

CURRICULM VITAE

MARK M. LEVINSON, M.D., F.C.C.P.

Birthdate: January 31, 1952

Birthplace: Seattle, Washington

Spouse: Kim A. Levinson

Children: Matthew , Kendall, Jessica, Lukas



PROFESSIONAL HISTORY

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| 7/97 - Present | Chief, Cardiothoracic Surgery, Promise Regional Medical Center, Hutchinson, Kansas. |
| 7/95-Present | Founder and Editor-In-Chief, The Heart Surgery Forum® multimedia journal and Internet Web site, Moderator of the OpenHeart-L listServ for Cardiovascular Specialists. |
| 10/87-6/97 | Private Practice, Cardiovascular and Thoracic Surgery, Providence Hospital Seattle, Wash. |
| 3/90-6/97 | Research Associate, Hope Heart Institute, Seattle, Wash. |

- 3/88-6/92 Voting Member, Circulatory Systems Panel, Center for Devices and Radiologic Health, Food & Drug Administration.
- 4/98 - Present Scientific Advisory Board, Abiomed, Inc.
- 1/98 - 2000 Scientific Advisory Board, US Surgical Corp.
- 1/98 - 2000 Advisory Panel, MedAscend, Inc.
- 1/98-2006 Associate Clinical Professor of Surgery, Division of Cardiothoracic Surgery, University of Virginia, Charlottesville, VA.
- 11/86 - 2/87 Chief of Cardiothoracic Surgery, Tucson Veterans Administration Medical Center, Tucson, Ariz.
- 5/86 - 2/87 Director, Single Lung Transplant Project, University Medical Center, Tucson, Ariz.
- 7/85 - 2/87 Director, Artificial Heart Team, University Medical Center, Tucson, Ariz.
- 7/85 - 2/87 Assistant Professor, Cardiothoracic Surgery, Department of Surgery, University of Arizona School of Medicine, Tucson, Ariz.

POST-GRADUATE TRAINING

- 7/84 - 6/85 Chief Resident, Cardiothoracic Surgery, University of Arizona Health Sciences Center, Tucson, Ariz.; Division Chief - Jack G. Copeland, M.D.
- 7/83 - 6/84 Junior Cardiothoracic Resident, University of Arizona Health Sciences Center, Tucson, Ariz.; Division Chief - Jack G. Copeland, M.D.
- 7/82 - 6/83 Chief Resident, General Surgery, University of Arizona Health Sciences Center, Tucson, Ariz.; Department Chairman - Stephen Wangenstein, M.D.
- 1/81 - 6/82 Assistant Resident, General Surgery, University of Arizona Health Sciences Center, Tucson, Ariz.; Department Chairman - Stephen Wangenstein, M.D.
- 7/79 - 12/80 Assistant Resident, General Surgery, Stanford University School of Medicine, Stanford, Calif.; Department Chairman - John A. Collins, M.D.
- 7/78 - 6/79 Intern, General Surgery, Stanford University School of Medicine, Stanford, Calif.; Department Chairman - John A. Collins, M.D.

- 8/77 - 9/77 Acting Internship, Cardiac Surgery, Massachusetts General Hospital, Boston, Mass.; Supervisor - Mortimer J. Buckley, M.D.
- 11/76 - 12/76 Acting Internship, Vascular Surgery Service, University of California at San Francisco; Supervisor- Edwin J. Wylie, M.D.

EDUCATION

- 1974 - 1978 Bowman Gray School of Medicine; Wake Forest University, Winston-Salem, North Carolina - Doctor of Medicine.
- 1973 - 1974 University of Washington, Seattle - Doctorate Program in Pathology
- 1969 - 1973 University of Washington, Seattle, - B.S. Microbiology

HONORS & AWARDS

- 2004 America's Top Surgeons 2004-2005 from Consumers' Research Council
- 1977 Alpha Omega Alpha, awarded as junior medical student

CERTIFICATIONS

- 5/24/86 American Board of Thoracic Surgery, Certificate #4400
Recertified in 1996 and 2004
- 6/1/84 American Board of Surgery, Certificate # 29722
- 7/2/79 Diplomat; National Board of Medical Examiners

FELLOWSHIPS

- 10/90 Fellow of American College of Chest Physicians (F.C.C.P.)

