

CURRICULUM VITAE

Jan 1, 2011

Personal Data

Larry L. Schulman

Academic Training

Cornell University	B.A.	1970-74
State University of New York - Downstate	M.D.	1974-78
Licensure New York (#139103), New Jersey (#49892)		

Traineeship

Intern in Medicine (PGY1), Columbia University College of Physicians & Surgeons, New York, NY (Dr. Thomas Q. Morris)		1978-79
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Resident in Medicine (PGY2-3), Columbia University College of Physicians & Surgeons, New York, NY (Dr. Thomas Q. Morris)		1979-81
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Clinical Fellow in Pulmonary Medicine (PGY4), Mount Sinai School of Medicine, New York, NY (Dr. Alvin S. Teirstein)		1981-82
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Visiting Fellow in Pulmonary Medicine (PGY5), Columbia University, College of Physicians and Surgeons, New York, NY (Dr. Rejane Harvey)		1982-83
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Parker B. Francis Research Fellow in Pulmonary Medicine, Columbia University, College of Physicians & Surgeons, New York, NY (Dr. Yale Enson)		1983-86
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Board Certification

Diplomate, American Board of Internal Medicine		1981
Diplomate, American Board of Internal Medicine, Subspecialty Board of Pulmonary Medicine		1984
Diplomate, American Board of Internal Medicine, Subspecialty Board of Critical Care Medicine		1987

Military Service

None

Professional Organizations and Societies

Fellow, American College of Chest Physicians
American Thoracic Society
American Medical Association
International Society for Heart and Lung Transplantation
American Society of Transplant Physicians
Trudeau Society

Academic Appointments

Instructor in Clinical Medicine, Columbia University College of Physicians and Surgeons, New York, NY	1983-84
Assistant Professor of Clinical Medicine, Columbia University, College of Physicians and Surgeons, New York, NY	1984 -1996
Associate Professor of Clinical Medicine, Columbia University, College of Physicians and Surgeons, New York, NY	1996 -2002
Professor of Clinical Medicine, Columbia University, College of Physicians and Surgeons, New York, NY	2002 -present

Hospital Appointments

Assistant Attending Physician, The Presbyterian Hospital in the City of New York, New York, NY	1984-1996
Associate Attending Physician, The Presbyterian Hospital in the City of New York, New York, NY	1996-2002
Attending Physician, The Presbyterian Hospital in the City of New York, New York, NY	2002-present
Founder and Medical Director of Lung Transplant Service	1985-2001
Medical Director, Quality Assurance, The Presbyterian Hospital in the City of New York, NY	2002-present

Medical Director, Quality Assurance, The Presbyterian
Hospital, Allen Pavilion, New York, NY

2005-2007

Honors

Phi Beta Kappa, Phi Kappa Phi, Distinction in all
subjects (Cornell University 1974)

Alpha Omega Alpha, Cum Laude (SUNY-Downstate 1978)

Winthrop-Breon/American College of
Chest Physicians, Young Scholar Award (1987)

Parker B. Francis, Research Fellowship of the
Puritan-Bennett Foundation (1983-1986)

William H. Dock Master Teacher Award (2003)

Research Support

Parker B. Francis, Research Fellowship of the
Puritan-Bennett Foundation, "Vasoregulatory
control of the pulmonary circulation" (\$75,000.00) 1983-1986

Berlex Laboratories Educational Grant (IRB # 6777)(\$5,000.00),
"Phase I trial with use of fludarabine in lung transplantation" 1994-1996

Phase I/II trial to determine the safety and efficacy of TP10 in patients with reperfusion
injury after lung transplant surgery (IRB # 7665)(\$42,000.00) 1996-1997
Principal investigator, L. Schulman

Novartis Multi-center Lung Transplant Research Database
(IRB # X0620) (\$55,000.00)
Principal investigator, L. Schulman 1997

