J.K. Patel,1 W.R. McLellan,1 M.A. Hamilton,1 D. Rourke,1 G.C. Fonarow,1 1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA

(111) Hemodynamic Impact of Biventricular Pacing in Candidates For Heart Transplantation
H. Naegele,1 M.A. Castel,1 S. Schreper,F. Roediger,1 H. Reichenspurner,1 1Cardiovascular Surgery, University Clinic Eppendorf, Hamburg, Hamburg, Germany

(112) Long-Term Outcome of Coronary Artery Surgery for Ischemic Cardiomyopathy - A Multi-Institutional Experience
J. Raman,1 P.J. Shah,2 D.L. Hare,2 B.F. Buxton,2 P. Mather,2 S. Furokawa,3 V. Jeevanandam,4 1Department of Cardiac & Thoracic Surgery, The University of Chicago Medical Center, Chicago, IL; 2Department of Cardiac Surgery, Austin &...
(113) Nesiritide Use in End Stage Heart Failure
K.M. Truong,1 A.F. Bernabei,2 B. Czerska,1 1Cardiology, Henry Ford Hospital, Detroit, MI; 2Cardiothoracic Surgery, Henry Ford Hospital, Detroit, MI

(114) Comparison of the Calcium Sensitizer Levosimendan and Prostaglandin E1 as a Bridge to Increased Beta - Blockade in Patients with Refractory, Decompensated Chronic Heart Failure
R. Berger,1 M. Huelsmann,1 D. Moertl,1 A. Bojc,1 R. Pacher,1 1Department of Cardiology, University Hospital of Vienna, Vienna, Austria

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(115) The Prostacycline Derivative "Iloprost" as an Additive to Low Potassium Dextran (LPD) Preservation Solution Improves Early Graft Function Following Porcine Lung Transplantation after 24 Hours of Cold Ischemia
B. Gohrbandt,1 S.P. Sommer,1 G. Warnecke,1 S. Fischer,1 T. Steinkamp,1 A. Haverich,1 M. Strüber,1 1Division of Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany

(116) Impact of Donor Serum Sodium Levels on Outcome after Heart Transplantation
I. Kaczmarek, B. Meiser, J. Groetzner, M. Mueller, G. Nollert, P. Landwehr, F. Reisch, P. Ueberfuhr, B. Reichart, Department of Cardiovascular Surgery, Ludwig-Maximilians-University, Grosshadern, Munich, Germany

(117) Switch From Euro-Collins® to Perfadex® for Pulmonary Graft Preservation Resulted in Superior Outcome in Transplant Recipients
F. Rega,1 G. Verleden,1 J. Vanhaecke,1 W. Daenen,1 D. Van Raemdonck,1 1The Leuven Lung Transplant Group, University Hospital Gasthuisberg, Leuven, Belgium

(118) Asthma Donors Are Not a Contraindication for Lung Transplantation(LTx): A 12 Year Single Centre Experience
A.P. Griffiths,1 T. Oto,1 B.J. Levvey,1 H.M. Whitford,1 T.C. Kotsimbos,1 D.S. Esmore,1 M. Rabinov,1 T.J. Williams,1 G.I. Snell,1 1Heart & Lung Transplant Service, The Alfred, Melbourne, VIC, Australia

(119) Preclinical Experience in Transplant with Lung Obtained from Non Heart Beating Donors
A. Varela,1 P. Gamez,1 J.R. Nuñez,2 F. Rio,2 J. Calatayud,2 1Cardiothoracic Surgery, Puerta de Hierro Hospital, Madrid, Madrid, Spain; 2Transplant Unit, Clinico San Carlos Hospital, Madrid, Madrid, Spain

(120) Successful Outcome in Lung Transplant Recipients Who Receive Organs from Donors with Rapid Onset Fatal Asthma
P.M.A. Hopkins,1 H. Luckraz,1 J. Wallwork,1 1Heart-Lung Transplant Unit, Papworth Hospital NHS Trust, Papworth, Cambridgeshire, United Kingdom

(121) Donor Intracranial Hemorrhage Is Associated with Graft Dysfunction and Poorer Survival Following Heart Transplantation
A.M. McNeill,1 A.S. Abdo,2 D.J. Cook,2 R.C. Starling,1 N.B. Ratliff,3 P.M. McCarthy,4 J.B. Young,1 M.H. Yamani,1 1Cardiology, Cleveland Clinic; 2Anatomic Pathology; 3Allograft Laboratory; 4Cardiovascular Thoracic Surgery, Cleveland Clinic, Cleveland, OH

(122) Reperfusion with Blood at 30 Deg C Improves Heart Function after Myocardial Ischemia/Reperfusion (I/R) Injury. Novel Mechanism to Enhance Donor Heart
D. Jayakar,1 U. Williams,1 V. Jeevanandam,1 1Cardiac Surgery, University of Chicago, Chicago, IL

(123) Sodium-Hydrogen Exchanger Inhibition Is Superior to Pharmacological Preconditioning for Extended Cardiac Allograft Preservation
J.B. Ryan,1,2 M. Hicks,1 J.R. Cropper,2 S.R. Garlick,1 S.H. Kesteven,1,2 M.K. Wilson,1 M.P. Feneley,1,2 P.S. Macdonald,1,2 1Heart & Lung Transplant Unit, St Vincents Hospital, Sydney, Australia; 2Heart & Lung Transplant Research Laboratory, Victor Chang Cardiac Research Institute, Sydney, Australia

(124) L-Arginine Improves Endothelial and Myocardial Function after Brain Death
G. Szabo,1 V. Buhmann,1 A. Graf,1 T.B. Andrasi,1 C.F. Vahl,1 S. Hagl,1 1Cardiac Surgery, University of Heidelberg, Heidelberg, BW, Germany

(125) Full Viability of the Myocardium after Twenty-Four Hour Organ Conservation
(126) The Efficacy of Partial Liquid Ventilation on Lung Protection during Hypotension and Cardiac Arrest
Y. Sekine, 1 S. Yoshida, 1 N. Shimozuka, 1 J. Sato, 1 K. Yasufuku, 1 Y. Sai toh, 1 T. Fujisawa, 1 Thoracic Surgery, Graduate School of Medicine, Chiba University, Chiba, Chiba, Japan

(127) Impact of Donor Smoking on Survival after Lung Transplantation
T.K. Waddell, 1 M. DePerrot, 1 A. Pierre, 1 S.H. Keshavjee, 1 L.B. Edwards, 2 Thoracic Surgery, Toronto General Hospital, Toronto, ON, Canada; 2UNOS/ISHLT Registry, UNOS, Richmond, VA

(128) Ischemic Reperfusion Injury to Donor Lung Endothelium Is Mediated through Gene Promoter NF-κB and Upstream IKK Kinase
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(129) Effect of Brain Death on Release of Brain and Atrium Natriuretic Peptides in an Animal Model
E.V. Potapov, 1 T. Blömer, 1 R. Michael, 2 M. Loebe, 3 C. Skrabal, 3 F. Hennig, 1 Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany; 2Nuclear Medicine, Humboldt University, Charite, Berlin, Germany; 3Michael E. DeBakey Department of Surgery, Division of Transplantation and Assist Devices, Baylor College of Medicine, Houston, TX

(130) Utility of the Natriuretic Peptides, ANP and BNP in the Diagnosis of Impaired Cardiac Function in Organ Donors
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(131) Short and Long Term Outcomes Using Marginal Pulmonary Allograft Donors
H. Luckraz, 1 P. White, 1 L.D. Sharples, 1 T.J. Guthrie, 1 Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; 2MRC Biostatistics Unit, Cambridge, United Kingdom

(132) Marginal Donors in Shortage Era: Impact on Recipient’s Long-Term Outcomes
A. Gambino, G. Feltrin, G. Gerosa, G. Nesseris, G. Tarantini, D. Casarotto, Cardiovascular Surgery, University Padua, Italy

(133) Lobectomy to Downsize Donor Lungs for Use in Small Recipients
C.L. Lau, 1 T.J. Guthrie, 1 M. Scavuzzo, 1 E.P. Trulock, 1 J.D. Cooper, 1 G.A. Patterson, 1 B.F. Meyers, 1 Department of Surgery/Division of Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO

(134) Donor Pretreatment Using the Aerosolized Prostacyclin Analogue Iloprost Optimizes Postischemic Function of Non Heart Beating Donor Lungs
T. Wittwer, 1 U.E.W. Franke, 1 T. Sandhaus, 1 A. Schuette, 1 S. Richter, 1 J.M. Albes, 1 T. Mueller, 1 H. Schubert, 1 T. Wahlers, 1 Thoracic and Vascular Surgery, Friedrich Schiller University, Jena, Germany

Immunosuppression

(135) C2 Targets and Multivariate Predictors of C2 Levels in Stable Heart Transplant Patients Immunosuppressed on a C0-Based Regimen
A.L.P. Calforio, 1 F. Tona, 1 S. Piacerico, 2 A. Gambino, 3 G. Feltrin, 3 A. Belloni Fortina, 2 A. Angelini, 3 A. Paserico, 2 G. Thiene, 3 S. Illiceto, 3 D. Casarotto, 3 Cardiology-Department Exp Clinical Medicine, University of Padua, Padua, PD, Italy; 2Dermatology, University of Padua, Padua, PD, Italy; 3Cardiac Surgery, University of Padua, Padua, PD, Italy; 4Cardiac Pathology, University of Padua, Padua, PD, Italy

(136) Rapamycin (SIROLIMUS) AUC Estimation in Heart Transplant Recipients with Chronic Renal Impairment
E.D. Moloney, 1 U. O’Mahoney, 2 M. Kirwan, 2 J. McCarthy, 2 J. Hurley, 2 A.E. Wood, 2 J.J. Egan, 2 Adult ICU, Royal Brompton and Harefield NHS Trust, London, United Kingdom; 2Heart Lung Transplant Programme, Mater Misericordiae Hospital, Dublin, Ireland

(137) Rapamycin-Based and Late FK506-Light Immunosuppression in Heart Transplant Recipients
B.P. Griffith, 1 S.M. Augustine, 1 C. Wade, 1 S.S. Gottlieb, 1 C. DeFilippi, 1 C. Drachenberg, 1 R. Poston, 1 J. Gammie, 1 J.M. Brown, 1 R.N. Pierson III, 1 Surgery and Medicine, U. Maryland, Baltimore, MD

(138) Prospective Short-Term Pilot Study of Sirolimus as an Induction of Immunosuppression in Heart Transplant Recipients
Sirolimus in Combination with Tacrolimus for Primary Immunosuppression after Orthotopic Heart Transplantation
M. Mueller, B. Meiser, J. Groetzner, I. Kaczmarek, F. Reisch, F. Schuster, P. Landwehr, P. Ueberfuhr, B. Reichart,
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Enhanced Clinical Utility of De Novo Cyclosporin C2 Monitoring after Lung Transplantation
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Optimal Immunosuppression Post Cardiac Transplantation: Clinical Outcomes of Long-Term Cyclosporine Monotherapy in a Large Patient Population
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Incidence of Non-Cellular (Humoral) Rejection Unchanged in the 1990 Decade Despite a Decrease in Cellular Rejection

New Combination of Immunosuppressive Therapy Decreases Acute Rejection in Lung Transplantation
S.M. Bhorade, J. Villanueva, A.M. Jordan, A. Yu, H. Kramer, J. Leischner, W.T. Vigneswaran, E.R. Garrity, Department of Pulmonary and Critical Care, Loyola University Medical Center, Maywood, IL, Department of Epidemiology and Preventive Medicine, Loyola University Medical Center, Maywood, IL, Department of Internal Medicine, Loyola University Medical Center, Maywood, IL, Department of Cardiothoracic Surgery, Loyola University Medical Center, Maywood, IL