SOCIETY MEMBERSHIPS

Founding Member of ISMICS (International Society of Minimally Invasive Cardiac Surgery)
 Member of STS (Society of Thoracic Surgery)
 ACCP (American College of Chest Physicians) - Past Member
 ISAO (International Society of Artificial Organs) - Past Member
 ISHLT (International Society for Heart and Lung Transplantation) - Past Member

LABORATORY RESEARCH

- 3/90 Dynamic Cardiomyoplasty - development of surgical techniques to utilize skeletal muscle for biological assistance of the failing left ventricle. Hope Heart Institute, Seattle, Wash.
- 6/86 - 2/87 Myocardial effects of chronic cyanosis. Cardiothoracic research laboratory, University Medical Center, Tucson, Ariz.
- 7/78 - 9/78 Inner ear physiology and microdissection. Kresge Hearing Institute, University of Michigan, Ann Arbor, Mich.; Supervisor - Joseph E. Hawkins, Jr., Ph.D.
- 7/74 - 12/74 Platelet mediators of aggregation. Department of Pathology, University of Washington, Seattle, Wash.; Supervisor - David Lagunoff, M.D.
- 6/73 - 9/73 Antibody responsiveness in oncology patients. Department of Pediatrics, Section of Immunology, University of Washington, Seattle, Wash.; Supervisor - Starkey Davis, M.D.

PUBLICATIONS

- Levinson MM. Subxiphoid multi-arterial OPCAB: surgical technique and initial case report. Heart Surg Forum #2005-1138; 8(4):183-190, 2005.
- Levinson MM. Endarterectomy for preventing stroke in symptomatic and asymptomatic carotid stenosis. Review of clinical trials and recommendations for surgical therapy. Heart Surg Forum #1999-73245; 2(2):147-168, 1999.
- Levinson MM. Intraoperative monitoring during cardiac surgery: some observations. Heart Surg Forum # 1999-2858; 2(2):111-114, 1999.
- Levinson, MM and Fonger J. Minimally invasive atrial septal defect closure using the subxyphoid approach. Heart Surg Forum #1998-2875 ; 1(1):49-53, 1998.
- Levinson MM. Introducing multimedia scientific publishing and the new HSF. Heart Surg Forum E1998-52546; 1(1):17-19, 1998.
- Levinson MM and Fooks, G. Coronary grafting using a temporary intraluminal shunt instead of heart-lung bypass. Ann Thor Surg 60(6):1800-1, Dec 1995.
- Levinson MM: The spectrum of pathophysiology and complications in human recipients of the Jarvik-7 artificial heart. In Cardiac Surgery - State of the Art Reviews Vol 3 Num 3: Cardiothoracic Transplantation II, pg 551-576. Hanley & Belfus, Inc., Philadelphia, Oct 1989.
- Levinson MM, Copeland JG: The artificial heart and mechanical assistance prior to transplantation. In Cerilli, GJ (ed.) Organ Transplantation and Replacement. J.B.Lippincott, Philadelphia. 1988.

