

**CURRICULUM VITAE**

**Richard Lee, M.D., M.B.A.**

**A. Personal Information:**

Citizenship                      USA

**B. Education:**

*Undergraduate degree and major*

Northwestern University  
Evanston, IL  
B.A. 1988

*Graduate degree and major*

The University of Illinois School of Medicine  
Chicago, IL  
M.D. 1993

*Postgraduate training*

John M. Olin School of Business  
Washington University  
St. Louis, MO  
M.B.A. 1997

PGY 1 & 2, 1993-1995  
Department of Surgery  
Medical College of Wisconsin  
Froedtert Hospital  
Milwaukee, WI

Research Fellowship, 1995-1997  
Cardiothoracic Surgery  
Washington University  
St. Louis, MO

PGY 3-5 Residency, 1997-2000  
Department of Surgery  
Rush University  
Chicago, IL

Residency, 2000-2002  
Cardiothoracic Surgery  
Washington University  
St. Louis, MO

Fellowship, 2002-2003  
Adult Cardiac Surgery  
Cleveland Clinic Foundation  
Cleveland, OH

**C. Board Certification and Licensure:**

National Board of Medical Examiners  
Certification

American Board of Surgery  
Specialty of Surgery

American Board of Thoracic Surgery

**D. Current Position and Address:**

|           |  |
|-----------|--|
| 2003-pres | Assistant Professor of Surgery<br>Cardiothoracic Surgery Division  |
| 2003-pres | Surgical Director of Cardiac Transplantation   |
| 2004-pres | Director of Coronary Artery Bypass Outcomes Program  |
| 2004-pres | Associate Program Director for Cardiothoracic Residency Program<br>Department of Surgery, Division of Cardiothoracic Surgery |

Saint Louis University Health Sciences Center  
School of Medicine  
3635 Vista Ave. at Grand Blvd.  
St. Louis, MO 63110-0250  
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**E. Clinical Staff Appointments:**

2003-pres St. Louis University Hospital  
2003-pres Cardinal Glennon Children's Hospital  
2004-pres St. Mary's Health Center

**F. Professional Society Memberships:**

American College of Cardiology  
Fellow  
  
American College of Surgeons  
Initiate  
  
American Medical Association  
  
International Society for Heart and Lung Transplantation  
  
Southern Thoracic Surgical Association (STSA)  
  
Society for Thoracic Surgeons  
  
Thoracic Surgery Residents Association  
President, 2002-2003

**G. Honorary Societies, Honors and Awards:**

2005 St. Louis Business Journal. 40 Under 40 Award

**H. Professional Services:**

**1. Committee Memberships**

- 2003-pres Mid America Transplant Services Medical Affairs Committee
- 2003-pres Saint Louis University Transplant Committee
- 2003-pres Cardinal Glennon Children's Hospital Transplant Committee
- 2003-pres Tenet/St. Louis University Hospital Coronary Artery Bypass Graft Outcomes Committee/A Tenet Partnership for Change
- 2003-pres Saint Louis University, School of Medicine Admission Committee
- 2004-pres JCAH, Left Ventricular Assist Device Destination Therapy (LVAD) Task Force
- 2005-2006 Saint Louis University Faculty Senate - Alternate

**2. Editorial and Journal Review Boards**

- 2004-pres Reviewer, The American Journal of Cardiology
- 2004-pres Reviewer, Annals of Thoracic Surgery

**I. Research Support:**

- 1989-1991 University of Illinois Medical Student Research Fellowship
- 1991-1992 Illinois General Assembly Scholarship
- 1992-1993 Parkinson's Disease, Foundation Student Fellowship
- 1995-1997 National Institute of Health Training Grant
- 1997 American Medical Association Education and Research Foundation Grant
- 1998-2000 Pillsbury Foundation Resident Fellowship
- 2002 The Roche/Cardiac Transplant Research Database Young Investigator's Award
- 2004-2006 Scios Inc. Research Grant