Cyclosporin C2 Monitoring after Lung Transplantation (LT) in Cystic Fibrosis (CF) and Non CF Patients
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Activation of the Classic Complement Cascade Sequence in Patients Undergoing Lung Transplantation with and without Antithymocyte Globulin Induction: A Comparative Study
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Immunosuppressive Effects of FK506 Inhalant on Acute Rejection in Lung Transplantation
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Factors Influencing Mycophenolate Mofetil Drug Exposure in Thoracic Organ Transplant Recipients
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Ten Year Follow-Up of Recipients of a Kidney or Heart Transplant Who Received Induction Therapy with a Monoclonal Antibody Against the Interleukin-2 Receptor
M. Wabijn, A. Balk, R. van Domburg, P. Vantrimpont, I. van Riemsdijk, C. Baan, W. Weimar, T. van Gelder, Internal Medicine, Erasmus Medical Center, Rotterdam, Netherlands, Cardiology, Erasmus Medical Center, Rotterdam, Netherlands

Anti-CD25 Antibody (BASILIXIMAB) Therapy Is Not Superior to Anti-Thymocyte Globuline (ATG) for Immunosuppression Induction Following Heart Transplantation
S. Fischer, M. Strüber, B. Gohrbandt, A. Simon, C. Bara, A. Haverich, Hanover Thoracic Organ Transplant Program, Hanover Medical School, Hanover, NS, Germany
(150) Is Acute Rejection Primary in the Development of Obliterative Bronchiolitis? A Retrospective Study of Daclizumab and Thymoglobulin
S. Gerhardt, J.V. Conte,1 S.H. Allan,1 M.C. Borja,1 J.B. Orens,2 S.C. Yang,1 R.E. Girgis,2 D.D. Yuh,1 1Surgery, Johns Hopkins Medical Institutions, Baltimore, MD; 2Medicine, Johns Hopkins Medical Institutions, Baltimore, MD

(151) Azathioprine/Mycophenolate Conversion in the Management of Bronchiolitis Obliterans Syndrome (BOS) Following (HEART)-LUNG Transplantation
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(152) A Comparison of the Efficacy of Versus Intermittent Dosing of Rabbit Anti-Thymocyte Globulin (RATG) for Induction of Heart Transplant Recipients
P.L. Shimamoto,1 A.D. Barnes,1 L.M. Tanagi,1 1Pharmacy, University of Washington Medical Center, Seattle, WA

(153) Induction Therapy with Two Doses of Daclizumab in Heart Transplantation: A Prospective, Multi Centric Clinical Study. Interim Analysis
G. Rabago,1 N. Manito,2 L. Almenar,3 J.M. Arizón,4 E. Lage,5 J. Palomo,6 E. Roig,5 1Transplant Units from, Clínica Universitaria de Navarra; 2Hospital Belvitge; 3Hospital La Fe; 4Hospital Reina Sofia; 5Hospital Virgen del Rocio; 6Hospital Gregorio Marañón; 1Hospital Clinic, Spain

(154) Pre-Emptive Use of Oral Valgancyclovir in Cardiac Recipients
E. Devyatko,1 A. Zuckermann,1 M. Ruzicka,1 A. Bohdjalian,1 G. Wieselthaler,1 M. Grimm,1 1Department of Cardio-Thoracic Surgery, University Clinic of Vienna, Vienna, Austria

(155) Cyclosporin 2-Hr Post Dose Monitoring: A Potentially Valuable Tool for Optimising Immunosuppression after Heart Transplantation
S. Datta,1 J. Hassan,1 A. Machaal,1 R. Martyszczuk,1 A.K. Deiraniya,1 N. Yonan,1 1Cardiothoracic Transplant Unit, Wythenshawe Hospital, Manchester, United Kingdom

New Alternative Therapies to Transplantation

(156) Stem Cells Mobilization Treatment Removing Severe Congestive Heart Failure Patients from Heart Transplantation Indication- Preliminary Results
E.A. Bocchi,1 G. Guimarães,1 F. Bacal,1 A. Mendroni,1 D. Chamone,1 V. Issa,1 A.E. Filho,1 M.C. Resende,1 G. Bellotti,1 J.F. Ramires,1 1Heart Institute (InCor), University of São Paulo Medical School, São Paulo, SP, Brazil

(157) Bone Marrow Mononuclear Cell Transplantation Improved Cardiac Function of Rat Doxorubicin-Induced Cardiomyopathy Model
M. Ishida,1 S. Tomita,1 T. Nakatani,2 S. Fukuhara,4 N. Nagaya,2 M. Hamamoto,1 Y. Ohtsu,2 C. Yutani,4 T. Yagihiara,1 K. Yamada,2 S. Kitamura,1 1Cardiovascular Surgery, National Cardiovascular Center, Suita, Osaka, Japan; 2Regenerative Medicine and Tissue Engineering; 3Organ Transplantation; 4Pathology; 1Cardiology

(158) Migration of Mesenchymal Progenitors to Heart Allograft: Evidence for Active Participation of Mesenchymal Stem Cells in Tissue Repair and Inadvertisent Attribution to Graft Fibrosis
G.D. Wu,1 J.A. Nolta,2 Y.-S. Jin,1 M.L. Barr,1 V.A. Starnes,1 D.V. Cramer,1 1Cardiothoracic Surgery, Childrens Hospital Los Angeles, Los Angeles, CA; 2Department of Internal Medicine, Division of Oncology, Washington University School of Medicine, St. Louis, MO

(159) Human Umbilical Cord Cells for Tissue Engineering of Trileaflet Heart Valves
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(160) Differentiation of Human Bone Marrow Mesenchymal Stem Cells into Airway Epithelia
V.G. Valentine,1 J.K. Kolls,7 D.C. Bertucci,2 P.M. McFadden,1 S.P. Kantrow,1,2 L. Seoane,1 B.A. Bunnell,2 D.J. Prockop,2 G. Wang,2 1Lung Transplantation, Ochsner Clinic Foundation, New Orleans, LA; 2Medicine, LSU Health Sciences Center, New Orleans, LA

(161) Efficiency of Retrograde Intracoronary Infusion for Cell Transplantation to the Heart
K. Suzuki,1 B. Murtuza,1 R.T. Smolenski,1 M.H. Yacoub,1 1Heart Science Centre, Harefield Hospital, Harefield, Middlesex, United Kingdom
Nursing/Health Economics

(162) Depression and Neurocognitive Deficits Are Common Comorbid Conditions in Ambulatory Heart Failure Patients
J. Romanelli,1 M.T. Allen,1 R.C. Plotkin,2 W.H. Shull, Jr.,2 A. Kao,3 Medicine, University of Pennsylvania, Philadelphia, PA; 2Rehabilitation Medicine, University of Pennsylvania, Philadelphia, PA

(163) Functional Recovery of Heart Failure Patients in Cardiogenic Shock Treated with Paracorporeal Biventricular Support
C.N. Vogel,1 B.L. Coleman,2 L.J. Ernst,1 T. Kleisli,2 K.E. Magliato,1 Rehabilitation Medicine, Cedars-Sinai Medical Center, Los Angeles, CA; 1Cardiothoracic Surgery, Cedars-Sinai Medical Center, Los Angeles, CA

(164) How to Improve Organ Donation: The Results of the ISHLT/Fact Poll
A.R. Kherani,1 M.C. Oz,1 A. Rowe,2 L. Roels,3 C.W. Crandall,4 L. Tomatis,5 J.B. Young,6 Surgery, Columbia University, College of Physicians & Surgeons, New York, NY; 2International Society for Heart and Lung Transplantation, Addison, TX; 3Donor Action Foundation, Linden, Belgium; 4Palm Beach Cardiovascular, West Palm Beach, FL; 5Medical Affairs, Richard M. DeVos Family, Grand Rapids, MI; 6Cardiology, Cleveland Clinic Foundation, Cleveland, OH

(165) Patient Adherence at 5 to 6 Years after Heart Transplantation
A.J. Bellg,1 K.L. Grady,2 D.C. Naftel,3 B. Rybarczyk,2 J. Young,4 D. Pelegrin,4 K. Patton-Schroeder,4 J. Kobashigawa,2 J. Chait,5 J. Kirklin,6 C. White-Williams,7 A. Hesoux,8 W. Piccione, Jr.,2 Cardiology, Appleton Heart Institute, Appleton, WI; 2Medicine, Rush University, Chicago, IL; 3Cardiothoracic Surgery, University of Alabama, Birmingham, AL; 4Cardiology, Cleveland Clinic Foundation, Cleveland, OH; 5Cardiothoracic Transplant, University of California, Los Angeles, CA

(166) Compliance Behaviors of Elderly Patients with Advanced Heart Failure
L.S. Evangelista,1 L.V. Doering,1 K. Dracup,2 M.A. Hamilton,3 G.C. Fonarow,3 School of Nursing, University of California, Los Angeles, Los Angeles, CA; 1School of Nursing, San Francisco, San Francisco, CA; 2School of Medicine, University of California, Los Angeles, Los Angeles, CA

(167) Health Related Quality of Life of Elderly Patients with End-Stage Heart Failure
L.V. Doering,1 L.S. Evangelista,1 K. Dracup,2 M.A. Hamilton,3 G.C. Fonarow,3 School of Nursing, University of California, Los Angeles, Los Angeles, CA; 1School of Nursing, San Francisco, San Francisco, CA; 2School of Medicine, University of California, Los Angeles, Los Angeles, CA

(168) Differential Vulnerability to Psychiatric Distress after Lung Vs. Heart Transplantation
M.A. Dew,1 R.L. Kormos,2 A.F. DiMartini,1 J.M. Goycoolea,1 J.D. Manzetti,2 K.R. McCurry,2 Psychiatry, University of Pittsburgh; 1School of Medicine, University of Pittsburgh, School of Medicine & Medical Center, Pittsburgh

(169) Risk/Benefit-Based Lung Allocation Algorithms
S. Murray,1 J. Yu,1 R.A. Wolfe,1 R. Merion,2 K. McCullough,2 R. Bustami,2 T. Egan,3 F. Grover,3 SRTR, URREA, Ann Arbor, MI; 1University of Michigan, Ann Arbor, MI; 1U North Carolina, Chapel Hill, NC; 2U Colorado, Denver, CO

(170) Profiling the Nonadherent Adolescent Heart Transplant Recipient
M.H. Freeman,1 J.A. Moliterno,2 K.L. Harker,3 D.A. Kahler,4 F.J. Fricker,5 K.O. Schowengerdt,5 S. Skoda-Smith,6 Patient and Family Resources, Shands Hospital at the University of Florida, Gainesville, FL; 2Student, University of Florida, Gainesville, FL; 3Student, University of Florida, Gainesville, FL; 4Pharmacy, Shands at the University of Florida, Gainesville, FL; 5Pediatric Cardiology, University of Florida, Gainesville, FL; 6Pediatric Immunology and Infectious Disease, University of Florida, Gainesville, FL

(171) Quality of Life and Left Ventricular Assist Devices: Differences between Implanted, Explanted and Transplanted Patients
C.N. Hallas,1 J.C. Wray,1 A. Sanchez,3 C. Bowles,3 N.R. Banner,1 Transplant Medicine, Harefield Hospital, Harefield, Middlesex, United Kingdom

(172) Do Older Heart Transplant Recipients Have a Normal Quality of Life?
A. Kao,1 M.T. Allen,1 M. Jessup,1 Medicine, University of Pennsylvania, Philadelphia, PA

(173) Resource Implications of ECMO as a Bridge to Pediatric Heart Transplant
P. Whitmore,7 S. Nelligan,1 A. Goldman,1 M.E. Jones,1 M. Burch,3 Cardiothoracic Services (CRACC), Great Ormond Street Hospital for Children, London, England, United Kingdom