Clinical Centers for Lung Volume Reduction Surgery for Emphysema: a multi-center
assessment and prospective patient registry (two arm trial of median sternotomy vs.
maximal medical therapy) 1997-2000
Co-investigator, L. Schulman

A one year randomized, multicenter, open-label, parallel group study of the efficacy and
safety of SDZ RAD versus antilymphocyte globulin and Azathioprine in lung or
heart/lung transplant recipients with bronchiolitis obliterans syndrome (IRB # 8658)
(\$55,000)
Principal investigator, L. Schulman 1998-1999

Identification of factors influencing lung function decline in cystic fibrosis (IRB #
XXXX) (\$70,000)

Co-investigator, L. Schulman 2000-2001

Interferon gamma in the treatment of idiopathic pulmonary fibrosis. 2001-2004
Co-investigator, L. Schulman

Teaching Experience:

Sciences Basic to Practice of Medicine P&S 1st yr students	1995-present
Abnormal Human Biology P&S 2 nd yr students	1984-1995
Introduction to the Patient P&S 2 nd yr students	1987-1990
Medical Preceptor P&S 3rd yr students	1984- present
Faculty Residency Advisor for Columbia P&S 4 th year students	2004-present
Medical Preceptor Columbia RNP students	1997-present
Fellowship Training Columbia University	1995-2000
Fellowship Preceptor Columbia University	1998-2003

Fellowship Training (and current position):

Revati Schreeniwas, MD (1995-1996)	Stanford University, Stanford CA
Theodore Igwebe, MD (1996-1997)	UMDNJ, Newark NJ
Johanna Vida, MD (1997-1998)	University of Cologne, Germany
Fariborz Ashtyani, MD (1998-1999)	UMDNJ, Hackensack, NJ
Santa D'Alessio, MD (1999-2000)	University of Maryland, MD

Fellow Preceptorship:

Nick Bhardwarj, MD (April, 1998)(St. Luke's Hospital, New York, NY)
Jay Mezes, MD (May, 1998)(Lenox Hill Hospital, New York, NY)
Thane Htun, MD (July, 1998)(Cabrini Hospital, New York, NY)
Cezar Staniloae, MD (August, 1998)(Cabrini Hospital, New York, NY)
Philip Wong, MD (November, 1998)(Memorial Hospital, New York, NY)
Melanie Watanabie, MD (December, 1998)(Presbyterian Hospital, New York, NY)
Anna Bondoc, MD (February, 1999)(Memorial Hospital, New York, NY)
Michael Lee, MD (March, 1999)(Mackay Memorial Hospital, Tai Pei, Taiwan)
Luis Torrelas, MD (June-July, 1999)(Presbyterian Hospital, New York, NY)
Robert Foronjy, MD (Aug, 1999)(Presbyterian Hospital, New York, NY)
Maung Oo, MD (Sept, 1999)(Long Island Jewish Hospital, New York, NY)
Sabia Husain, MD (October, 1999)(Presbyterian Hospital, New York, NY)
Majid Mokhtari, MD (November, 1999)(Memorial Hospital, New York, NY)
Sanja Jelic, MD (November, 1999)(Presbyterian Hospital, New York, NY)
Matthew Cheng, MD (December, 1999)(Presbyterian Hospital, New York, NY)
Debra Mangino, MD (February, 2000)(Memorial Hospital, New York, NY)
Felixberto Cosico, MD (March, 2000)(Cabrini Hospital, New York, NY)
Vladimir Sabeyev, MD (May, 2000)(New York Hospital-Queens, Flushing, NY)
Jesse Wilt, MD (July-Aug, 2000)(Presbyterian Hospital, New York, NY)
Kari Roberts, MD (Sept-Nov, 2000)(Presbyterian Hospital, New York, NY)
Helen Sogoloff, MD (December, 2000)(Memorial Hospital, New York, NY)
Tijomir Stefanic, MD (January, 2001)(Memorial Hospital, New York, NY)
Kristen Walters, MD (Jan-Feb, 2001)(Presbyterian Hospital, New York, NY)