**Research Studies:**

1. Comunale ME, Lee R, Johnson RG. Double-Blind Multicenter Study of the Safety and Efficacy of Parecoxib/Valdecoxib and Placebo Valdecoxib Compared to Placebo for Treatment of Postsurgical Pain in Patients Who Have Coronary Bypass Graft via Median Sternotomy. Feb 2003-Dec 2003. Pharmacia.
2. Comunale ME, Chandhok D, Lee R, Johnson RG, Osterloh J, Lindsay K, Ibata B. A Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Study of 2 mg/kg Bolus Plus 24-hour 0.05 mg/kg/hr Infusion of Pexelizumab in Patients Undergoing Coronary Artery Bypass Grafting with Cardiopulmonary Bypass (PRIMO-CABG II). Proctor & Gamble Pharmaceuticals, Inc., and Alexion Pharmaceuticals, Inc. 2004-pres.
3. Comunale ME, Chandhok D, Lee R, Johnson RG, Osterloh J, Lindsay K, Ibata B. A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Human Recombinant Soluble Complement Receptor Type 1 (TP 10) in Adult Women Undergoing Cardiopulmonary Bypass Surgery. AVANT Immunotherapeutics, Inc. 2004-pres
4. Lee R, Comunale ME, Chandhok D, Johnson RG, Lim MJ, Lindsay K, Osterloh J, Ibata B, Evans J. A Pilot Multicenter Randomized, Double-Blind, Placebo-Controlled Study to Evaluate Nesiritide Infusion, Initiated Post Induction of Anesthesia, in the Management of Coronary Artery Bypass Graft (CABG) Patients Requiring Cardiopulmonary Bypass (CPB). Scios, Inc. 2004-2006

**I. Bibliography:****1. Papers published, in press, or accepted for publication in peer-reviewed journals**

1. Lee R, Nitta T, Schuessler RB, Schmidt RA, Harris KM, and Gay W A Jr. Retrograde infusion of lidocaine or L-arginine prior to reperfusion reduces myocardial infarct size. *Ann Thoracic Surg* 1998; 65: 1353-1359.
2. Lee R, Boasquevisque CHR, Boglione MM, Hiratsuka M, Scheule RK, Cooper JD, and Patterson GA. Isolated lung liposome-mediated gene transfer produces organ specific transgenic expression. *Ann Thoracic Surg* 1998; 66: 903-907.
3. Nitta T, Lee R, Schuessler RB, Boineau JP, and Cox JL. Radial approach: a new concept in surgery for atrial fibrillation. 2. Electrophysiological effects and atrial contribution to ventricular filling. *Ann Thoracic Surg* 1999; 67:36-50.
4. Nitta T, Lee R, Schuessler RB, Boineau JP and Cox JL. Radial approach: a new concept in surgery for atrial fibrillation. I. Concept, anatomical and physiologic basis and development of procedure. *Ann Thoracic Surg* 1999; 67: 27-35.
5. Lee R, Nitta T, Schuessler RB, Johnson D, Boineau JP, and Cox JL. The closed heart MAZE: a non-bypass surgical technique. *Ann Thoracic Surg* 1999; 67: 1696-1702.
6. Nitta T, Mitsuno M, Rokkas CK, Lee R, Schuessler R-B and Boineau JP. Cryoablation of ventricular tachycardia guided by return cycle mapping after entrainment. *J Thoracic Cardiovasc Surg* 2001; 121:249-258.
7. Lee R, Fischer KC and Moon MR. Reoperative transmyocardial laser revascularization for late recurrent angina. *Ann Thoracic Surg* 2002; 73: 650-652.
8. Lee R, Meyers BF, Sundt TM, Trulock EP and Patterson GA. Concomitant coronary artery revascularization allows successful lung transplantation in good candidates with coronary disease. *J Thoracic Cardiovasc Surg* 2002; 124: 1250-1251.