- Levinson MM, Copeland JG: Technical aspects of Total Artificial Heart implantation for temporary applications. *J Cardiac Surg* 2(1):3-16, Mar 1987.
- Levinson MM, Smith RG, Cork RC, Gallo JA, Emery RW, Icenogle TB, Ott RA, Copeland JG: Clinical problems associated with the Total Artificial Heart as a bridge to transplantation. In Andrade J (ed): *Artificial Organs: Proceedings of the International Symposium on Artificial Organs, Biomedical Engineering, and Transplantation in Honor of the 75th Birthday of Willem J. Kolff*, pg 179-190. VCH Publishers, Inc., New York, 1987.
- Levinson MM, Smith RG, Cork RC, Gallo JA, Emery RW, Icenogle TB, Ott RA, Burns GL, Copeland JG: Thromboembolic complications of the Jarvik-7 Total Artificial Heart: case report. *Artificial Organs* 10(3):236-244, 1986.
- Levinson, MM, Copeland JG, Smith RG, Cork RC, DeVries WC, Mays JB, Griffith BP, Kormos R, Joyce LD, Pritzker MR, Semb BKH, Koul B, Menkis AH, Keon WJ: Indexes of hemolysis in human recipients of the Jarvik-7 Artificial Heart: a cooperative report of 15 patients. *Heart Transplantation* 5(3):236-248, May/June 1986.
- Levinson MM, Smith RG, Cork RC, Gallo JA, Icenogle TB, Emery RW, Ott RA, Copeland JG: Three recent cases of the Total Artificial Heart prior to transplantation. *Heart Transplantation* 5(3):215-228, May-June 1986.
- Levinson MM, Copeland JG: The organ donor: physiology and maintenance considerations. In Brown BR Jr (ed) *Contemporary Anesthesia Practice, Volume 10: Anesthesia and Transplantation Surgery*, pg 31-45. F.A. Davis, Co., Philadelphia, 1986.
- Levinson MM, Tsang D: Multicentric malignant fibrous histiocytomas of the colon. Report of a case and review of the subject. *Dis Colon Rectum* 25(4):327-331, May-June 1982.
- Levinson MM, Scuderi PE, Gibson RL, Comer PB: Emergency percutaneous transtracheal ventilation. *JACEP* 8(10):396-400, Oct 1979.
- Villar HV, Neal DD, Levinson MM, Fuller JM, Emery RW, Graham AR, Copeland J, Rhenman MJ, Copeland JG: Gastrointestinal complications after human transplantation and mechanical heart replacement. *Am J Surg* 157(1):168-174, Jan 1989.
- Copeland JG, Emery RW, Levinson MM, Icenogle TB, Carrier M, Ott RA, Copeland JA, McAleer-Rhenman MJ, Nicholson SM: Selection of patients for cardiac transplantation. *Circulation* 75(1):2-9, Jan 1987.
- Copeland JG, Levinson MM, Smith R, Icenogle TB, Vaughn C, Cheng K, Ott R, Emery RW: The total Artificial heart as a bridge to transplantation. A report of two cases. *JAMA* 256(21):2991-2995, Dec 5, 1986.
- Copeland JG, Emery RW, Levinson, MM, Icenogle T: Immunosuppression following cardiac transplantation. In Brown BR Jr (ed) *Contemporary Anesthesia Practice, Volume 10: Anesthesia and Transplantation Surgery*, pg 233-240. F.A. Davis, Co., Philadelphia, 1986.

- Copeland JG, Emery RW, Levinson MM, Icenogle TB, Riley JE, McAleer MJ, Copeland JA, Dietz R: Cyclosporine: an immunosuppressive panacea? J Thor Cardiovasc Surg 91(1):26-39, Jan 1986.
- Emery RW, Cork R, Christensen R, Levinson MM, Icenogle TB, Riley J, Ott RA, Copeland JG: Cardiac transplant patient at one year. Cyclosporine vs. conventional immunosuppression. Chest 90(1):29-33, July 1986.
- Carrier M, Emery RW, Riley JE, Levinson MM, Copeland JG: Cardiac transplantation in patients over 50 years of age. J Am Coll Cardiol 8(2):285-288, Aug 1986.
- Vaughn CC, Copeland JG, Cheng K, Austin J, Levinson MM, Emery RW: Interim cardiac replacement with a mechanical heart: Staged cardiac transplantation. Texas Heart Inst J 13(10):45-52, 1986
- Emery RW, Cork RC, Levinson MM, Riley JE, Copeland J, McAleer MJ, Copeland JG: The cardiac donor: a six year experience. Ann Thor Surg 41(4):356-362, Apr 1986.
- Icenogle TB, Levinson MM, Copeland JG, Emery RW: Use of pericardial fat pad flap to prevent bronchopleural fistula. Ann Thor Surg 42(2):216-7, Aug 1986.
- Copeland JG, Emery RW, Levinson MM, Copeland J, McAleer MJ, Riley JE. The role of mechanical support and transplantation in treatment of patients with end-stage cardiomyopathy. Circulation 72(3 Pt 2):II 7 - II 12, Sept 1985.
- Vaughn CC, Copeland JG, Cheng K, Austin J, Levinson MM: Interim heart replacement with a mechanical device; an adjunct to the management of allograft rejection. Heart Transplantation IV(5):502-505, Sept/Oct 1985.
- Fuller J, Levinson MM, Kline JR, Copeland J: Legionnaires' Disease after heart transplantation. Ann Thor Surg 39(4):308-311, Apr 1985.