Brian McDonald, MD (Mar-Apr, 2001)(Presbyterian Hospital, New York, NY)
Paul Han, MD (July, 2001)(Presbyterian Hospital, New York, NY)
Lori Shah, MD (December, 2002) (Presbyterian Hospital, New York, NY)

Student Preceptorship:

Sharon White, RNP (January-June, 1997)(Columbia University, New York, NY)
Garrett Nash, P&S '98 (September, 1997)(Columbia University, New York, NY)
Kim Reynolds, RNP (January-June, 1999)(Columbia University, New York, NY)
Evan Garfein, P&S '99 (April, 1999)(Columbia University, New York, NY)
Lisbeth Votruba, RNP (May-August, 1999)(Columbia University, New York, NY)
Hope Mazourek, RNP (May-August, 1999)(Columbia University, New York, NY)
Edward Cantu III, P&S '00 (November, 1999)(Columbia University, New York, NY)
Roxanne Gerow-Smith RNP (January-April, 2001)(Columbia University, New York, NY)
Kim Pearson RNP (May-July, 2001)(Columbia University, New York, NY)
Kim Hammond RNP (Nov-Dec, 2001)(Columbia University, New York, NY)
Laura Bremmerloh RNP (Jan-May, 2002)(Columbia University, New York, NY)
Miriam Donio RNP (Apr-Jul, 2007)(Columbia University, New York, NY)
Esther Kim RNP (Jan-Mar, 2008)(Columbia University, New York, NY)
Amy Miller RNP (Apr-Jun, 2008)(Columbia University, New York, NY)

Peer Reviewer:

Chest (1993 – present)
J Heart Lung Transplant (1996 – present)
Am J Respir Crit Care Med (1997 – present)
N Engl J Med (1998 – present)
Transplantation (1999 – present)

Editorial Board:

Transplantation (2002 – present)

Committees:

American College of Chest Physicians, *Practice Management Committee* (1999 – 2002)
Columbia University, Department of Medicine, *Executive Committee* (2002-present)
New York-Presbyterian Hospital, *Quality and Patient Safety Committee* (2003-present)
New York-Presbyterian Hospital, *Significant Events Committee* (2003-present)
Columbia University, Department of Medicine, *Chief of Service Committee* (2005-present)

PUBLICATIONS

Original, peer reviewed articles

1. Lennon P, Schulman LL, Enson Y. Effect of chronic airways obstruction on the measurement of the single breath carbon monoxide diffusing capacity. *Respiration* 1987, 52(3):171-180.
2. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y, Reemtsma K. Patent foramen ovale complicating heart transplantation: a window on post-transplantation hemodynamics. *Chest* 1987, 92(3):569-572.
3. Schulman LL, Lennon PF, Ratner SJ, Enson Y. Meclofenamate enhances blood oxygenation in acute oleic acid lung injury. *J Appl Physiol* 1988, 64(2):710-718.
4. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y, Reemtsma K. Utility of airway endoscopy in the diagnosis of respiratory complications of cardiac transplantation. *Chest* 1988, 93(5):960-967.
5. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y, Reemtsma K. Respiratory complications of cardiac transplantation. *Am J Med Sci* 1988, 296(1):1-10.
6. Austin JHM, Schulman LL, Mastrobattista JD. Pulmonary infection after cardiac transplantation: clinical and radiologic correlations. *Radiology* 1989, 172:259-265.
7. Tazelaar HD, Baird AM, Mill M, Grimes MM, Schulman LL, Smith CR. Bronchocentric mycosis occurring in transplant recipients. *Chest* 1989, 96:92-95.
8. Schulman LL, Wood JA, Enson Y. Control of shunt pathway perfusion in diffuse granulomatous lung disease. *J Appl Physiol* 1989, 67(5):1717-1726.
9. Barr ML, Sanchez JA, Seche LA, Schulman LL, Smith CR, Rose EA. Anti-CD3 monoclonal antibody induction therapy: immunological equivalency with triple drug therapy in heart transplantation. *Circulation* 1990, 82(suppl IV):IV-291-IV-294.
10. Schulman LL, Reison DS, Austin JHM, Rose EA. Cytomegalovirus pneumonitis after cardiac transplantation. *Arch Intern Med* 1991, 151:1118-1124.
11. Haramati L, Austin JHM, Schulman LL. Lung nodules or masses after cardiac transplantation. *Radiology* 1993, 188:491-497.
12. Schulman LL, Grossman BA, Owen J. Platelet activation and fibrinopeptide formation in pulmonary hypertension. *Chest* 1993, 104:1690-1693.