(174) Aspects of Adherence to the Treatment Regimen Following Heart or Heart-Lung Transplantation in Young People
(175) A Community-Based Weight Management Program for Cardiac Transplant Recipients: Results of a Pilot Study
J.J. Salyer, 1 M.P. Flattery, 1 P.L. Joyner, 1 R.K. Elswick, 1 Adult Health Nursing, Virginia Commonwealth University School of Nursing, Richmond, VA; 2Cardiothoracic Nursing, Medical College of Virginia Hospitals of Virginia Commonwealth University, Richmond, VA; 3Nursing, McGuire Veterans Administration Medical Center, Richmond, VA; 4Biostatistics, Virginia Commonwealth University School of Medicine, Richmond, VA

(176) LVAD Driveline Infections in the Modern Era: Incidence Risk Factors and Strategies for Reduction
E.A. Stanford, 1 L.J. Carozza, 1 S. Winowich, 1 J.S. Sapirstein, 1 L.L. Shears, 3 R.L. Kormos, 1 Department of Surgery, University of Pittsburgh, Pittsburgh, PA

(177) Adherence to Self-Monitoring Protocols after Lung Transplant
J.B. Rea, 1 C.M. Lawrence, 1 J.W. Curl, 1 K.G. Setliff, 1 R.D. Davis, 2 S.M. Palmer, 3 Advanced Practice Nursing, Duke University Health System, Durham, NC; 2Cardiothoracic Surgery, Duke University Health System, Durham, NC; 3Pulmonary and Critical Care Medicine, Duke University Health System, Durham, NC

(178) What Contributes to Emotional Distress in Female Heart Transplant Recipients?
I. Gerard, 1 L.V. Doering, 1 L. Evangelista, 1 K. Dracup, 2 J. Kobashigawa, 3 School of Nursing, University of California Los Angeles, Los Angeles, CA; 2School of Nursing, University of California San Francisco, San Francisco, CA; 3School of Medicine, University of California Los Angeles, Los Angeles, CA

(179) Rapid Assessment of Quality of Life in Patients with Advanced Heart Failure
B.L. Baird, 1 A.W. Velleca, 1 V.S. Erickson, 1 M.A. Woo, 1 J.K. Patel, 1 M.A. Hamilton, 1 J.A. Kobashigawa, 1 K.A. Dracup, 2 1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; 2UCSF School of Nursing, San Francisco, CA

Pediatrics

(180) Neutrophil Defensin Concentrations in Pediatric Lung Transplant Recipients
A. Faro, 1 L.T. Spencer, 1 G.A. Visner, 2 M. Brantley, 2 Pediatrics, University of Florida, Gainesville, FL; 2Medicine, University of Florida, Gainesville, FL

(181) Hypogammaglobulinemia in Pediatric Lung Transplant Recipients Is Associated with Increase Mortality
M.T. De la Morena, 1 S. Pradhan, 1 S.C. Sweet, 1 P.M. Schuler, 1 E.N. Mendeloff, 2 C.B. Huddleston, 3 Pediatrics, Washington University School of Medicine, St. Louis, MO, British Virgin Islands; 2Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO

(182) Impact of Donor Characteristics in Pediatric Heart Transplant Recipients
J.M. Lamour, 1 L.J. Addonizio, 1 S. Mital, 3 A. Wiesen, 1 D.T. Hsu, 1 Pediatric Cardiology, Columbia University, New York, NY

(183) Coronary Ectasia in Pediatric Heart Transplant Recipients
B.D. Kaufman, 1 D.T. Hsu, 1 J.M. Lamour, 1 L.J. Addonizio, 1 Pediatrics, College of Physicians and Surgeons, Columbia University, New York, NY

(184) Mycophenolate Mofetil Dose and Serum Level Correlation in Young Cardiac Transplant Patients
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(185) Mycophenolate Mofetil: Clinical Applications and Pharmacokinetic Monitoring in Pediatric Heart Transplant Recipients
A.I. Dipchand, 1 B.W. McCrindle, 1 L.J. West, 1 Cardiology, Hospital for Sick Children, Toronto, ON, Canada

(186) PTLD in a Pediatric Heart Transplant Cohort Is Not Associated with Traditional Risk Factors
E. Pahl, 1 S.E. Crawford, 1 B.Z. Katz, 1 M.C. Kostyk, 1 E. Morgan, 1 C. Mavroudis, 1 C.L. Backer, 1 Children’s Memorial Hospital, Northwestern University Feinberg School of Medicine, Chicago, IL

(187) Airborne Transfer of Pediatric Patients on Extracorporeal Membrane Oxygenator Support
W.P. Fiser, 1, 2 J.J. Drummond-Webb, 1, 2 M.I. Schmitz, 1, 2 S. Ullah, 1, 2 S.H. Van Derbanter, 1, 2 C.W. Chipman, 1 L.L. Baker, 1 A.T. Yetman, 1, 2 Pediatric and Congenital Cardiac Surgery, Arkansas Children’s Hospital, Little Rock, AR; 2Department of Surgery, Division of Cardiothoracic Surgery, University of Arkansas for Medical Sciences, Little Rock, AR
(188) Tolerability of Carvedilol in Children with Severe Heart Failure Referred to a Transplantation Centre
K.A. Ford,1 A. McMahon,1 P.G. Rees,1 M. Burch,1 1Pharmacy and Cardiology, Great Ormond Street Hospital for Children, London, United Kingdom

(189) Carvedilol in Children with Cardiomyopathy: 2 Years Follow Up in a Single Institution
P. Rusconi,1 O. Gómez-Marin,1 M. Rossique-González,1 J.R. Marin,1 M. Lon-Young,1 G.S. Wolff,1 1Pediatrics, University of Miami School of Medicine, Miami, FL; 2Pharmacy, Jackson Memorial Hospital, Miami, FL

(190) Geometric Disproportion of Cardiac Structures Affects Atrioventricular Valve Insufficiency in Neonatal Cardiac Transplant
M. Asano,1 L.L. Bailey,2 R.E. Chinnock,2 1Cardiovascular Surgery, Nagoya City University, Japan; 2Surgery and Pediatrics, Loma Linda University, CA

(191) Renal Growth after Cardiac Transplantation in Infants
A.E. Tsirka,1 B.M. Chavers,1 L. Kaeter,1 C.E. Canter,2 E.A. Braunlin,1 1Pediatrics, Fairview University Hospital- University of Minnesota, Minneapolis, MN; 2Pediatrics, St Louis Children’s Hospital- Washington University, St Louis, MO

(192) Normalization of Left Ventricular Size and Systolic Function after Diagnosis of Pediatric Dilated Cardiomyopathy
A.E. Tsirka,1 S.A. Mandel,2 S.C. Chen,3 S.E. Lipshultz,2 A.W. Strauss,3 C.E. Canter,6 1Pediatrics, University of Minnesota, Minneapolis, MN; 2Biostatistics, Washington University, St. Louis, MO; 3Pediatrics, St Louis University, St. Louis, MO; 4Pediatrics, University of Rochester, Rochester, NY; 5Pediatrics, Vanderbilt University, Nashville, TN; 6Pediatrics, Washington University, St. Louis, MO

Pathology

(193) Changes in the Coronary Artery Adventitial Microvascular Density May be Involved in the Pathogenesis of Coronary Artery Vasculopathy
C. Atkinson,1 S.C. Charman,3 H. Luckraz,2 S. Rhind-Tutt,1 J. Wallwork,2 M. Goddard,1 1Pathology Department, Papworth Hospital, Cambridge, Cambridgeshire, United Kingdom; 2Department of Surgery, Papworth Hospital, Cambridge, Cambridgeshire, United Kingdom; 3MRC Biostatistics Unit, MRC, Cambridge, Cambridgeshire, United Kingdom

(194) Late Cardiac Allograft Rejection ISHLT Grade 3A Resolves Spontaneously and Is Not Subject to an ERA Effect
R. Klingenberg, 1 A. Koch,2 Ph.A. Schnabel,2 F.U. Sack,2 A. Remppis,1 T.J. Dengler,1 1Cardiology/Heart Transplant Center, University Hospital Heidelberg, Heidelberg, Germany; 2Cardiothoracic Surgery, University Hospital Heidelberg, Heidelberg, Germany; 3Pathology, University Hospital Heidelberg, Heidelberg, Germany

(195) iNOS and Peroxynitrite Formation during Acute Rejection after Human Heart Transplantation
E.J. Birks,1 M.H. Yacoub,1 A.E. Bishop,3 M. Burke,1 A. Khaghani,1 J.M. Polak,2 N.R. Banner,1 1Harefield Research Foundation, RBH Trust, Harefield, Middlesex, United Kingdom; 2Histochemistry, Chelsea & Westminster Hospital, London, United Kingdom

(196) Assessment of the Phenotypic Profile and T Cell Clonality in Biopsies of Lung Allograft Rejection
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(197) Cardiac Pathology in Porcine to Primate Heterotopic Xenografts (XG) Functioning for >60 Days
H.D. Tazelaar,1 R.P. Frantz,1 L.J. Olson,1 R.C. Walker,1 S.S. Teotia,1 J.M. Risdahl,2 G.W. Byrne,2 J.S. Logan,2 C.G. McGregor,1 1Transplant Center, Mayo Clinic, Rochester, MN; 2Nextran, Princeton, NJ

(198) Autopsy Pathology (AP) in Primate Recipients of Heterotopic Xenografts (XG) Functioning for >60 Days
H.D. Tazelaar,1 R.P. Frantz,1 L.J. Olson,1 R.C. Walker,1 S.S. Teotia,1 J.M. Risdahl,2 G.W. Byrne,2 J.S. Logan,2 C.G. McGregor,1 1Transplant Center, Mayo Clinic, Rochester, MN; 2Nextran, Princeton, NJ

(199) Localization of TGF-β1 and Type II Receptor in End Stage Emphysema of Lung Transplanted Patients
E. Calabrese,1 B. Beghè,2 F. Rea,3 F. Campigotto,2 M. Loy,1 G. Turato,1 S. Baraldo,2 M. Saetta,2 G. Thiene,1 M. Valente,1 1Department of Pathology, University of Padova, Padova, Italy; 2Department of Experimental Medicine, University of Padova, Padova, Italy; 3Department of Thoracic Surgery, University of Padova, Padova, Italy

(200) Causes of Death after Heart Transplantation and Risk Factor Analysis
A. Angelini,1 D. Calzolari,2 A.L.P. Cafferio,3 S. Piaserico,3 A. Gambino,4 A. Belloni Fortina,3 F. Tona,2 S. Iliceto,2 D. Casarotto,4 G. Thiene,1 1Cardiac Pathology, University of Padua, Padua, PD, Italy; 2Cardiology, Department Exp Clinical Medicine,
(201) Yield of Surveillance and Diagnostic Transbronchial Lung Biopsies (TBB) Performed Beyond One Year after Lung Transplantation
R. Wennström,1 C. Kjellström,2 G. Mårtensson,3 H. Scherstén,1 F. Nilsson,1 1Department of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden; 2Department of Pathology; 3Department of Pulmonary Medicine, Sahlgrenska University Hospital, Gothenburg, Sweden

(202) Scoring of 2,788 Endomyocardial Biopsies Correlate Rejection to the Development of Transplant Coronary Artery Disease after Heart Transplantation
M. Espojo Vassilakis,1 J.A. Kobashigawa,1 S. Subherwal,1 M.C. Fishbein,3 J.K. Patel,1 J. Moriguchi,1 S. Go,1 P. Almeda,1 H. Laks,2 1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Cardiothoracic Surgery, The David Geffen School of Medicine at UCLA, Los Angeles, CA; 3Pathology, The David Geffen School of Medicine at UCLA, Los Angeles, CA

(203) De Novo Alveolar Proteinosis in Lung Transplant Recipients
R. Bag,1,2,3 P.T. Cagle,1,2 T. Allen,1 J. Abrams,1 A.E. Frost,1,2 1Pulmonary and Critical Care Medicine, Baylor College of Medicine, Houston, TX; 2The Methodist Hospital, Houston, TX; 3St. Luke’s Episcopal Hospital, Houston, TX

