

WALTER H. MERRILL, M.D.

CURRICULUM VITAE

- Present Position:** Chief of Staff
Vanderbilt University Hospital
1161 21st Avenue South
AA-1204 Medical Center North
Nashville, TN 37232
- Education:** The University of the South,
Sewanee, Tennessee, B.A.
September 1966 – June 1970
- The Johns Hopkins University School of Medicine,
Baltimore, Maryland, M.D.
September 1970 – May 1974
- Postgraduate:** Surgical Intern and Assistant Resident,
The Johns Hopkins Hospital
Baltimore, Maryland
July 1974 – June 1976
- Assistant Resident, Resident in General Surgery
The Johns Hopkins Hospital
Baltimore, Maryland
July 1978 – June 1980
- Assistant Resident, Resident in Cardiothoracic Surgery
The Johns Hopkins Hospital
Baltimore, Maryland
July 1980 – June 1982
- Research:** Clinical Associate, Clinic of Surgery
National Heart, Lung and Blood Institute
National Institutes of Health
Bethesda, Maryland
July 1976 – June 1978
- Fellowship:** Senior Registrar, Thoracic Unit
The Hospital for Sick Children
Great Ormond Street, London
July 1982 – June 1983
- Board Certification:**

American Board of Surgery (27838)	1982
Recertified	1992, 2000
American Board of Thoracic Surgery (4021)	1983
Recertified	1992, 2001
American Board of Surgery, Certificate of Added Qualifications in Surgical Critical Care (448)	1989
Recertified	1999

Licensure:

National Board of Medical Examiners (146131)	1975
Maryland State License (D19228)	1976
Tennessee State License (MD014724)	1983
Ohio State License (35-08-1129M)	2002
Kentucky State License (TP488)	2003
Mississippi State License (20559)	2009

Memberships:

Alpha Omega Alpha, Faculty
 American Association for the Advancement of Science
 American Association for Thoracic Surgery
 American College of Cardiology, Fellow
 American College of Surgeons, Fellow
 American College of Surgeons, Ohio Chapter
 American Heart Association
 American Medical Association
 American Surgical Association
 A.G. Morrow Society
 Association for Academic Surgery
 Association of Veterans Administration Surgeons
 Central Surgical Association
 Cincinnati Surgical Society
 Halsted Society

Memberships (continued):

H. William Scott Society
 International Society for Heart and Lung Transplantation
 Mont Reid Surgical Society
 Society of Thoracic Surgeons
 Society of University Surgeons
 Southeastern Surgical Congress
 Southern Surgical Association
 Southern Thoracic Surgical Associations

Former Positions:

Assistant Professor	Department of Cardiac and Thoracic Surgery Vanderbilt University School of Medicine Nashville, Tennessee	1983-1987
Associate Professor	Department of Cardiac and Thoracic Surgery Vanderbilt University School of Medicine Nashville, Tennessee	1987-1993
Professor	Department of Cardiac and Thoracic Surgery Vanderbilt University School of Medicine Nashville, Tennessee	1993-2002
Chief	Cardiothoracic Surgical Service Department of Veterans Affairs Nashville Medical Center Nashville, Tennessee	1983-1988 & 1991-1999
Chief	Surgical Service Department of Veterans Affairs Nashville Medical Center Nashville, Tennessee	1992-2002
Interim Chair	Department of Cardiac and Thoracic Surgery Vanderbilt University School of Medicine Nashville, Tennessee	1996-1997
Chief	John B. Flege, Jr. Professor Chief, Section of Cardiothoracic Surgery University of Cincinnati Medical Center Department of Surgery 231 Albert B. Sabin Way Cincinnati, Ohio 45267-0558	2002-2009

Former Positions (continued):

Chief	Professor of Surgery Chief, Division of Cardiothoracic Surgery University of Mississippi Medical Center Department of Surgery 2500 North State Street Jackson, MS 39216
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Committees:

Vanderbilt University Medical Center, Nashville, Tennessee

Tumor Committee	1983-1988
Professional Practice Committee	1985-1988
Medical School Admission Committee	1985-1992
Standing Policy Committee: Goals and Governance	1987-1990
Advisory Council, Vanderbilt University School of Medicine	1989-1992
Third Bed Tower Planning Committee	1991-1993
Anesthesiology Chair Search Committee	1992-1993
Cardiovascular Curriculum Advisory Committee	1996-1997
Care Improvement Committee	1996-1997
Operating Room Committee	1996-1997
Credentials Committee	1997-2002
Hospital Medical Board, Member at Large	1999-2001
Hospital Medical Board, Chair Elect	2001-2002