13. Garrett TJ, Chadburn A, Barr ML, Drusin RE, Chen JM, Schulman LL, Smith CR, Reison DS, Rose, EA, Michler, RE, Knowles DM. Post-transplantation lymphoproliferative disorders treated with cyclophosphamide-doxorubicin-vincristine-prednisone chemotherapy. *Cancer* 1993, 72:2782-5,.
14. Schulman LL, Lennon PP, Wood JA, Enson Y. Pulmonary vascular resistance in emphysema. *Chest* 1994, 105:798-805.
15. Leibowitz, DW, Caputo AL, Shapiro GC, Schulman LL, McGregor CC, DiTullio MR, Schwartz A, Smith CR, Homma S. Coronary angiography in smokers undergoing evaluation for lung transplantation: is routine use justified? *J Heart Lung Transplant* 1994; 33:701-3.
16. Liebowitz D, Smith CR, Michler RE, Ginsburg M, Schulman LL, McGregor CC, Li Mandri G, Weslow RG, DiTullio MR, Homma S. Incidence of complications involving the pulmonary veins following lung transplantation: a prospective transesophageal echocardiographic study. *J Am Coll Cardiol* 1994, 24:671-675.
17. Schulman LL, Enson Y. Role of cyclooxygenase inhibition and hyperoxia in regulating pulmonary perfusion in dogs. *Am J Physiol* 1995, 268 (Heart Circ. Physiol. 37):H1521-H1530.
18. Berkowitz N, Schulman LL, McGregor, C, Markowitz D. Gastroparesis after lung transplantation: potential role in postoperative respiratory complications. *Chest* 1995; 108:1602-1607.
19. Schulman LL, Ho E, Reed EF, McGregor C, Smith CR, Rose EA, Suci-Foca N. Immunologic monitoring in lung allograft recipients. *Transplantation* 1996, 61(2):252-257.
20. Suci-Foca N, Liu Z, Colovai AI, Tugulea S, Reed EF, Mancini D, Cohen DJ, Benvenisty AI, Benstein, JA, Hardy MA, Schulman LL, Rose EA. Role of indirect allorecognition in chronic rejection of human allografts. *Transplantation Proc* 1996, 28(1):404-405.
21. Shreeniwas R, Schulman LL, Berkmen Y, McGregor C, Austin JHM. Opportunistic bronchopulmonary infections after lung transplantation: clinical and radiologic findings. *Radiology* 1996, 200: 349-356.
22. Schulman LL, Leibowitz DW, Anadarangam T, DiTullio MR, McGregor CC, Smith CR, Homma S. Variability of right ventricular functional recovery after lung transplantation. *Transplantation* 1996, 62:622-625.
23. Shane E, Silverberg SJ, Donovan D, Papadopoulos A, Staron RB, Adesso V, Jorgensen B, McGregor C, Schulman LL. Osteoporosis in lung transplantation candidates with end-stage pulmonary disease. *Am J Med* 1996, 101:262-269.