(204) Diagnostic Value and Safety of Endomyocardial Biopsy in Selected Patients with Heart Failure
W.O. Howe, J.C. Mendez, K. Malinowska, B.A. Pisani, R.C. Lichtenberg, G.M. Mullen, Advanced Heart Failure/Heart Transplant Program, Loyola University Health System, Maywood, IL

GENERAL POSTER SESSION 1
(Gardehalle 1)
FRIDAY, APRIL 11, 2003
5:30 pm – 6:30 pm

Clinical Heart Transplantation

(277) Survival Benefit of Heart Transplantation in High Risk Donors and Recipients
H. Luckraz,1 S.C. Charman,2 L. Sharples,2 J. Wallwork,2 J. Parameshwar,1 S.R. Large,1 1Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; 2MRC Biostatistics Unit, Cambridge, United Kingdom

(278) Interleukin-6 and Risk of Coronary Artery Disease and Graft Failure in Heart Transplant Recipients
C.A. Labarrere,1 J.B. Lee,1 S.J. Miller,1 R.A. Siddiqui,1 E.J. Brizendine,2 D.E. Pitts,1 D.A. Hornmuth,3 M.C. Deng,1 1Methodist Research Institute, Clarian Health Partners, Inc., Indianapolis, IN; 2Division of Biostatistics, Indiana University School of Medicine, Indianapolis, IN; 3Clarian Health Transplant Center, Clarian Health Partners, Inc., Indianapolis, IN; 4Heart Failure Center Department of Medicine, Columbus University College of Physicians and Surgeons, New York, NY

(279) Unexpected Role for HO-1 in the Clinical Heart Transplant Setting
C. Holweg,1 A. Balk,2 A. Maat,3 W. Weimar,1 C. Baan,1 1Internal Medicine, Erasmus MC, Rotterdam, Netherlands; 2Cardiology; 3Thoracic Surgery, Netherlands

(280) Is Low Frequency of Donor Specific Interleukin 10 (IL10) Producing Cells in Peripheral Blood (PB) of Heart Transplant Recipients Related to Graft Rejection?
E. Paschetto,1 F. Meloni,1 C. Pellegrini,2 A. Marone Bianco,1 A.M. D. Armini,2 M. Morosini,1 A. Fietta,1 M. Viganò,2 1Department Haemat. Pneumol. Sciences, University, Pavia, Italy; 2Cardiac Surgery Division, University-Hospital S. Matteo, Pavia, Italy

(281) Brain Natriuretic Peptide Predicts Rejection in Heart Transplant Recipients Independent of Pulmonary Capillary Wedge Pressure
A.H. Wu,1 K.D. Aarons,1 D.B. Dyke,1 T.M. Koelling,1 1Department of Internal Medicine, University of Michigan, Ann Arbor, MI

(282) Cardiac Angiotensin II Receptors Predict Allograft Vasculopathy in Heart Transplant Recipients
A. McNeil, M. Youssufuddin, R.C. Sterling, E.M. Tuzcu, S. Haji, N.B. Ratliff, D.J. Cooke, A. Abdo, P.M. McCarthy, J.B. Young, M.H. Yamani, Kaufman Center for Heart Failure, Cleveland Clinic Foundation, Cleveland, OH
(283) Preservation in Microvascular Endothelial Function Despite Epicardial Endothelial Dysfunction in Cardiac Transplant Recipients
S.S. Kushwaha,1 S. Higano,1 P. Chareonthaitawee,1 A. Lerman,1 Cardiovascular Diseases, Mayo Clinic, Rochester, MN
(284) Which Heart Transplant Recipients Are Likely to Survive More Than 10 Years?
J. Segovia,1 L. Alonso-Pulpon,1 P. Ortiz,1 R. Peraira,1 E. Castedo,1 R. Burgos,1 A. Cañas,1 J. Jimenez-Mazuecos,1 L. Silva,1 J. Ugarte,1 Cardiovascular Medicine, Erasmus M.C., Rotterdam; Thoracic Surgery, University Clinic of Vienna, Vienna, Austria
(285) Comparison of Survival by Allocation to Medical Therapy, Surgery or Heart Transplantation for Ischaemic Advanced Heart Failure
E. Lim,1 Z. Ali,1 A. Ali,1 R. Motalleb-Zadeh,1 C. Jackson,2 S.L. Ong,1 J. Halstead,1 L. Sharple,2 J. Parameshwar,1 J. Wallwork,1 S.R. Large,1 Transplant Unit, Papworth Hospital, Cambridge, United Kingdom; Biostatistics Unit, Medical Research Council, Cambridge, United Kingdom
(286) Therapy of Erectile Dysfunction by Sildenafil (Viagra) in Patients after Orthotopic Heart Transplantation
K.W. Deyerling,1 G. Tenderich,1 U. Schulz,1 K. Minami,1 R. Koerfer,1 Thoracic and Cardiovascular Surgery, Heart Center North Rhine-Westphalia, Bad Oeynhausen, NRW, Germany
(287) Economic Evaluation of Everolimus Vs. Azathioprine as Part of Triple Immunosuppressive Therapy in a Phase III de novo Heart Transplant Trial
J.I. Radeva,1 S.D. Reed,1 Z. Kalo,2 H. Pallos,2 T.L. Kauf,1 K.A. Schulman,1 Center for Clinical and Genetic Economics, Duke Clinical Research Institute, Durham, NC; Novartis Pharma AG, Basel, Switzerland
(288) Idiopathic Dilated Cardiomyopathy a Major Predisposing Factor for Early Rejection: Relevance to Outcome
R.S. Warraich,1 A. Pomerance,1 A. Khaghi,2 N.R. Banner,1 Cardiothoracic Surgery and Transplant Medicine, National Heart and Lung Institute of Imperial College School of Medicine, Harefield Hospital, Middlesex, United Kingdom
(289) Identifying Optimal Heart Failure Patients for Forced Titration of Vasodilator Therapy Despite "Low" Initial Systolic Blood Pressures: A Cardiac Bioimpedance Study
M.T. Saltzberg,1 N.J. Schwabauer,1 Heart Failure Program, Midwest Heart Specialists, Downers Grove, IL
(290) The Direct and Indirect Allogeneic Presentation Pathway during Acute Rejection after Human Cardiac Transplantation
N.M. van Besouw,1 M. van Vliet,1 A.H.M.M. Balk,2 P.H. van der Meide,3 W. Weimar,1 Internal Medicine - Transplantation, Erasmus MC, Rotterdam, Netherlands; Cardiology, Erasmus MC, Rotterdam, Netherlands; Cytokine Biology Unit - CLAI, Utrecht University, Utrecht, Netherlands
(291) Effectivity of a T-Cell Adapted Induction-Therapy with Antithymocyte Globuline (ATG) Sangstadr
A. Koch,1 V. Daniel,1 T.J. Dengler,2 S. Hagi,1 F.U. Sack,1 Heart Surgery, University of Heidelberg, Heidelberg, Germany; Department of Cardiology, University of Heidelberg, Heidelberg, Germany; Department of Immunology, University of Heidelberg, Heidelberg, Germany
(292) Incidence and Outcome of Malignancies in Patients after Heart Transplantation
M. Ruzicka,1 E. Devyatko,1 A. Zuckermann,1 A. Bohdjalian,1 D. Dunkler,1 K. Uenal,1 G. Wieselthaler,1 M. Grimm,1 Cardio-Thoracic Surgery, University of Vienna, Vienna, Austria
(293) Heart Transplant in Recipients Older Than 60 Years. Insights after More Than 10 Years of Follow-Up
J. Segovia,1 L. Alonso-Pulpon,1 P. Ortiz,1 R. Peraira,1 R. Fuentes,1 R. Burgos,1 A. Cañas,1 L. Silva,1 J. Ugarte,1 Cardiovascular Medicine, Erasmus M.C., Rotterdam; Thoracic Surgery, University Clinic of Vienna, Vienna, Austria
(294) Predictors and Outcomes of Acute Humoral Rejection Treated with Plasmapheresis in Heart Transplant Recipients
W.E. Uber,1 S.L. Padgett,1 A.B. VanBakel,2 A.J. Crumbley,3 D.S. Feldman,2 J.S. Ikonomidis,3 K.N. Simpson,1 N.L. Pereira,2 Pharmacy, MUSC, Charleston, SC; Cardiology, MUSC, Charleston, SC; Cardiothoracic Surgery, MUSC, Charleston, SC
(295) The Impact of Induction Therapy and the Donor Specific Crossmatch on Outcome after Heart Transplantation
E. Devyatko,1 A. Zuckermann,1 D. Dunkler,1 M. Ruzicka,1 A. Bohdjalian,1 G. Wieselthaler,1 M. Grimm,1 Department of Cardio-Thoracic Surgery, University Clinic of Vienna, Vienna, Austria
(296) Elevated CXCR4 Levels on Peripheral Blood T-Cells in Heart Transplantation Patients
P. Athanasopoulos,1 L.M.B. Vaessen,2 W. Weimar,2 A.H.M.M. Balk,2 A.P.W.M. Maat,1 A.J.J.C. Bogers,1 Cardiothoracic Surgery, Erasmus M.C., Rotterdam; Internal Medicine, Erasmus M.C., Rotterdam; Cardiology, Erasmus M.C., Rotterdam, Netherlands
(297) Impact of BMI on Long-Term Survival after Heart Transplantation
H.J. Eisen, S.A. Gowda, D. Beltramo, J. Manacchio, J.P. Gaughan, Advanced Heart Failure and Transplant Center, Temple University School of Medicine, Philadelphia, PA

(298) The Change of Ultrasonic Tissue Characterization with Integrated Backscatter Is a Significant Marker To Diagnose Cardiac Allograft Vasculopathy
S. Numoda, S. Onuma, K. Shitakura, M. Shinagawa, Y. Kubo, N. Hotta, K. Ohtsuka, S. Ohkawa, Department of Medicine, Tokyo Women's Medical University, Daini Hospital, Tokyo, Japan

(299) Impact of Post-Transplant Antibody in a Re-Examination of Humoral Rejection Diagnosis
S.K. Takemoto, A. Gelbard, G.W. Yuan, M.E. Vassilakis, P.J. Michaels, D.W. Gjertson, M.C. Fishbein, E.F. Reed, J.A. Kobashigawa, Pathology and Surgery, David Geffen School of Medicine, UCLA, Los Angeles, CA; Tulane University, LA; Stanford University, Palo Alto, CA; Cardiology, David Geffen School of Medicine, UCLA, Los Angeles, CA; Pathology, Massachusetts General Hospital, Boston, MA; Immunogenetics Center, David Geffen School of Medicine, UCLA, Los Angeles, CA; Surgical Pathology, David Geffen School of Medicine, UCLA, Los Angeles, CA

(300) Enhanced Immune Response in CMV D+/R- Heart Transplant Patients Receiving Combined CMV Prophylaxis
N.E. Bonaros, T. Watkins-Riedel, E. Wolner, G. Laufier, A.A. Kocher, Cardiac Surgery, University of Innsbruck, Innsbruck, Austria; Virology, University of Vienna, Vienna, Austria; Cardiothoracic Surgery, University of Vienna, Vienna, Austria

(301) Atrioventricular Orthotopic Heart Transplantation: Long Term Follow up of a Prospective Randomised Clinical Trial
P.C. Jansz, J.I. Ferguson, K.K. Dhital, J. Wallwork, S.R. Large, Transplant Unit, Papworth Hospital, Cambridge, Cambs, United Kingdom

(302) Tricuspid Regurgitation after Cardiac Transplantation: How Many Biopsies Are Too Many?
V. Nguyen, R. Cecere, M. Cantarovich, N. Giannetti, Heart Failure and Transplant Center, McGill University Health Center, Montreal, QC, Canada