9. Goldstein JA, Casserly IP, Balzer DT, Lee R and Lasala JM. Transcatheter closure of recurrent post-myocardial infarction ventricular septal defects utilizing the Amplatzer postinfarction VSD device. *Cathet Cardiovasc Intervent* 2003; 59: 238-243.
10. Lee R, Sundt TM III, Zhang Y, Schuessler RB, Moon MR, Pasque MK, Barner HB, Damiano RA and Gay W A Jr. Mitral valve repair in the elderly: operative risk for patients over 70 years of age is acceptable. *J Cardiovasc Surg* 2003; 44: 157-161.
11. Lee R and Moon MR. Homograft repair for recurrent prosthetic valve endocarditis. *J Thoracic Cardiovasc Surg* 2003; 125: 725-727.
12. Lee R, Mendeloff EN, Huddleston C, Sweet SC and De La Morena M. Bilateral lung transplantation for pulmonary hypoplasia due to congenital diaphragmatic hernia. *J Thoracic Cardiovasc Surg* 2003; 126: 295-297.
13. Lee R. Help wanted. *Ann Thorac Surg* 2003; 76: 1779-81.
14. Lee R, Hoercher KJ, McCarthy PM. Ventricular reconstruction surgery for congestive heart failure. *Cardiology* 2004; 101: 61-71.
15. Walts PA, Lee R, Gillinov AM. Balloon occlusion of calcified aortic aneurysm with aortic insufficiency. *J Cardiac Surgery* 2004; 19: 279-280.
16. Salazar JD, Lee R, Wheatley III GH, Doty JR. Are there enough jobs in cardiothoracic surgery? - the thoracic surgery residents association job placement survey for finishing residents. *Ann Thorac Surg* 2004; 78: 1523-1527.
17. Lim MJ, Forsberg MJ, Lee R, Kern MJ. Hemodynamic abnormalities across an anomalous left main coronary artery assessment: Evidence for a dynamic ostial obstruction. *Cathet & Cardiovasc Interv* 2004; 63: 294-298.
18. Kolli S, Ziaee A, Lee R, Lim M, Levy B, Labovitz A. Myofibroblastic Sarcoma of Mitral Valve: A Case Report. *J Am Soc Echocardiogr.* (In press 2005).

19. Wheatley III GH, Lee R, Where have all the cardiothoracic surgery residents gone? Placement of graduating residents by US Thoracic Surgery Training Programs 1998-2002. J Cardiothoracic Vas Surgery (In Press 2005).
20. Lee R, Battafarano R, Patterson GA, Clinical – Pathologic Conference Cardiac Lymphoma. J Thoracic Cardiovasc Surg: (Sept 2005 In Press)

## **2. Book chapters, monographs, review articles, case reports**

1. Lee R and Donahue PE. Paraesophageal hiatal hernia. In: Cameron JL, ed. *Current Surgical Therapy - Seventh Edition*. St. Louis: Mosby, 2001: 41-46.
2. Lee R, Quader MA, Hoercher KJ and McCarthy PM. Left ventricular volume reduction surgery for idiopathic dilated cardiomyopathy. In: Fang JC, Couper GS, eds. *Surgical Management of Congestive Heart Failure*. Totowa, NJ: Humana Press, October 2004.
3. Lee R, Hoercher KJ, McCarthy PM. LV reconstruction and the surgical treatment of the failing heart. In: Sellke FW, del Nido P, Swanson SJ, eds. *Sabiston and Spencer's Surgery of the Chest - 7th ed*. Philadelphia, PA: W.B. Saunders, 2004.
4. Hoercher KJ, Lee R, McCarthy PM. Coronary revascularization valve surgery/remodeling procedures. In: Dec GW, Di Salvo T, Hajjar R, et al., eds. *Heart Failure: Comprehensive Guide to Diagnosis and Management*. (In press).

## **3. Abstracts**

1. Nitta T, Lee R, Marquart DM, Schuessler RB, Boineau J, Cox JL. Role of Intraoperative Mapping in Closed Heart Maze Procedure. Presented at American Heart Association Meeting 1996.
2. Lee R, Nitta T, Schuessler RB, Schmidt RA, Harris KM and Gay WA Jr. The Mechanism of Lidocaine-Induced Myocardial Infarct Reduction Requires Local Delivery Prior to Reperfusion. Presented at the American College of Cardiology, March 16, 1997.