24. Schulman LL, Shreeniwas R, McGregor C, Ginsburg ME, Michler RE, Oz MC, Fisher PE, Smith CR. Bronchial anastomotic complications after lung transplantation. *J Bronchology* 1996, 3: 271-279.
25. Goldstein DJ, Austin JHM, Zuech N, Williams DL, Stoopler M, Michler RE, Schulman LL. Carcinoma of the lung after heart transplantation. *Transplantation* 1996, 62:772-775.
26. Shreeniwas R, Schulman LL, Narasimhan M, McGregor C, Marboe C. Adhesion molecules (E-selectin and ICAM-1) in pulmonary allograft rejection. *Chest* 1996, 110:1143-1149.
27. Schulman LL, Scully B, McGregor C, Austin JHM. Pulmonary tuberculosis after lung transplantation. *Chest* 1997, 111:1459-1462.
28. Liguori C, Schulman LL, Weslow RG, DiTullio MR, McGregor CC, Smith CR, Homma S. Late pulmonary venous complications after lung transplantation. *J Am Soc Echocardiogr* 1997, 10:763-767.
29. Schulman LL, Adesso V, Staron RB, McGregor C, Shane E. Insufficiency fractures of the sacrum: a cause of low back pain after lung transplantation. *J Heart Lung Transplant* 1997, 16:1081-1085.
30. Tugulea S, Ciubotariu R, Colovai AI, Liu Z, Itesciu S, Schulman LL, Fisher PF, Hardy MA, Rose EA, Michler RE, Cortesini R, Suciu-Foca N. New strategies for early diagnosis of heart allograft rejection. *Transplantation* 1997, 64(6):842-847.
31. Nahar T, Savoia MT, Liguori C, DiTullio MR, Schulman LL, Homma S. Spontaneous resolution of pulmonary venous thrombosis after lung transplantation. *J Am Soc Echocardiogr* 1998, 11:209-212.
32. O'Hair DP, Cantu E, McGregor C, Jorgensen B, Gerow-Smith R, Galantowicz ME, Schulman LL. Preliminary experience with mycophenolate mofetil used after lung transplantation. *J Heart Lung Transplant* 1998, 17:864-868.
33. Schulman LL, Weinberg AD, McGregor C, Galantowicz ME, Suciu-Foca N, Itescu S. Mismatches at HLA-DR and HLA-B loci are risk factors for acute rejection after lung transplantation. *Am J Respir Crit Care Med*, 1998, 158: 1833-1837.
34. Donovan DS, Papadopoulos A, Staron RB, Adesso V, Schulman LL, McGregor C, Cosman F, Lindsay R, Shane E. Low bone mass and vitamin D deficiency in adults with cystic fibrosis and advanced lung disease. *Am J Respir Crit Care Med*, 1998, 158: 1892-1899.

35. Schulman LL, O'Hair DP, Cantu E, McGregor C, Ginsberg ME. Salvage by volume reduction of chronic allograft rejection in emphysema. *J Heart Lung Transplant*, 1999, 18:107-112.
36. Shane E, Papadopoulos A, Staron RB, Adesso V, Donovan DS, McGregor C, Schulman LL. Bone loss and fracture after lung transplantation. *Transplantation* 1999, 68:220-227.
37. Zamora MR, Davis RD, Keshavjee SH, Schulman LL, Levin J, Ryan U, Patterson GA. Complement inhibition attenuates human lung transplant reperfusion injury: a multicenter trial. *Chest* 1999, 116 (1 Suppl): 46S.
38. Adesso-Dodd V, Staron RB, Papadopoulos A, Evans L, Schulman LL, Jorgensen B, Gerow-Smith R, Shane E. Bone densitometry should be included in the evaluation of candidates for lung transplantation. *J Transplant Coord* 1999, 9:119-123.
39. Gougoutas CA, Austin JHM, Schulman LL. Gastroparesis after lung transplantation: analysis of the gastric air bubble on chest radiographs. *J Thorac Imaging*, 2000, 15:65-70.
40. Garfein ES, McGregor CC, Galantowicz ME, Schulman LL. Deleterious effects of telescoped bronchial anastomosis in single and bilateral lung transplantation. *Ann Transplant* 2000,5:5-11.
41. Schulman LL, Htun T, Staniloae C, McGregor C, Austin JHM. Pulmonary nodules and masses after lung and heart-lung transplantation. *J Thorac Imaging* 2000,15:173-179.
42. Schulman LL, Weinberg, AD, McGregor CC, Galantowicz ME, Smith CR. Influence of lung injury on early postoperative survival after lung transplantation. *Ann Transplant* 2000, 5:20-25.
43. Garfein ES, Ginsberg M, Gorenstein L, McGregor CC, Schulman LL. Superiority of end-to-end telescoped bronchial anastomosis in single lung transplantation for pulmonary emphysema. *J Thorac Cardiovasc Surg*, 2001 121:149-154.
44. Schulman LL, Weinberg AD, McGregor C, Suci-Foca N, Itescu S. Influence of donor and recipient HLA locus mismatching on development of obliterative bronchiolitis after lung transplantation. *Am J Respir Crit Care Med* 2001, 163:437-442.
45. Imai K, Dalal SS, Chen ES, Downey R, Schulman LL, Ginsburg M, D'Armiento J. Human collagenase (matrix metalloproteinase-1) expression in the lungs of patients with emphysema. *Am J Respir Crit Care Med* 2001, 163:786-791.