ABSTRACTS

- Levinson MM and Fonger J. Minimally invasive subxyphoid closure of atrial septal defects. First World Congress on Minimally Invasive Cardiac Surgery. Palais des Congres, Paris, France, May 1997.
- Levinson MM, Smith RG, Copeland JG, Icenogle TB, Cork RC: Reducing stroke and other morbidity in human Artificial Heart recipients. International meeting on heart transplantation, total artificial heart, and assist devices. Sponsored by the Belgium Heart Association, under the auspices of the International Society of Artificial Organs, 3/87.
- Levinson MM, Smith RG, Copeland JG, Icenogle TB: Patient selection in early human temporary Artificial Heart experience. International meeting on heart transplantation, total artificial heart, and assist devices. Sponsored by the Belgium Heart Association, under the auspices of the International Society of Artificial Organs, 3/87.

- Levinson MM, Copeland JG, Smith RG, Cork RC, DeVries WC, Mays JB, Griffith B, Kormos R, Joyce LD, Pritzker M, Semb BKH, Koul B, Menkis AH, Keon WJ: Reducing hemolysis and stroke complications in human recipients of the Jarvik-7 Total Artificial Heart: a report of 15 patients. American College of Cardiology, 3/87.
- Rhenman B, Copeland JG, Emery RW, Levinson MM, Marx GR, Allen HD, Donnerstein R, Goldberg S, Icenogle TB, Ott RA: Arterial Switch Operation for Simple and Complex Transposition of the Great Arteries (TGA). Presented at the 3rd annual symposium on Congenital Heart Disease, San Diego, Sponsored by Sharp Memorial Hospital, 3/6/87.
- Villar HV, Neal DD, Levinson MM, Fuller JK, Emery RW, Graham AR, Copeland JG: Gastrointestinal complications after human and mechanical heart transplantation. 106th annual meeting of the American Surgical Association, 1987.
- Corrigan JJ Jr, Jeter M, Smith RG, Levinson MM, Copeland JG: Fibrinolytic peptides in Artificial Heart recipients. XIth Congress on Thrombosis and Hemostasis, Brussels, 1987.
- Ott RA, Emery RW, Levinson MM, Copeland JG: Cyclosporine: a 3 year experience. Presented at the 52nd annual Scientific Assembly of the American College of Chest Physicians, San Francisco, Calif. 9/24/86.
- Copeland JG, Emery RW, Levinson MM, Icenogle TB, Marx GR, Allen HD, Donnerstein RL, Goldberg SJ. Experience with the Vessel Switch Operation in newborns and infants. American Association of Thoracic Surgery, 4/86.
- Copeland JG, Mackey H, Riley J, Levinson MM, Cork R, Emery RW: Eight year experience with surgical correction of Complete A-V Canal. American College of Cardiology, 3/86.
- Carrier MC, Copeland JG, Levinson MM, Emery RW: The effectiveness of cardiac transplantation in hospitalized patients. Society of Thoracic Surgeons, 3/86.
- Cork RC, Gallo JA, Levinson MM, Smith RG, Copeland JG: The Phoenix heart and the Jarvik-7: a comparison of two case studies. International Symposium on Anesthesia for the Cardiac Patient, 1986.
- Cork RC, Gallo JA, Levinson MM, Smith RG, Copeland JG: Systemic vascular effects of bolus injection of protamine utilizing a Jarvik-7 Artificial Heart. International Symposium on Anesthesia for the Cardiac Patient, 1986.
- Emery RW, Levinson MM, Copeland JA, McAleer MJ, Copeland JG: The cardiac donor: a 5 year experience. Society of Thoracic Surgeons 3/85.
- Levinson MM, Smith RG, Gallo JA, Cork RC, Emery RW, Icenogle TB, Ott RA, Copeland JG: Clinical problems facing recipients of the Total Artificial Heart as a bridge to cardiac transplantation. International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah, 1/22/85.
- Levinson MM, Smith RG, Gallo JA, Cork RC, Emery RW, Icenogle TB, Ott RA, Copeland JG:

Diastolic vacuum augments medical therapy of pulmonary edema following Jarvik-7 Total Artificial Heart implantation. International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah, 1/22/85.

Copeland JG, Copeland JA, Levinson MM, Emery RW: The Ionescu-Shiley Low Profile valve, early clinical evaluation. International Symposium on Cardiac Bioprotheses, London 1985.

Levinson MM, Van der Werf G, Ramirez R, Copeland JG: Neurologic safety of low flow perfusion. American Association of Thoracic Surgeons, 12/84.

Emery RW, Levinson MM, Copeland JA, McAleer MJ, Copeland JG: Cyclosporine: an immunosuppressive panacea? - update. American Association of Thoracic Surgeons, 12/84.