Veterans Administration Hospital, Nashville, Tennessee

Chairman, Tissue and Transfusion Committee	1992-2002
Clinical Executive Board	1992-2002
Clinical Services Chiefs	1992-2002
Resource Allocation Committee	1992-2002
Strategic Planning Board	1992-2002

University of Cincinnati College of Medicine

General Surgery Residency Committee	2002 – 2009
Special Care Committee	2002 – 2009
Chair, Anesthesiology Chair Search Committee	2002 – 2003
GME Housestaff Work Hours Task Force	2003 – 2009
GME Housestaff Work Hours Task Force, Chair	2006 – 2009
Operating Board, UC Heart and Vascular Center	2003 – 2009
Interim Director, UC Heart and Vascular Center	2004 – 2006
Chair, Vascular Chief Search Committee	2004 – 2007

Committees (continued):

Health Alliance, Cincinnati, Ohio

Cardiovascular Service Line Steering Committee	2002 – 2005
Christ Hospital Heart Tower Task Force	2003 – 2004
Co-chair, New yoU Committee	2003 – 2007
Cardiovascular Performance Improvement Committee	2003 – present

Professional Activities:

Director, Surgical Intensive Care Unit, Nashville VA Medical Center	1983-1984
Principal Investigator, VA Cooperative Studies Program, "Spontaneous Pneumothorax," (#196)	1983-1989
Program Director, Program in Cardiovascular Perfusion, Vanderbilt University Medical Center	1983-1997
Scientific Advisory Committee, Middle Tennessee Chapter, American Heart Association	1984-1985
Peer Review Committee, Middle Tennessee Chapter, American Heart Association	1986-1988
Medical Director, Surgical Intensive Care Unit, Vanderbilt University Hospital	1988-1989
Member, Medicolegal Committee, Nashville Academy of Medicine	1988-1991
Associate Medical Director, Surgical Intensive Care Unit, Vanderbilt University Hospital	1989-1994
Member, Program Committee, Nashville Surgical Society	1989-1990
Member, Program Committee, Southern Thoracic Surgical Association	1990-1992
Editorial Board, <i>Cardiology in the Young</i>	1991-1994
Editorial Board, <i>Clinical Intensive Care:</i> <i>International Journal of Critical and Coronary Care Medicine</i>	1991-1995
Representative for Perfusion Affairs, Society of Thoracic Surgeons	1993-2002
Principal Investigator, VA Cooperative Study in Health Services #5, Processes, Structures, and Outcomes of Care in Cardiac Surgery	1994-1997
Representative to the Council on Accreditation of Allied Health Education Programs, Society of Thoracic Surgeons	1994-2002
Associate Director, Thoracic Surgery Residency Training Program Vanderbilt University Medical School	1997-2002
Council Member, Southern Thoracic Surgical Association	1998-2000

Professional Activities (continued):

Member, Committee on Standards and Ethics, Society of Thoracic Surgeons	2001-2005
Member, Board of Directors, Nashville Academy of Medicine and Davidson County Medical Society	2002
Vice-President, Southern Thoracic Surgical Association	2002-2003
Chair, Workforce on Graduate Medical Education Society of Thoracic Surgeons	2003 – 2009
Member, Medical Advisory Board,	

LifeCenter, Cincinnati, Ohio	2003 – 2009
Member, Health Alliance Cardiovascular Service Line Medical Advisory Committee	2003 – 2005
Member, Post-Graduate Program Committee, Southern Thoracic Surgical Association	2004 – 2006
Chair, Post-Graduate Program Committee, Southern Thoracic Surgical Association	2006
Director, Continuing Medical Education, Southern Thoracic Surgical Association	2006 – 2010
Medical Director, Cardiovascular Surgery Program, Deaconess Hospital, Cincinnati, Ohio	2004 – 2009
Member, Exam Writing Committee, American Board of Thoracic Surgery	2005 – 2006
Chair, Local Arrangements, Halsted Society Annual Meeting	2005
Chair, Local Arrangements, Association of VA Surgeons Annual Meeting	2006
President Elect, Cincinnati Surgical Society	2005 – 2006
President, Cincinnati Surgical Society	2006 – 2007
Member, RRC for Thoracic Surgery	2007 – present
Member, <i>ad hoc</i> Oral Examination Committee, American Board of Thoracic Surgery	2007 – present
Member, Council of the Thoracic Surgery Directors Association	2007 – 2010
Member, Medical Executive Committee, University Hospital, Cincinnati, Ohio	2007 – 2009
Society of Thoracic Surgeons representative, Joint Council on Thoracic Surgery Education	2007 – present
Vice chair for education, Department of Surgery University of Mississippi School of Medicine	2009-present
Society of Thoracic Surgeons, Director-at-Large	2009-present