46. Schulman LL, Anandarangam T, Leibowitz DW, DiTullio, MR, McGregor CC, Galantowicz ME, Homma S. Four-year prospective study of pulmonary venous thrombosis after lung transplantation. *J Am Soc Echocardiogr* 2001, 14:806-812.
47. Talbot SM, Taub RN, Keohan ML, Edwards N, Galantowicz ME, Schulman LL. Combined heart and lung transplantation for unresectable primary cardiac sarcomas. *J Thorac Cardiovasc Surg*, 2002, 124:1145-1148.
48. Imai K, Mercer BA, Schulman LL, Sonett JR, D'Armiento JM. Correlation of lung surface area to apoptosis and proliferation in human emphysema. *Eur Respir J*. 2005, 25(2):250-258.
49. Maurer MS, Raina A, Hesdorffer C, Bijou R, Colombo P, Deng M, Drusin R, Haythe J, Horn E, Lee SH, Marboe C, Naka Y, Schulman L, Scully B, Shapiro P, Prager K, Radhakrishnan J, Restaino S, Mancini D. Transplantation using extended-donor criteria organs for systemic amyloidosis complicated by heart failure. *Transplantation* 2007, 15;83(5):539-4.

Case Reports

1. Schulman LL, Enson Y. Diffusing capacity to predict arterial desaturation during exercise. (Letter) *N Engl J Med* 1984, 311:376.
2. Schulman LL. Oxygen therapy in sickle cell anemia. (Letter) *N Engl J Med* 1984, 311:1119.
3. Schulman LL, Grimes M. Metastatic Kaposi's sarcoma and bilateral chylothorax. *NY State J Med* 1986. 86(4):205-206.
4. Kaufman DG, Schulman LL, Nagler HM. Cystic fibrosis presenting in a forty-five year old man with infertility. *J Urol* 1986, 136:1081-1082.
5. Schulman LL. Cytomegalovirus Pneumonitis and lobar consolidation. *Chest* 1987, 91(4):558-561.
6. Schulman LL, Enson Y. Nocardia Pneumonitis and the adult respiratory distress syndrome. *Am J Med Sci* 1987, 293(5):315-319.
7. Smiley RM, Navedo AT, Kirby T, Schulman LL. Postoperative independent lung ventilation in a single-lung transplant recipient. *Anesthesiology* 1991, 74:1144-1148.
8. Schulman LL, Austin JHM. Paratracheal radiolucency as a sign of tracheal disruption after heart-lung transplantation. *J Thoracic Imaging* 1994, 9:123-125.
9. Lederman C, Spitz JL, Scully B, Schulman LL, Della-Latta P, Weitzman I, Grossman M. Mycobacterium haemophilum cellulitis in a heart transplant recipient. *J Am Acad Dermatol* 1994; 30(5):804-806.
10. Simsir A, Greenebaum E, Nuovo G, Schulman, LL. Late fatal adenovirus pneumonitis in a lung transplant recipient. *Transplantation* 1998, 65: 592-594.
11. Watanabe M, Homma S, Schulman LL. Fatal cerebral emboli in two recipients of lung transplants from one donor. *Transplantation* 2003, 75:2157-2158.