(303) Myocardial Velcro Cell Velocity Patterns of Tissue Doppler Imaging in Pre-Terminal Heart Transplantation in Pediatric Patients
D.A. Fyfe, R. Lewis, W. Mahle, G. Wu, R.A. Vincent, K. Kanter, D. Ketcham, Non-Invasive Cardiology, Sibley Heart Center, Children's Healthcare of Atlanta, Atlanta, GA

(304) Clinical Predictors of Improvement in Ventricular Function in Non-Ischemic Dilated Cardiomyopathy
S. Ahmed, A.D. Sniderman, N. Giannetti, Cardiology, McGill University Health Center, Montreal, QC, Canada

(305) Equivalent Survival Despite Higher Risk Profile in African American Heart Transplant Recipients
D. Gupta, M. Macha, A.K. Singhal, J.B. McClurken, B.I. Goldman, J.P. Gaughan, H.J. Eisen, S. Furukawa, Department of Cardiovascular and Thoracic Surgery, Temple University School of Medicine, Philadelphia, PA; Department of Pathology, Temple University School of Medicine, Philadelphia, PA; Department of Physiology and Biostatistics, Temple University School of Medicine, Philadelphia, PA; Department of Cardiology, Temple University School of Medicine, Philadelphia, PA; Department of Pathology, Temple University School of Medicine, Philadelphia, PA

(306) Non-Invasive Monitoring of Acute Rejection in Heart Transplantation: A Reappraisal of Summated QRS Voltage Amplitude on ECG
A.L.P. Cafferio, G. Povolo, F. Tona, S. Piaserico, D. Calzolari, A. Belloni Fortina, A. Gambino, A. Angelini, A. Peserico, G. Thieme, D. Casarotto, S. Iliceto, Cardiology-Department Experimental Clinical Medicine, University of Padua, Padua, PD, Italy; Dermatology, University of Padua, Padua, PD, Italy; Cardiac Surgery, University of Padua, Padua, PD, Italy; Cardiac Pathology, University of Padua, Padua, PD, Italy

(307) Effect of Rapamycin on Anti-HLA Donor Antibody Formation in Patients with Transplant Coronary Artery Disease
S.P. Pinney, S. Itescu, E. Burke, N.M. Edwards, D.M. Mancini, Medicine, Columbia University, New York, NY; Surgery, Columbia University, New York, NY

(308) Statin Treatment Decreases QTC Interval Duration and Improves Survival in Heart Transplant Recipients
B. Vrtovec, A.P. Yazdanbakhsh, I. Stojanovic, C.D. Thomas, R. Radovancevic, B. Radovancevic, O.H. Frazier, Cardiopulmonary Transplantation, Texas Heart Institute, Houston, TX

(309) Impact of New Therapies on the Prevalence of Coronary Artery Disease in Heart Transplant Survivors: Stanford Experience
(310) Utility of B-Type Natriuretic Peptide in Cardiac Transplant Evaluation

S.-Z. Gao, 1 M. Perlroth, 1 S. Hunt, 1 J. Schroeder, 1 Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA

(311) Dobutamine Stress Echocardiography Is Predictive of Events after Heart Transplantation

G. Bhat, 2, 3 A. Jevans, 2 Division of Cardiology, University of Louisville, Louisville, KY; 3Heart Failure/Cardiac Transplant Center, Jewish Hospital, Louisville, KY

(312) Is the Alternate Waiting List Too High Risk? The Columbia-Presbyterian Experience

M.R. Mehra, 1 P.A. Uber, 1 C. Story, 1 R.L. Scott, 1 M.H. Park, 1 Cardiomyopathy and Heart Transplantation Center, Ochsner Clinic Foundation, New Orleans, LA

(313) Infectious Complications in Heart Transplantation Are Influenced by Ethnic Disparities in Immunoglobulin Expression

M.R. Mehra, 1 P.A. Uber, 1 C. Story, 1 R.L. Scott, 1 M.H. Park, 1 Cardiomyopathy and Heart Transplantation Center, Ochsner Clinic Foundation, New Orleans, LA

(314) Post-Operative Obesity and Cachexia Are Risk Factors for Post Heart Transplant Morbidity and Mortality: A Multi-Institutional Study of Post-Operative Weight Change

K.L. Grady, D.C. Naftel, S. Pamboukian, O.H. Frazier, P. Hauptman, J. Herre, G. Torre, H. Eisen, F. Smart, R.C. Bourge, for the Cardiac Transplant Research Database (CTRD), 1, 2 CTRD, University of Alabama at Birmingham, Birmingham, AL

(315) Microalbuminuria in Heart Transplant Patients: Association with the Development of Allograft Vasculopathy

M.A. Rockx, 1 S. Hachem, 1 J.A. Dearani, 1 Heart Transplant Team, 1 Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA

(316) To Induce or Not To Induce: Current Assessment of Perioperative Immunosuppression Practices and Outcome in Heart Transplantation

R. Higgins, D.C. Naftel, B. Rayburn, L. Wagoner, R. Oren, K. Aaronson, L. Miller, R. Rodeheffer, M. Flattery, R.C. Bourge, for the Cardiac Transplant Research Database (CTRD), 1, 2 CTRD, University of Alabama at Birmingham, Birmingham, AL

(317) Pre-Operative Renal Function and Outcomes Following Orthotopic Heart Transplantation

J.N.K. Odim, 1 J. Wheat, 1 A. Osugi, 1 M. Burch, 1 Cardiac Transplant Research Database (CTRD), 1, 2 CTRD, University of Alabama at Birmingham, Birmingham, AL

(318) Are We Listing the Right Children for Heart Transplant at the Right Time? Are We Improving?

J.J. O’Keefe, 1 S. Nelligan, 1 M. Elliott, 1 M. Burch, 1 Cardiac Transplant Research Database (CTRD), 1, 2 CTRD, University of Alabama at Birmingham, Birmingham, AL

(319) Does Statin Therapy Added to Calcium Channel Blocker Reduce Development of Transplant Coronary Artery Disease in Heart Transplant Survivors?

S.-Z. Gao, 1 S. Hunt, 1 M. Perlroth, 1 J. Schroeder, 1 Cardiovascular Medicine, Stanford University School of Medicine, Stanford, CA

(320) Presence of a Positive PRA Adversely Predicts Both Short and Long Term Survival Following Heart Transplantation

B.S. Edwards, 1 R.P. Frantz, 1 S.S. Kushwaha, 1 R.J. Rodeheffer, 1 J.M. Wagner, 1 T.M. Sundt, 1 S.B. Moore, 1 J.A. Dearani, 1 Cardiac Transplant Research Database (CTRD), 1, 2 CTRD, University of Alabama at Birmingham, Birmingham, AL

(321) Identification of MIP-1α and VE-Cadherin as Important Markers of Acute Rejection Following Human Heart Transplantation

A.S. Roussoulires, 1, 2 O. Raisky, 1 L. Chalabreysse, 4 G. Dureau, 3 C. Cerutti, 3 P. Boissonnat, 1 L. Sebbag, 1 J.-P. Gare, 1 J.-F. Obadia, 1 J. Ninet, 5 O. Bastien, 5 F. Thivolet-Bejui, 7 J.L. McGregor, 2 Department of Heart Transplantation, Hôpital Cardiologique Louis Pradel, Lyon, France; 3INSERM U331, Lyon, France; 4Department of Cardiac Surgery, Hôpital Cardiologique Louis Pradel, Lyon, France; 5Department of Pathology, Hôpital Cardiologique Louis Pradel, Lyon, France; 6Department of Physiology and Clinical Pharmacology, CNRS UMR 5014, Lyon, France

(322) Is Recrudescent Tobacco Exposure Following Heart Transplantation Associated with Expression of Atherothrombosis Risk Markers?
M.R. Mehra, P.A. Uber, D.D. Hicks, M.H. Park, R.L. Scott, Cardiomyopathy and Heart Transplantation Center, Ochsner Clinic Foundation, New Orleans, LA

(323) Implantable Cardioverter Defibrillators in Heart Transplant Patients at Risk for Sudden Death: Shocking News?  
G.A. Cogert, 1 K. Shivkumar, 1 J.K. Patel, 1 I. Weiner, 1 J. Moriguchi, 1 M. Espejo Vassilakis, 1 H. Laks, 2 J.A. Kobashigawa, 1 
1Cardiology, The David Geffen School of Medicine at UCLA, Los Angeles, CA; 2Cardiothoracic Surgery, The David Geffen School of Medicine at UCLA, Los Angeles, CA

(324) Cardiac Transplantation for the Treatment of Adults with Congenital Heart Disease: A Single Center Experience  
S.P. Pinney, 1 D.T. Hsu, 2 L.J. Addonizio, 2 M.S. Rosenbaum, 1 J.M. Chen, 3 J.M. Quaegebeur, 1 R.S. Mosca, 1 N.M. Edwards, 1 D.M. Mancini, 1 J.M. Lamour, 1 Cardiology, Columbia University; 2Pediatric Cardiology, Columbia University; 1Cardiothoracic Surgery, Columbia University, New York, NY

(325) Early Initiation of Aerobic and Resistance Training Improves Peak Aerobic Power, Leg-Press Maximal Strength and Distance Walked in Six Minutes in Recent Cardiac Transplant Recipients  
M. Haykowsky, 1 N. Eves, 1 L. Figuress, 1 M. Koller, 1 J. Burton, 2 W. Tymchak, 2 1Faculty of Rehabilitation Medicine, University of Alberta, Edmonton, AB, Canada; 2Division of Cardiology, University of Alberta, Edmonton, AB, Canada

Clinical Lung/Heart-Lung Transplantation

(326) The Right Ventricular Response to Pulmonary Hypertension Is Related to Left Ventricular Mass  
T. Saba, 1 J. Foster, 2 M. Cockburn, 2 M. Cowan, 2 A. Peacock, 1 1Scottish Pulmonary Vascular Unit, Western Infirmary, Glasgow, Lanarkshire, United Kingdom; 2Department of Radiology, Western Infirmary, Glasgow, Lanarkshire, United Kingdom

(327) Two-Year Experience with Continuous Subcutaneous Trepotinil (Prostacyclin Stable Analogue) in Severe Pulmonary Hypertension Treatment  
M.J. Ruiz-Cano, 1 J. Folch, 1 P. Escribano, 1 M.A. Gomez-Sanchez, 1 M. Lazaro, 1 J.F. Delgado, 1 L. Cea-Calvo, 2 R. Tello de Meneses, 1 C. Saenz de la Calzada, 1 1Cardiology, Hospital Doce de Octubre, Madrid, Spain

(328) Recovery of Chronic Renal Impairment with Sirolimus after Lung Transplantation  
F. Venuta, 1 E. Mercafade, 2 E.A. Rendina, 2 S. Quattrucci, 2 T. De Giacomo, 2 G. Chimino, 2 M. Ibrahim, 2 G.F. Coloni, 1 Thoracic Surgery, University of Rome "La Sapienza", Rome, Italy

(329) Multiple Combination Bactericidal Testing (MCBT) for Patients with Multiresistant Pseudomonas Aeruginosa Undergoing Lung Transplantation  
A.R. Scott, 1 J.M. Morton, 2 C. Harbour, 2 B. Rose, 2 M.A. Malouf, 1 A.R. Glanville, 1 1The Lung Transplant Unit, St Vincent’s Hospital, Sydney, NSW, Australia; 2The Infectious Diseases Department, Sydney University, Sydney, NSW, Australia

(330) How To Predict Forced Vital Capacity of the Recipient after Living-Donor Lobar Lung Transplantation  
H. Date, 1 M. Aoe, 1 Y. Sano, 1 I. Nagahiro, 1 A. Ando, 1 H. Matsubara, 2 K. Goto, 1 T. Todoraya, 2 N. Shimizu, 1 1Cancer and Thoracic Surgery, Okayama University Graduate School, Okayama, Japan; 2Cardiology, Okayama University Graduate School, Okayama, Japan; 2Anesthesiology and Reussitology, Okayama University Graduate School, Okayama, Japan; 1Cardiovascular Surgery, Okayama University Graduate School, Okayama, Japan