3. Lee R, Nitta T, Schuessler RB, Schmidt RA, Harris KM, and Gay WA Jr. The Mechanism of L-Arginine Myocardial Infarct Reduction is Primarily an Inhibition of Reperfusion Injury. Presented at the American College of Cardiology, March 19, 1997.
4. Lee R, Boasquevisque CHR, Boglione MM, Hiratsuka M, Scheule RK, Cooper JD, and Patterson GA. Isolated Lung Liposome-Mediated Gene Transfer Produces Organ GA. Isolated Lung Liposome-Mediated Gene Transfer Produces Organ Specific Transgenic Expression. Presented at the Society of Thoracic Surgeons, January 27, 1998.
5. Nitta T, Lee R, Schuessler RB, Boineau J, Cox JL. Radial Approach: A New Concept in the Surgical Treatment of Atrial Fibrillation. Presented at the Society of Thoracic Surgeons, January 28, 1998.
6. Lee R, Sundt TM III, Pasque MK, Barner HB, Damiano RA, Gay WA Jr. Advanced age is not a contraindication to mitral valve repair. Presented at the American College of Cardiology, March 20, 2001.
7. Lee R, Brown R, Moazami N, Young J, Clemson B, J. Czersla B, O'Donnell J, Kasper E and Kirklin JK for the Cardiac Transplant Research Database. Rejection with hemodynamic compromise: a dismal prognosis. Presented at the International Society for Heart and Lung Transplantation, April 10, 2003.
8. Wheatley III GH, Lee R, Where have all the cardiothoracic surgery residents gone? Placement of graduating residents by US Thoracic Surgery Training Programs 1998-2002. Presented at the 31<sup>st</sup> Annual Meeting of the Western Thoracic Surgical Association, June 22-25, 2005.

**J. Supplemental Material:**

**1. Presentations (national and international meetings), seminars**

1. Lee R. The Mechanism of Lidocaine-Induced Myocardial Infarct Reduction Requires Local Delivery Prior to Reperfusion. Presented at the American College of Cardiology, March 19, 1997.
2. Lee R. The Mechanism of L-Arginine Myocardial Infarct Reduction is Primarily an Inhibition of Reperfusion Injury. Presented at the American College of Cardiology, March 19, 1997.
3. Lee R. Isolated Lung Liposome-Mediated Gene Transfer Produces Organ-Specific Transgenic Expression. Presented at the Society of Thoracic Surgeons, January 27, 1998.
4. Lee R. Advanced age is not a contraindication to mitral valve repair. Presented at the American College of Cardiology, March 20, 2001.
5. Lee R. Cardiac Transplant Research Database. Rejection with hemodynamic compromise: a dismal prognosis. Presented at the International Society for Heart and Lung Transplantation, April 10, 2003.
6. Lee R. NYHA class, LV ejection fraction, prior cardiac surgery and need for mitral valve repair are not risk factors for any outcome after LV reconstruction. Presented at the Heart Failure Summit VIII, Cleveland Clinic Foundation, Cleveland, OH, October 9-11, 2003.
7. Lee R. Cadaver demonstration of cardi thoracic end-to-side bypass. Presented at the 4<sup>th</sup> Annual International Meeting on Cerebral Revascularization and Hands-On Course on Microanastomosis and EC-IC Bypass Techniques, Saint Louis University, St. Louis, MO, October 12, 2003.

8. Lee R. Selection of Left Ventricular Device and End-Stage Heart Disease. Presented at the Society of Critical Care Medicine Congress Meeting, Orlando, FL, February 22, 2004.
9. Lee R. Updates in Cardiac Surgery. Presented at the Updates in Cardiology 2004, Saint Louis University The Ritz Carlton, St. Louis, MO, August 28, 2004.
10. Lee R. Cadaver demonstration of cardi thoracic end-to-side bypass. Presented at the 5<sup>th</sup> Annual International Meeting on Cerebral Revascularization and Hands-On Course on Microanastomosis and EC-IC Bypass Techniques, St. Louis University, St. Louis, MO, January 20-23, 2005.

**2. Invited Visiting Professor (lectures, presentations, demonstrations)**

1. Lee R. Surgical Management of Advanced Heart Failure. Presented at University of Missouri, Columbia Regional Hospital, September 30, 2004.
2. Lee R. Surgical Management of Advanced Heart Failure in your Patient Population. St. John's Regional, Springfield, MO December 22, 2004
3. Lee R. Surgical Management of Heart Failure. Methodist Medical Center, Peoria, IL, December 29, 2004
4. Lee R. Surgical Management of Advanced Heart Failure. Presented at Genesis Medical Center, Davenport, IA, February 16, 2005
5. Lee R. Lecture Series, American Heart Association, February 19-20, 2005
6. Lee R. Grand Visions In Cardiology Lecture Series, February 26, 2005
7. Lee R. Surgical Management of Advanced Heart Failure. Presented at German Clinic, Santiago, Chile, March 14 and 17, 2005.
8. Lee R. Grand Rounds. Des Peres Hospital, Saint Louis, MO August 3, 2005.

**3. Military service (not applicable)**