Reviews, chapters and editorials

1. Schulman LL. Editorial: Quality of life after lung transplantation. *Chest* 1995, 108:1489-1490.

2. Schulman LL. Physiology of the transplanted lung (PP. 519-526) in: Primer on Transplantation. Norman and Suki, editors, 1998, Slack Inc., Chelsea MI.
3. Schulman LL. Editorial: Perioperative mortality and primary graft failure after lung transplantation. Chest 1998, 114: 7-8.
4. Schulman LL. Lung transplantation for Chronic Pulmonary Disease in: Clinics in Chest Medicine, 2000, 21:894-866.
5. Schulman LL. Lung Transplantation Update. J Respir Dis 2000, 21:634-642.
6. Schulman LL. Quality of life Issues in transplantation: thoracic organ transplantation. Transplant Proc 2001, 33:1878-1879.
7. Schulman LL. Physiology of the transplanted lung (PP. 674-680) in: Primer on Transplantation, Second Edition. Norman and Turka, editors, 2001, American Society of Transplantation, Mt. Laurel, NJ.
8. Schulman LL. Relationship between lung transplantation and LVRS in the treatment of advanced for pulmonary emphysema (PP. 237-264) in: Lung Volume Reduction Surgery for End-stage Emphysema. Argenziano editors, 2002, Humana Press Inc.
9. Schulman LL, Estenne M. Effects of transplantation on lung and exercise physiology (PP. 220-244) in: Lung Transplantation. Boe, Estenne, Weder editors, 2003, European Respiratory Society, Sheffield UK.

Abstracts

1. Schulman LL, Enson Y. Effects of hyperoxia and prostaglandin inhibition on pulmonary vascular resistance in canine granulomatous lung disease. *Am Rev Resp Dis* 1984, 129(4):331.
2. Schulman LL, Wood JA, Enson Y. Prostanoids attenuate hypoxic vasoconstriction in canine granulomatous lung disease. *Clin Res* 1984, 32(20):530.
3. Schulman LL, Enson Y. Determinants of shunt flow in canine granulomatous lung disease. *Physiologist* 1984, 27(4):280.
4. Schulman LL, Enson Y. Oxygen enrichment induces pulmonary vasodilation after prostaglandin inhibition. *Am Rev Resp Dis* 1985, 131(4):424.
5. Lennon PF, Schulman LL, Enson Y. Effect of air trapping on single breath diffusing capacity measurement. *Am Rev Resp Dis* 1985, 131(4):61.
6. Schulman LL, Enson Y. Hyperoxia induces pulmonary vasodilation after cyclooxygenase inhibition. *Chest* 1985, 88:465.
7. Schulman LL, Lennon PF, Ratner SJ, Enson Y. Vasodilator prostanoids regulate perfusion in acute oleic acid pulmonary edema. *Am Rev Resp Dis* 1986, 133(4):160.
8. Schulman LL, McCullough P, Lennon PF, Wood JA, Enson Y. Pulmonary vascular resistance in emphysema. *Am Rev Resp Dis* 1986, 133(4):223.
9. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y. Respiratory complications of cardiac transplantation. *J Heart Transplantation* 1987, 5(5):387.
10. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y, Reemtsma K. Utility of airway endoscopy in the diagnosis of respiratory complications of cardiac transplantation. *Am Rev Respir Dis* 1987, 135(4):110.
11. Schulman LL, Smith CR, Drusin R, Rose EA, Enson Y, Reemtsma K. Respiratory complications of cardiac transplantation. *Am Rev Respir Dis* 1987, 135(4):43.
12. Schulman LL, Smith CR, Drusin R, Rose EA, Enson, Y, Reemtsma K. Cytomegalovirus Pneumonitis after cardiac transplantation. *Chest* 1987, 92(2):55S.
13. Austin JHM, Mastrobattista JD, Schulman LL. Pulmonary infection in cardiac transplant recipients clinical-radiologic correlations. *Am Rev Respir Dis* 1988, 137(4):245.