(331) Routine Cytodiagnosis Testing Is Unnecessary with Bronchoscopy Following Lung Transplantation  
T.J. Wanner, 1 S.G. Gerhardt, 2 M. Borja, 2 R.E. Girgis, 2 J.V. Conte, 3 S.C. Yang, 4 J.B. Orens, 2 1School of Medicine, The Johns Hopkins Hospital; 2Division of Pulmonary and Critical Care Medicine; 3Division of Cardiac Surgery; 4Division of Thoracic Surgery, The Johns Hopkins Hospital, Baltimore, MD

(332) Oxygen Consumption Predicts Outcomes in Lung Transplant Candidates with Pulmonary Fibrosis  
S.M. Kawut, 1 M.K. OShea, 3 M.N. Bartels, 1 J.R. Sonett, 2 S.M. Arcasoy, 1 1Division of Pulmonary, Allergy, and Critical Care, Columbia University College of Physicians and Surgeons, New York, NY; 2Division of Cardiothoracic Surgery, Columbia University College of Physicians and Surgeons, New York, NY; 3Department of Surgery, Columbia University College of Physicians and Surgeons, New York, NY; 4Department of Rehabilitation Medicine, Columbia University College of Physicians and Surgeons, New York, NY

(333) Multi-Organ Transplantation: Is There a Protective Effect Against Acute and Chronic Rejection?  
L. Pinderski, 1 J. Kirklin, 2 D. McGeiff, 2 R. Brown, 2 D. Naftel, 2 T. Smith, 2 R. Young, 1,3 R. Bourge, 1 J. Tallaj, 1,3 B. Rayburn, 1 R. Benza, 1 B. Foley, 1 G. Zorn, 2 K. Leon, 2 K. Wille, 1 M. Deierhoi, 2 J.F. George, 2 1Department of Medicine, University of Alabama at Birmingham, Birmingham, AL; 2Department of Surgery, University of Alabama at Birmingham, Birmingham, AL; 3Department of Medicine, Birmingham VA Medical Center, Birmingham, AL
(334) Accuracy of Exhaled Nitric Oxide (eNO) Measurements for the Diagnosis of Chronic Rejection (CR) after Lung Transplantation (LTX)  
G.M. Verleden, 1 L.J. Dupont, 1 M. Delcroix, 1 D.E. Van Raemdonck, 1 the Leuven Lung Transplant Group, 1 1Lung Transplantation Unit, University Hospital Gasthuisberg, Leuven, Belgium

(335) Lung Transplantation in Recipients with Previous Lung Volume Reduction Surgery  
C.L. Lan, 1 T.J. Guthrie, 1 C. Chaparro, 1 D. Hadjiliadis, 1 T. Waddell, 1 S. Keshavjee, 2 R.C. Fields, 3 M.F. Yeatman, 1 S.M. Palmer, 1 R.D. Davis, 1 J.D. Cooper, 1 E.P. Trulock, 1 G.A. Patterson, 1 B.F. Meyers, 1 Washington University Lung Transplant Program, Washington University School of Medicine, St. Louis, MO; 1Toronto Lung Transplant Program, Toronto General Hospital, Toronto, ON, Canada; 2Duke Lung Transplant Program, Duke University Medical Center, Durham, NC

(336) Long Term Results of the Domino Procedure from Cystic Fibrosis Live Donors  
D. Aravot, 1 K. Mcneal, 1 J. Dunning, 1 H.S. Tsui, 1 F. Wells, 1 S. Large, 1 J. Wallwork, 1 Heart-Lung Transplant Unit, Papworth Hospital, Cambridge, United Kingdom

(337) Role of CMV Antigenemia Directed Preemptive Therapy with Ganciclovir for the Prevention of CMV Disease at 6 Months in Lung Transplant Recipients  
S. Husain, 1 K.R. McCurry, 1 J.H. Dauber, 1 R. Zomak, 1 P. Williams, 1 S. Kusne, 1 Division of Infect Dis, University of Pitt Med Ctr, Pittsburgh, PA; 2Division of CT Surg; 3Division of Pulm Med, University of Pitt Med Ctr, Pittsburgh, PA

(338) Comparison of Quantitative PCR to Antigenemia for CMV Surveillance after Lung Transplantation  
B.C. Cahiil, 1,2 J.A. Crompton, 2 S. Parker, 2 C.A. Sullivan, 2 D. Hillyard, 2 D. Mohl, 3 J. Admirand, 3 S. Wood, 3 K. Carroll, 1,3 1Department of Medicine, University of Utah; 2Lung Transplant Program, University of Utah; 3ARUP, SLC, UT

(339) Therapy with Prostanoids and Transplantation in Patients with Primary Pulmonary Hypertension  
M. Dandel, 1 D. Kemper, 1 Y. Weng, 1 H.B. Lehmkuhl, 1 M. Hummel, 1 R. Hetzer, 1 Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum Berlin, Berlin, Germany

(340) Co-Localisation of MMP-9 (Gelatinase B) with Airway Neutrophils in Stable Lung Transplant Recipients - A Potential Role in the Bronchiolitis Obliterans Syndrome  
J.A. Forrest, 1 C. Ward, 1 G. Pritchard, 1 T.E. Cawston, 1 A.D. Rowan, 2 P.A. Corris, 1 Lung Biology and Transplantation, University of Newcastle and Freeman Hospital, Newcastle upon Tyne, United Kingdom; 2Department of Rheumatology, University of Newcastle, Newcastle upon Tyne, United Kingdom

(341) Antifungal Management after Lung Transplantation (TX): A Survey of 37 Transplant Centers  
S. Dummer, 1 N. Lazariashvili, 1 J. Barnes, 1 M. Ninan, 2 A. Milstone, 1 Medicine, Vanderbilt University, Nashville, TN; 2Surgery, Vanderbilt University, Nashville, TN

(342) Aerosolized Cyclosporine as an Alternative Immunosuppressant in Post Lung Transplant Lymphoproliferative Disease  
S. Gilbert, 1 A.T. Iacono, 1 W.F. Grgrurich, 1 J.H. Dauber, 1 B.A. Johnson, 1 T.E. Corcoran, 2 D.A. Smith, 1 J.G. Youssef, 2 C.A. Bermudez, 1 K.R. McCurry, 1 Surgery, University of Pittsburgh, Pittsburgh, PA; 2Pulmonary, Allergy, and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA

(343) Double Lung Transplantation Via Median Sternotomy and with Cardiopulmonary Bypass Is Safe and without Adverse Clinical Outcome  
K.K. Dhillon, 1 P.C. Jansz, 1 J.I. Ferguson, 1 J. Dunning, 1 J. Wallwork, 1 S.R. Large, 1 Transplant Unit, Papworth Hospital, Cambridge, Cambs, United Kingdom

(344) Health-Related Quality of Life Outcomes in Patients with Pulmonary Hypertension  
S. Shafazand, 1 M.K. Gould, 1,2 M.K. Goldstein, 1,2 M.A. Hlatky, 1 R.L. Doyle, 1 Department of Medicine, Stanford University, School of Medicine, Stanford, CA; 2Department of Medicine, VA Palo Alto Health Care System, Palo Alto, CA

(345) Oxygenation Improvement and Pulmonary Vasodilation with Nitric Oxide (NO) or Alprostadil Immediately after Lung Transplantation  
P. Bulpa, 1 D. Pranger, 1 J. Jamart, 2 M. Gonzalez, 1 E. Installe, 1 P. Evrard, 1 Intensive Care Medicine, Mont-Godinne University Hospital, Yvoir, Namur, Belgium; 2Department of Biostatistics, Mont-Godinne University Hospital, Yvoir, Namur, Belgium

(346) Increased Expression of CD40, B7-2, Interleukin-15 and Granzyme B in Bronchoalveolar Lavage Cells from Human Lung Transplant Recipients  
T. Mohanakumar, 1 R. Shi, 1 A. Jaramillo, 1 N. Stewart, 1 A. Aloush, 1 J. Yang, 1 E.P. Trulock, 2 M. Suthanthiran, 3 G.A. Patterson, 1 Department of Surgery, Washington University School of Medicine, St. Louis, MO; 2Department of Medicine, Washington
(347) Air Trapping in Heart-Lung Transplant Recipients: Variability of Anatomical Distribution and Extent on Sequential Expiratory Thin-Section CT
A.A. Bankier,1 A. Van Mullem,2 P. Scillia,1 V. De Maertelaer,4 P.A. Gevenois,3 M. Estenne,2 1Department of Radiology, University of Vienna, Vienna, Austria; 2Department of Chest Medicine, Erasme University Hospital, Brussels, Belgium; 3Department of Radiology, Erasme University Hospital, Brussels, Belgium; 4Institute of Interdisciplinary Research in Human and Molecular Biology, University of Brussels, Brussels, Belgium

(348) Specific Gene Expression Profile Associated with Ischemia-Reperfusion Injury during Lung Transplantation Identified by CDNA Microarray
M. Yamane,1 S.M. Quadri,1 L. Segall,1 A. Dutly,1 T.K. Waddell,1 M. Liu,1 S. Keshavjee,1 1Thoracic Surgery Research Laboratory, Toronto General Research Institute, Toronto, ON, Canada

(349) Prevalence of Gastro-Eosophageal Reflux Disease in Lung Transplant Candidates
E. D’Ovidio,1 T.K. Waddell, M. de Perrot, D. Hadjiliadis,1 L. Miller, G. Darling, A. Pierre, G. Darlington, S. Keshavjee, Toronto Lung Transplant Program, University of Toronto, Toronto, ON, Canada

(350) Cost Analysis of Universal Prophylaxis Versus Preemptive Therapy for Cytomegalovirus
J.A. Crompton,3 K. Carroll,1,4 C.A. Sullivan,3 S. Parker,1 S.V. Karwande,2 J. Stringham,2 D.A. Bull,2 B.C. Cahill,1,3 1Department of Medicine, University of Utah; 2Cardiothoracic Surgery, University of Utah; 3Lung Transplant Program, University of Utah; 4ARUP, Salt Lake City, UT

(351) Protective Mechanisms of Radical Scavengers Vitamins C&E in an In-Vivo Pig Model of Pulmonary Reperfusion Injury
F.M. Wagner,1 K. Ploetz,2 F. Schubert,2 A.T. Weber,2 S. Albrecht,3 H. Reichenspurner,1 S. Schueler,2 1CV-Surgery, University-Hospital Eppendorf, Hamburg, Germany; 2Cardiac Surgery, Cardiac Center, University of Dresden, Dresden, Germany; 3GYN & OB, University Hospital, Dresden, Dresden, Germany

(352) Perioperative Complications after Living-Donor Lobar Lung Transplantation
Y. Sano,1 H. Date,1 M. Aoe,1 I. Nagahiro,1 A. Andou,1 K. Goto,1 H. Matsubara,3 N. Shimizu,1 1Department of Cancer and Thoracic Surgery, Okayama University Graduate School of Medicine and Dentistry, Okayama, Okayama, Japan; 2Department of Anesthesiology and Resuscitology, Okayama University Graduate School of Medicine and Dentistry, Okayama, Okayama, Japan; 3Department of Cardiology, Okayama University Graduate School of Medicine and Dentistry, Okayama, Okayama, Japan

(353) Inflammatory Markers in BAL and Breath Condensate Early and Late after Lung Transplantation
M. Hofer,1 T. Rechsteiner,1 R. Naef,1 R. Speich,1 A. Boehler,1 1University Hospital Zurich, Division of Pulmonary Medicine and Lung Transplant Program, Zurich, ZH, Switzerland