Emery RW, Levinson MM, Copeland JG: The cardiac donor: the Arizona experience. American Association of Thoracic Surgeons, 12/84.

Copeland JG, Copeland JA, Levinson MM, Campbell DW, Fuller JK, Emery RW: The Ionescu-Shiley Low Profile valve - laboratory and clinical experience. American Association of Thoracic Surgeons, 12/84.

Emery RW, Levinson MM, Copeland JA, McAleer MJ, Copeland JG: Cyclosporine: an immunosuppressive panacea? Society of Thoracic Surgeons, 11/84.

Emery RW, Levinson MM, Copeland JG: Cardiac transplantation in patients over 50 years of age. American College of Cardiology, 10/84.

Copeland JG, Copeland JA, Levinson MM, Campbell DW, Fuller JK, Emery RW: The Ionescu-Shiley Low Profile valve: current bioprosthesis of choice. Society of Thoracic Surgeons 10/84.

Levinson MM, Fuller JK, Barbee RA, Emery RW, Copeland JG: The diagnostic value of open lung biopsy. American College of Chest Physicians, 11/83.

LECTURES & PRESENTATIONS

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| 3/16/02 | What's New in Cardiac Surgery. Great Bend, Kansas. |
| 4/17/99 | Carotid Stenosis. When to Operate. The Western Kansas Physicians Conference. Hutchinson Hospital, Hutchinson, Kansas. |
| 5/11/98 | "The Internet for Cardiothoracic Surgeons". The 25th Annual Congress of the Brazilian Society of Cardiac Surgery. The Melia Hotel, São Paulo, Brazil. |
| 5/11/98 | "Minimally Invasive ASD Closure By Subxyphoid Approach". The 25th Annual Congress of the Brazilian Society of Cardiac Surgery. The Melia Hotel, São Paulo, Brazil. |
| 5/11/98 | "Live Demonstration of the CardioStitch® Valve Suturing Device". The 25th |

- Annual Congress of the Brazilian Society of Cardiac Surgery. The Melia Hotel , São Paulo, Brazil.
- 5/11/98 "Techniques of Complete Arterial Grafting". The 25th Annual Congress of the Brazilian Society of Cardiac Surgery. The Melia Hotel , São Paulo, Brazil.
- 6/12/96 "The Internet for Cardiologists and Cardiac Surgeons". The Fourth Annual Cardiovascular Symposium of The Providence Medical Center. The Westin Hotel June 12, 1996, Seattle.
- 1/30/96 "The Internet for Cardiac Surgeons". Special Presentation and Hospitality at the 32nd Annual Meeting of The Society of Thoracic Surgery, Orlando, Florida.
- 3/9/87 "Reducing Stroke and Hemolysis Complications in the Jarvik-7 Artificial Heart: A cooperative report." Presented at the American College of Cardiology, New Orleans, La.
- 1/24/87 "Physiology of the Organ Donor." Treatment Options in End Stage Cardiac Disease, Symposium on cardiac support and replacement at Ventana Canyon resort, Tucson, Ariz. Sponsored by the University of Arizona, Tucson.
- 1/24/87 Moderator for scientific presentations and panel discussion on Mechanical Support Devices; at Treatment Options in End Stage Cardiac Disease, Symposium on cardiac support and replacement at Ventana Canyon resort, Tucson, Ariz. Sponsored by the University of Arizona, Tucson.
- 10/17/86 "Implantation of Total Artificial Hearts and Left Ventricular Assist Devices.: The 4th annual Critical Care Conference for Southern Colorado, Colorado Springs, Colo.
- 10/7/86 "The Tucson experience." Presentation on clinical problems with the Jarvik-7 Artificial Heart at the second Principal Investigator's symposium, Marriott Hotel, Minneapolis, Minn.
- 9/26/86 "Surgical technique of implanting the artificial heart for temporary application." Symposium on Myocardial Dysfunction in Ischemic Heart Disease: Medical and Surgical Considerations. University of California, San Diego, Calif.
- 9/26/86 "Current status of total heart replacement." Symposium on Myocardial Dysfunction in Ischemic Heart Disease: Medical and Surgical Considerations. University of California, San Diego, Calif.
- 9/24/86 "World experience with the Total Artificial Heart as a bridge to transplantation." Invited lecture, American College of Chest Physicians 52nd Annual Scientific Assembly, San Francisco, Calif.; Chairman - Lyle D. Joyce, M.D.
- 8/86 "Massive Hemoptysis", Grand Rounds, General Surgery.