14. Kirby TK, Smith C, Schenkel F, Vargo R, Barr M, Rice TW, McCarthy PM, Schulman LL, Mehta A. Changing indications for single lung transplantation. *Chest* 1991, 100(2):464S.
15. Kirby TK, Smith C, Schenkel F, Vargo R, Barr M, Rice TW, McCarthy PM, Schulman LL, Mehta A. Immediate postoperative steroids and normal bronchial healing in lung transplantation. *Chest* 1991, 100:64S.
16. Auteri JS, Michler RE, Schulman LL, McGregor C, Schenkel FA, Smith C. Steroids and bronchial healing in lung transplantation: early clinical experience. *J Heart Lung Transplant* 1992, 11:216.
17. Shreeniwas R, Marboe C, McGregor C, Zanger D, Schulman LL. Adhesion molecules in pulmonary allograft rejection. *Am Rev Respir Dis* 1993, 147(4):A197.
18. Berkowitz N, Schulman LL, McGregor C, Markowitz D. Gastroparesis after lung transplantation: Potential role in postoperative complications. *Am Rev Respir Dis* 1993, 147(4):A605.
19. Schulman LL, Ho E, Reed E, Marboe C, Suciu-Foca N. Association between infiltrating lymphocyte growth and acute rejection in lung allograft recipients. *Am Rev Respir Dis* 1994; 149(4): A1095.
20. Schulman LL, McGregor C, Ho E, Reed E, Suciu-Foca N. The role of anti-HLA antibodies in lung transplantation. *Am Rev Respir Dis* 1994; 149(4): A1096.
21. Leibowitz D, Michler R, Smith C, Ginsburg M, Schulman L, McGregor C, Weslow R, DiTullio M, Homma S. Complications involving the pulmonary venous anastomoses after lung transplantation: a prospective transesophageal echocardiographic study. *J Heart Lung Transplantation* 1994, 13:S29.
22. Leibowitz D, Caputo A, Shapiro G, Schulman L, McGregor C, Ginsburg M, Michler R, Smith C, DiTullio M, Homma S. Yield of coronary angiography in smokers undergoing evaluation for lung transplantation. *J. Heart Lung Transplantation* 1994, 13:S86.
23. Leibowitz D, Michler R, Smith C, Ginsburg M, Schulman L, McGregor C, Weslow R, DiTullio M, Homma S. Importance of imaging the pulmonary veins after lung transplantation : a prospective transesophageal echocardiographic study. *J Am Coll Cardiol* 1994, 24(2):357A.
24. Leibowitz D, Caputo A, ,Shapiro G, Schulman L, McGregor C, Ginsburg M, Michler R, Smith C, DiTullio M, Homma S. Is routine use of coronary angiography justified for smokers undergoing lung transplantation evaluation? *J Am Coll Cardiol* 1994, 24(2):435A.

25. Shane E, Schulman LL, McGregor C, Adesso V, Staron RB, Factor-Litvak P. Skeletal status in patients with end-stage lung disease may increase risk of fracture after transplantation. *J Heart Lung Transplantation* 1995; 14: S38.
26. Shreeniwas R, Austin JHM, Berkmen Y, McGregor C, Schulman LL. Opportunistic bronchopulmonary infections after lung transplantation: clinical and radiologic correlations. *Am J Respir Crit Care Med* 1995; 151(4): A90.
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