(354) Reduced Size Lung Transplantation - Follow up on 27 Patients
G. Warnecke,1 J. Niedermeyer,1 B. Gohrbandt,1 S. Fischer,2 B. Lindenberg,1 A.R. Simon,1 A. Haverich,1 M. Strueber,1 1T&CV Surgery, Hannover Medical School, Hannover, Germany; 2Respiratory Medicine, Hannover Medical School, Hannover, Germany

(355) Lung Transplantation in Patients with Pulmonary Sarcoïdosis
N. Milman,1 M. Iversen,1 J. Carlsen,1 1Danish Lung Transplant Group, The Heart Centre, Department of Medicine B, Division of Lung Transplantation, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark

(356) Prolonged Non-Invasive Ventilatory Support Prior to Pulmonary Transplantation Does Not Affect Postoperative Outcome
H. Castle,1 P.M. Hopkins,1 L. Sharples,1 J. Wallwork,1 1Transplant Unit, Papworth Hospital, Papworth Everard, Cambs, United Kingdom

(357) Cardiopulmonary Bypass Does Not Increase the Morbidity Associated with Lung Transplantation for Chronic Obstructive Airway Disease
P.C. Jansz,1 J.I. Ferguson,1 K.K. Dhital,1 J. Dunning,1 J. Wallwork,1 S.R. Large,1 1Transplant Unit, Papworth Hospital, Cambridge, Cambs, United Kingdom

(358) Surveillance Bronchoscopy (SB) in Lung Transplant Recipients (LTR): Risk Versus Benefit?
(359) Survival of Lung Transplant Recipients with Cystic Fibrosis (CF) Harboring Panresistant Bacteria Other Than B. Cepacia, Compared to Patients Harboring Sensitive Bacteria
D. Hadjiliadis,1 M.P. Steele,2 C. Chaparro,1 L.G. Singer,1 R.H. Messier,2 T.K. Waddell,1 M.A. Hutcheon,1 R.D. Davis,2 D.E. Tullis,1 S.M. Palmer,2 S. Keshavjee,1 1Toronto Lung Transplant Program, University of Toronto, Toronto, ON, Canada; 2Duke University Lung Transplant Program, Duke University, Durham, NC; 2Toronto Adult Cystic Fibrosis Program, University of Toronto, Toronto, ON, Canada

(360) Lung Transplant Recipients (LTR) Have Persistent Abnormalities in Bronchoalveolar Lavage (BAL) and Endobronchial Biopsy (EBB): Interim Results from a Study of RAD Vs Azathioprine (AZA)
B.J. Levvey,1 L. Zheng,2 B. Orsida,2 T.C. Kotsimbos,1 T.J. McWilliams,1 H.M. Whitford,1 E.H. Walters,2 T.J. Williams,1 G.I. Snell,1 1Respiratory Medicine, The Alfred, Melbourne, Australia; 2Monash University, Melbourne, Australia

(361) Recovery of Right Ventricular Function Post Lung Transplantation in Patients with Long-Term Pulmonary Hypertension on Contemporary Vasodilator Therapy
J. Jimenez,1 D. Fertel,2 R. Servian,1 S. Gerity,2 J. Bauerlein,1 M. Bilsker,1 H. Willens,1 S. Pham,2 S. Mallon,1 1Cardiology, Jackson Memorial Medical Center, Miami, FL; 2Pulmonary and Critical Care, Jackson Memorial Medical Center, Miami, FL; 1Cardiothoracic Surgery, Jackson Memorial Medical Center, Miami, FL

(362) The Utility of CMV Hyper Immunoglobulin in the Treatment of CMV Mismatch Lung Transplant Recipients
M.A. Malouf,1 J.L. Yorke,1 A.R. Scott,1 J. Morton,1 T. Gay,1 M. Plit,1 A.R. Glanville,1 1Lung Transplant Unit, St Vincent’s Hospital, Sydney, New South Wales, Australia

(363) Intravenous Ribavirin: Effective Therapy for Respiratory Syncytial Virus (RSV) Infection after Lung Transplantation
A.R. Scott,1 J.M. Morton,1 M.L. Plit,1 M.A. Malouf,1 A.R. Glanville,1 1The Lung Transplant Unit, St Vincent’s Hospital, Sydney, NSW, Australia

(364) Pet Imaging of [18]-FDG as a Non-Invasive Indicator of Infection Versus Rejection in Lung Transplant Recipients
H.A. Jones,1 T. Donovan,2 M.J. Goddard,3 K. McNeil,3 C. Atkinson,2 J.C. Clark,2 J.F. White,1 E.R. Chilvers,1 1Respiratory Medicine, University of Cambridge School of Clinical Medicine, Cambridge, United Kingdom; 2Wolfson Brain Imaging Centre, University of Cambridge School of Clinical Medicine, Cambridge, United Kingdom; 3Transplant Unit, Papworth Hospital, United Kingdom

(365) Correlation between Induced Sputum Neutrophil Percentage and Decline from Best Postoperative Baseline in FEV1, FEF25-75 and FEF50
D.J. Allen,1 J.E. Fildes,1 N. Yonan,1 A.K. Deirianiya,1 C.T. Leonard,2 1Transplant Centre, Wythenshawe Hospital, Manchester, Lancashire, United Kingdom; 2North West Lung Centre, Wythenshawe Hospital, Manchester, Lancashire, United Kingdom

(366) Surgical Risk Factor Analysis in Lung Transplantation
L.C. Muller,1 C. Geltner,1 E. Ruttmann,1 O. Chevchick,1 G. Laufer,1 1Cardiac Surgery, University Hospital, Innsbruck, Austria; 1Pneumology, Hospital Natters, Innsbruck, Austria

(367) Is Invasive Fungal Disease in Lung Transplant Recipients Predictable?
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(368) Survival of Lung Transplant Recipients with Bronchiolitis Obliterans Syndrome
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(369) Inhaled Iloprost as a Bridge To Transplant in Patients with Advanced Pulmonary Fibrosis and Secondary Pulmonary Hypertension
E.D. Moloney,1 A. Daly,2 M. Kirwan,2 J.C. Rendall,2 N.N. Anthony,2 S.P. Gaine,2 J.J. Egan,2 1Department of Intensive Care Medicine, Royal Brompton Hospital, London, United Kingdom; 2Heart-Lung Transplant Unit, Mater Misericordiae Hospital, Dublin, Ireland

(370) Abdominal-Pelvic Lymphoproliferative Disease after Lung Transplantation
Felix Fernandez, R.R. Hachem,1 G.A. Patterson,1 E.P. Trulock,1 1Lung Transplant Program, Washington University School of Medicine, St Louis, MO

(371) Prediction of Maximal Lung Function in IPF and COPD Single Lung Transplant Recipients
S. Ahmad,1 S.D. Barnett,1 C. Norwalk,1 N. Burton,1 S.D. Nathan,1 1Inova Transplant Center, Inova Fairfax Hospital, Falls Church, VA; 2Inova Heart Institute, Inova Fairfax Hospital, Falls Church, VA

Mechanical Circulatory Support

(372) Novacor Left Ventricular Assist Bridge to Transplant: No Sensitization or Excess Rejection as Compared to Unsupported Patients
D.A. Buran,1 I.D. Galin,1 R. Correa,1 R. DeAsla,1 P. Seissler,1 M. Chan,1 M.C. Courtney,1 D. Spielvogel,1 S.L. Lansman,1 A.L. Gass,1 1Zena and Michael Wiener Cardiovascular Institute, Mt. Sinai Hospital, New York, NY

(373) Changes in Collagen Content of the Myocardium by Unloading with a Cardiac Assist Device
J. Mueller,2 H. Liang,1 Y. Weng,1 M. Pasic,1 R. Pregla,1 P. Fu,1 G. Wallukat,2 R. Hetzer,1 1Cardiac Surgery, Deutsches Herzzentrum, Berlin, Germany; 2Max-Delbrueck-Zentrum, Berlin, Germany

(374) Plasma Neurohormonal Expression in LVAD Patients: Toward Hormone-Guided Therapeutic Assessment
L.O. Thompson,1 M. Loeb,1 C.A. Skrabal,1 K.A. Youker,1 G.P. Noon,1 1Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX

(375) The Effect on Microvascular Function of Combined Mechanical Circulatory Support and Pharmacological Therapy during Induction of Myocardial Recovery
P. Tansley,1 M. Yacoub,1 O. Rimoldi,1 E. Birks,1 J. Hardy,1 M. Hipkin,1 C. Bowles,1 D. Dutka,2 P. Camici,2 1National Heart Lung Institute, Harefield Hospital, Harefield, Middlesex, United Kingdom; 2MRC Clinical Sciences Centre, Hammersmith Hospital, London, United Kingdom

(376) Declining Adverse Event and Mortality Rates over Implant Duration with the Novacor LVAS: Implications for Destination Therapy
J.G. Rogers,1 M.K. Pasque,1 1Washington University School of Medicine, St Louis, MO

(377) Reliability of the Novacor LVAS: Implications for Destination Therapy
U. Livi,1 1Department of Cardiovascular Sciences, General Hospital S. Maria Della Misericordia, Udine, Italy

(378) Left Ventricular Mechanical Unloading Decreases Ischemic Susceptibility by Modulating Angiotensin II Type-2 Receptor Gene Expression in the Failing Heart after Myocardial Infarction
S. Horimoto,1 H. Horimoto,1 S. Mieno,1 K. Nakahara,1 Y. Nakai,1 M. Yoshida,1 S. Sasaki,1 1Thoracic and Cardiovascular Surgery, Osaka Medical College, Takatsuki, Osaka, Japan

(379) Differences in Patients with Left Ventricular Assist Device between Dilated Cardiomyopathy and Dilated Phase Hypertrophic Cardiomyopathy
N. Fukushima,1 Y. Miyamoto,1 Y. Sawa,1 G. Matsumiya,1 O. Monta,1 S. Takashima,2 M. Hori,2 R. Shirakura,1 H. Matsuda,1 1Department of Surgery, Osaka University, Suita, Osaka, Japan; 2Department of Medicine, Osaka University, Suita, Osaka, Japan

(380) The Contribution of Blood Product Transfusions to HLA Allosensitization in LVAD Recipients
S.G. Drakos,1 J.C. Stringham,1 J.W. Long,1 T.C. Fuller,1 K.E. Nelson,1 J.M. Lindblom,1 P.A. Meldrum,1 E.M. Gilbert,1 S.A. Moore,1 D.G. Renlund,1 1UTAH Cardiac Transplant Program, University of Utah School of Medicine and LDS Hospital, Salt Lake City, UT

(381) Differential Regulation of CA2+–Dependent ATPase-Activity in Left Ventricular Myocardium during Mechanical Circulatory Support
H. Milting,1 A. Kassner,1 D. Boethig,1 R. Thieleczek,2 H. Koegler,3 H.E. Meyer,2 L. Arusoglu,2 R. Koerfer,1 A. El Banayosy,1 1Clinic of Thoracic and Cardiovascular Surgery, Research Laboratory, Ruhr-University Bochum, Heart- and Diabetescenter NRW, Bad Oeynhausen, NRW, Germany; 2Institute of Physiological Chemistry I, Ruhr-University Bochum, Bochum, NRW, Germany; 3Department Cardiology & Pneumology, University Goettingen, Goettingen, NS, Germany

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(383) Novel Application of Thoratec VAD as a Paracorporeal Total Artificial Heart
A. El-Banayassy,¹ L. Arusoglu,¹ M. Morshuis,¹ L. Kizner,¹ R. Koerfer,¹ ¹Cardiac Surgery, Heart Center NRW, Bad Oeynhausen, Germany

(384) Mechanical Circulatory Support of 22 Patients with the Original Uncoated DeBakey VAD
M. Wilhelm,¹ D. Hammel,¹ C. Schmid,¹ T.D. Tian,¹ M. Rothenburger,¹ A. Rhode,¹ T. Kaan,¹ C. Vahlhaus,² C. Schmidt,³ H.H. Scheld,¹ Department of Thoracic and Cardiovascular Surgery, University of Muenster, Muenster, Germany; ²Department of Cardiology, University of Muenster, Muenster, Germany; ³Department of Anesthesiology and Operative Intensive Care, University of Muenster, Muenster, Germany