- 7/16/86 "The University Medical Center's experience with the Artificial Heart." 22nd annual Day of Surgery and Medical Seminar, sponsored by the Coconino County Medical Society, Flagstaff, Ariz.
- 4/3/86 "Bleeding complications with the Jarvik heart". Blood Systems annual Medical Directors meeting, Blood Systems Inc., Doubletree Inn, Scottsdale, Ariz.
- 3/15/86 "The Tucson experience" Presentation on clinical problems with the Jarvik-7 Artificial Heart at the first Principal Investigators symposium, Hilton Hotel, Salt Lake City, Utah.
- 2/22/86 "Heart Transplants and Artificial Hearts: present procedures". Engineer's Day, Arizona Council of Engineering and Scientific Associations, Plaza International Hotel, Tucson, Ariz.
- 2/86 "Physiological aspects of cardiac surgery", invited lecture to the sophomore class of the School of Medicine; Sponsor - Dr. Paul Johnson, Ph.D., Chairman of Physiology.
- 1/24/86 "The Artificial Heart - clinical problems and their possible causes and solutions. Bioengineering seminar, College of Engineering and School of Medicine, University of Washington, Seattle, Wash; Chaired by Allan S. Hoffman, Ph.D.
- 1/22/86 "Clinical problems facing recipients of the Total Artificial Heart as a bridge to transplantation; results in two patients". International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah.
- 1/22/86 "The economics of the Artificial Heart." International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah.
- 1/22/86 "Guidelines for the application of the Total Artificial Heart for temporary use: . Lecture and panel discussion, International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah.
- 1/22/86 "Diastolic vacuum augments medical therapy of pulmonary edema following Jarvik-7 Total Artificial Heart implantation. Poster session at the International Symposium on Artificial Organs, Biomedical Engineering and Transplantation, Salt Lake City, Utah.
- 1/15/86 "Artificial Heart as a bridge to transplantation." Invited lecture, Cardiothoracic Surgery Grand Rounds at the University of California, Los Angeles, School of Medicine; Chaired by Hillel Laks, M.D., Chief of Cardiothoracic Surgery.
- 12/17/85 "Thromboembolic complications of the Total Artificial Heart, new insights". Invited lecture presented at the 9th annual Contractor's meeting, Section of Devices and Technology Branch, Division of Heart & Vascular Diseases,

National Heart, Lung, and Blood Institute, National Institute of Health, Bethesda Md.; Session chairman John Watson, Ph.D., Chief of Devices and Technology branch of NIH.

- 11/11/85 "The Artificial Heart as a bridge to transplantation, the University of Arizona experience." Heart/Lung conference at St. Luke's Medical Center, Phoenix, Ariz.
- 10/16/85 "The Artificial Heart." Medical-Surgical Grand Rounds, Harbor-UCLA Medical Center, Torrance, Calif.
- 10/16/85 "The use of the Artificial Heart in transplantation." Kaiser Foundation Hospital-Sunset, Los Angeles, Calif.
- 10/12/85 "Recent experiences with the Artificial Heart prior to transplantation". Rounds in Cardiothoracic Surgery, University of Washington School of Medicine, Seattle, Wash.
- 10/11/85 "Recent experiences with the Artificial Heart prior to transplantation. Cardiology Grand Rounds, Providence Medical Center, Seattle, Wash.
- 10/7/85 "Experience with the world's first survivor of the Artificial Heart as a bridge to transplantation", Panel Discussion: "Cardiac Replacement, Biologic vs. Mechanical." at the 5th World Congress of the International Society of Artificial Organs, Chicago, Ill.; Chairman - Adrian A. Kantrowitz, M.D.
- 10/7/85 "Thromboembolic Complications of the Total Artificial Heart in Man." Scientific presentation, forum on "Blood-Material Interface". 5th World Congress of the International Society of Artificial Organs, Chicago, Ill.; Chairman - Paul Didisheim, M.D.
- 8/85 "Traumatic Aortic Rupture", Grand Rounds, General Surgery
- 4/85 "Heart Transplantation - an update", invited lecture to the Minority Medical Students Society, University of Arizona School of Medicine.
- 10/11/84 "The diagnostic value of open lung biopsy". The 50th Annual Scientific Assembly of the American College of Chest Physicians, Dallas, Tex.