(385) A New Technique for Assessing Myocardial Improvement Using Pressure-Volume Loops during Mechanical Circulatory Assistance
K.A. Kadipasaoglu,¹ M. Ferrari,¹ M. Croitoru,¹ T.J. Myers,¹ I.D. Gregoric,¹ B. Radovancevic,¹ O.H. Frazier,¹ Cardiovascular Research, Texas Heart Institute, Houston, TX

(386) Effect of Mechanical Unloading of Left Ventricle on Right Ventricular Remodeling
J.C. Osorio,¹ A. Kherani,¹ R.J. Mosca,¹ J.M. Quaegebeur,¹ M.C. Oz,¹ L.J. Addonizio,¹ S. Mital,¹ J. Fal,¹ Pediatrics & Cardiothoracic Surgery, Columbia University, New York, NY

(387) Ito and Ir Potassium Channel (K+) Expression and Regulation during Severe Left Ventricular Dysfunction (LVD) and Ventricular Unloading
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(388) Incidence of Right Ventricular Failure and the Role of Concomitant Coronary Revascularization during LVAD Implantation
S.J. Park,¹ S. Huerd,¹ B. Fogelson,¹ R. Segurola,¹ W. Hays,¹ S. Ormaza,¹ L.W. Miller,² Surgery, University of Minnesota, Minneapolis, MN; ¹Surgery, University of Minnesota, Minneapolis, MN

(389) Screening Scale for Predicting Outcomes in High-Risk Potential Heart Transplant Candidates under Extracorporeal Membrane Oxygenation
Y.S. Chen,¹ H.Y. Yu,¹ J.C. Chen,¹ W.J. Ko,¹ S.C. Huang,¹ F.Y. Lin,¹ S.S. Wang,¹ Department of Surgery, National Taiwan University Hospital, Taipei

(390) Initial Clinical Experience with the Thoratec IVAD: A Versatile Implantable Uni- or Bi-Ventricular Assist Device
S. Tsui,¹ M. Slaughter,² J. Hill,³ N. Burton,¹ R. Körfer,³ Department of Cardiothoracic Surgery, Papworth Hospital, Cambridge, United Kingdom; ²Department of Cardiothoracic Surgery, Christ Hospital and Medical Center, Chicago, IL; ³Department of Cardiothoracic Surgery, California Pacific Medical Center, San Francisco, CA; ¹Department of Cardiothoracic Surgery, Inova Fairfax Hospital, Falls Church, VA; ²Department of Cardiothoracic Surgery, Heart Center NRW, Bad Oeynhausen, Germany

(391) Perioperative Use of Neseritide in Heart Failure Patients Undergoing Implantation of Left Ventricular Assist Device
B. Radovancevic,¹ B. Vrtovec,¹ A.P. Yazdanbakhsh,¹ P.A. Odegaard,² C.D. Thomas,¹ R.M. Delgado,³ O.H. Frazier,¹ ¹Cardiopulmonary Transplantation, Texas Heart Institute, Houston, TX; ²Transplant Service, St. Luke’s Episcopal Hospital, Houston, TX

(392) Outcomes from 100 Patients Treated with Implantable LVAD Therapy: Are We Ready for Destination Therapy?
L.A. Smolens,¹ H.J. Patel,¹ S. Wright,¹ D.B. Dyke,² K.D. Aaronson,² E.D. Pagani,³ ¹Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; ²Division of Cardiology, University of Michigan, Ann Arbor, MI

(393) The Risk of Thromboembolism with the Novacor Left Ventricular Assist Device
J.G. Rogers,¹ G.A. Ewald,¹ C.M. Hanselman,¹ K.S. Shelton,¹ M.K. Pasque,² ¹Cardiology, Washington University School of Medicine, St. Louis, MO; ²Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO

(394) Serious Abdominal Complications of Intra-Peritoneal Placement of Left Ventricular Assist Devices
P. Tansley,¹ E. Birks,¹ P. McDonald,¹ M. Hipkin,¹ J. Hardy,¹ C. Bowles,³ N. Banner,¹ A. Khaghani,¹ M. Yacoub,¹ ¹Cardiothoracic Surgery, Harefield Hospital, Harefield, Middlesex, United Kingdom

(395) Cardiac Rhythm during and after Explantation of Left Ventricular Assist Devices (LVAD) Using the Harefield Recovery Programme
J. Hardy,¹ P. Tansley,¹ E. Birks,¹ M. Hipkin,¹ A. Khaghani,¹ N. Banner,¹ M. Yacoub,¹ ¹Cardiothoracic Surgery, Harefield Hospital, Harefield, Middlesex, United Kingdom
(396) Proteomic Analysis of Changes in "Total" Protein Expression during Bridge to Clinical Recovery Using Left Ventricular Assist Devices (LVADs)
M.J. Dunn,1 J. Weekes,1 E.J. Birks,1 P.D. Tansley,1 A. Khaghani,1 N.R. Banner,1 M.H. Yacoub,1 1Cardiothoracic Surgery, Royal Brompton and Harefield Hospital, Harefield, Middlesex, United Kingdom

(397) Cerebral Hyperperfusion Syndrome Following LVAD Implantation
A.J. Boyle,1 S.J. Park,1 M.M. Colvin-Adams,1 K.K. Liao,1 S.M. Ormaza,1 J.M. Thompson,1 L.W. Miller,1 1Cardiology, University of Minnesota, Minneapolis, MN

(398) Cytoskeletal Protein 4.1 Isoforms, Newly Discovered in Heart, Are Differentially Overexpressed in the Myocardium of Patients with Deteriorating Heart Failure
E.J. Birks,1 P.M. Taylor-Harris,2 L. Felkin,1 A.M. Maggs,2 R. Franklin,1 N.R. Banner,1 A. Khaghani,1 P. Barton,1 A. Baines,2 J.C. Pinder,2 M.H. Yacoub,1 1Harefield Research Foundation, Royal Brompton and Harefield NHS Trust, Harefield, Middlesex, United Kingdom; 2Randall Centre for Molecular Mechanisms of Cell Function, Guys Campus, Kings College London, London, United Kingdom

(399) Bridge to Heart Transplant with the Continuos Axial Flow Debakey VAD
M. Lanfranconi,1 C.F. Russo,1 T. Colombo,1 E. Ribera,1 G. Bruschi,1 M. Frigerio,2 E. Vitali,1 1Cardiac Surgery Division, "A De Gasperis" Department Ospedale Niguarda Ca'Granda, Milano, Italy; 2Cardiac Failure & Heart Transplant Program, "A De Gasperis" Department Ospedale Niguarda Ca'Granda, Milano, Italy

(400) Significant Reduction in Major LVAD Device Failures: Comparison of the Heartmate VE and XVE LVAS
F.D. Pagani,1 H.J. Patel,1 S. Wright,1 B.D. Dyke,2 K.D. Aaronson,2 1Section of Cardiac Surgery, University of Michigan, Ann Arbor, MI; 2Division of Cardiology, University of Michigan, Ann Arbor, MI

(401) Readmission Following Discharge on LVAD: Implications for Permanent Support
M.K. Banbury,1 K.J. Hoercher,1 P.M. McCarthy,1 J.L. Navia,1 N.G. Smedira,1 1The Kaufman Center for Heart Failure, The Cleveland Clinic Foundation, Cleveland, OH

(402) Prior HLA Allosensitization Predisposes Patients to Become and Remain Highly Sensitized after LVAD Implantation
S.G. Drakos,1 J.W. Long,1 J.C. Stringham,1 T.C. Fuller,1 M.E. Hagan,1 K.E. Nelson,1 S.A. Moore,1 E.M. Gilbert,1 D.G. Renlund,1 1UTAH Cardiac Transplant Program, University of Utah School of Medicine and LDS Hospital, Salt Lake City, UT

(403) Predictors of Poor RV Function Following LVAD Implantation
A.J. Boyle,1 S.J. Park,1 M.M. Colvin-Adams,1 S.M. Ormaza,1 K.K. Liao,1 J.M. Thompson,1 L.W. Miller,1 1Cardiology, University of Minnesota, Minneapolis, MN

(404) Pre-Operative Predictors of Outcome after VAD: Can We Predict Survivors?
J. Harding,1 L.R. Goldberg,1 M.L. O'Hara,2 M.A. Acker,2 M.L. Jessup,1 1Cardiovascular Division - Heart Failure/Transplant, University of Pennsylvania, Philadelphia, PA; 2Cardiothoracic Surgery Division, University of Pennsylvania, Philadelphia, PA

(405) Natriuretic Peptides as Predictors of Clinical Course in Patients with End-Stage Heart Failure
E.V. Potapov,1 F.D. Wagner,1 E.K. Hennig,1 C. Müller,1 H. Lehmkuhl,1 R. Sodian,1 H. Hausmann,1 B.A. Nasseri,1 R. Hetzer,1 1Thoracic and Cardiovascular Surgery, Deutsches Herzcentrum Berlin, Berlin, Germany; 2Clinical Chemistry, Charité, Humboldt University, Berlin, Germany

(406) Improved Overall Outcome with the Micromed DeBakey LVAD as Bridge To Transplant
S. Salzberg,1 M. Lachat,1 A. Kadner,1 G. Zuend,1 M. Turina,1 1Cardiovascular Surgery, University Hospital Zurich, Zurich, Switzerland

(407) Managing Patients with Left Ventricular Assist Device at Home, Results with 37 Patient-Years of Experience
R. Khodaverdian,1 K.E. Nelson,1 B.L. Porter,1 A.J. Powers,1 T.F. Nielson,1 J.W. Long,1 1Utah Artificial Heart Program, LDS Hospital, Salt Lake City, UT

(408) Mechanical Support for Isolated RV Failure in Post-Cardiotomy Patients
N. Moazami,1 M.K. Pasque,1 M.R. Moon,1 R.L. Herren,1 M.S. Bailey,1 J.S. Lawton,1 R.J. Damiano,1 1Division of Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO

(409) Bridge to Cardiac Transplantation: Comparison of LVAD Versus Inotropic Support
S.D. Moffatt,1 P. Demers,1 M. Chan,1 P.E. Oyer,1 B.A. Reitz,1 R.C. Robbins,1 1Cardiothoracic Surgery, Stanford University, Stanford, CA; 2Cardiovascular Medicine, Stanford University, Stanford, CA
EXHIBIT BOOTH LOCATIONS

VORSAAL
Roche
SangStat
Scanlan International, Inc.

PLATZL
Micromed Technology, Inc.

ANTEKAMMER
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SEITENGALERIE
Actelion Pharmaceuticals
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Vitrolife

MARMOSAAL
Acorn Cardiovascular Inc.
Arrow International
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WINTERGARTEN
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The ISHLT Transplant Registry and mechanical Circulatory Device Database collect worldwide transplant and assist device data. Data are utilized for scientific study to increase the body of knowledge regarding thoracic transplantation and cardiac device management. This year’s exhibit will feature online availability of center-specific analysis for review by ISHLT members who represent the centers submitting the data. In addition, ISHLT members can view data entry screens for the MCSD Database and receive information on how to provide data to the transplant and device databases.

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FUTURE ISHLT MEETINGS

NOVEMBER 8 - 9, 2003 (TENT.)
FALL EDUCATION MEETING
immediately preceding the American Heart Association Meeting
Orlando, FL

APRIL 21 - 24, 2004
ISHLT 24TH ANNUAL MEETING AND SCIENTIFIC SESSIONS
San Francisco, California

APRIL 6 - 9, 2005
ISHLT 25TH ANNUAL MEETING AND SCIENTIFIC SESSIONS
Philadelphia, PA