Professional Activities (continued):

Workforce on Annual Meeting (Program Task Force) Society of Thoracic Surgeons	2009-present
Workforce on Associate Membership Society of Thoracic Surgeons	2009-present
President-elect, Southern Thoracic Surgical Association	2010-present
American Association for Thoracic Surgery representative, Association of American Medical Colleges	2011-present
Member, Cardiothoracic Residents Committee, American Association for Thoracic Surgery	2011-present

Publications:

1. Merrill WH, Pieroni DR, Freedom RM, Ho CS. Diagnosis of infrahepatic interruption of the inferior vena cava. *Johns Hopkins Med J.* 1973 Dec;133(6):329-39.
2. Merrill WH, Donahoo JS, Brawley RK, Taylor D. Late cardiac tamponade: A potentially lethal complication of open-heart surgery. *J Thorac Cardiovasc Surg.* 1976; 72:929-32.
3. Hochberg MS, Merrill WH, Michaelis LL, McIntosh CL. Results of combined coronary endarterectomy and coronary bypass for diffuse coronary artery disease. *J Thorac Cardiovasc Surg.* 1978 Jan;75(1):38-46.
4. Hochberg MS, Merrill WH, Gruber M, McIntosh CL, Henry WL, Morrow AG. Delayed cardiac tamponade associated with prophylactic anticoagulation in patients undergoing coronary bypass grafting. Early diagnosis with two-dimensional echocardiography. *J Thorac Cardiovasc Surg.* 1978 May;75(5):777-81.
5. Maron BJ, Merrill WH, Freier PA, Kent KM, Epstein SE, Morrow AG. Long-term clinical course and symptomatic status of patients after operation for hypertrophic subaortic stenosis. *Circulation.* 1978 Jun;57(6):1205-13.
6. Shemin RJ, Merrill WH, Pfeifer JS, Conkle DM, Morrow AG. Evaluation of right atrial-pulmonary artery conduits for tricuspid atresia. Experimental study. *J Thorac Cardiovasc Surg.* 1979 May;77(5):685-90.
7. Brawley RK, Merrill WH, Gott VL, Donahoo JS, Watkins L, Gardner TJ. Unstable angina pectoris: Factors influencing operative risk. *Ann Surg* 1980; 191:745-50.

Publications (continued):

8. Merrill WH, Ernst CB. Aorta-left renal vein fistula: hemodynamic monitoring and timing of operation. *Surgery.* 1981 Jun;89(6):678-82.
9. Borkon AM, Schaff HV, Gardner TJ, Merrill WH, Brawley RK, Donahoo JS, Watkins L Jr, Weiss JL, Gott VL. Diagnosis and management of postoperative pericardial effusions and late cardiac tamponade following open-heart surgery. *Ann Thorac Surg.* 1981 Jun;31(6):512-9.

10. Merrill WH, Ernst CB. Aorta-left renal vein fistula: Hemodynamic monitoring and timing of operation. *Surg* 1981; 89:678-82.
11. Merrill WH, Alexander SL, Conkle DM. Coronary blood flow and distribution in right ventricular hypertrophy. *J Thorac Cardiovasc Surg.* 1981 Sep;82(3):365-71.
12. Merrill WH, Kieffer RF Jr, Cameron JL. Modification of the Belsey Mark IV procedure. *Am J Surg.* 1982 Aug;144(2):280-2.
13. Gadacz TR, Lillemoe K, Zinner M, Merrill WH. Common bile duct complications of pancreatitis: Evaluation and treatment. *Surg* 1983; 93:235-42.
14. Wehr CJ, Lipman JJ, Hammon JW, Bender HW, Merrill WH. The effect of arterial carbon dioxide tension on cerebral blood flow and electroencephalogram during cardiopulmonary bypass. *Surg Forum* 1984; 35:252-4.
15. Merrill WH, Achuff SC, White RI Jr, Ross RS, Gott VL. Late false aneurysm following replacement of ascending aorta: the problem of the teflon graft in combination with a silk suture anastomosis. *Ann Thorac Surg.* 1985 Mar;39(3):271-4.
16. Hammon JW Jr, Henry CL Jr, Merrill WH, Graham TP Jr, Bender HW Jr. Tetralogy of Fallot: selective surgical management can minimize operative mortality. *Ann Thorac Surg.* 1985 Sep;40(3):280-4.
17. Wehr CJ, Merrill WH, Lipman JJ, Hammon JW, Bender HW. The effect of carbon dioxide tension and hypothermia on cerebral blood flow and the electrocorticogram during cardiopulmonary bypass. *Surg Forum* 1985; 36:240-2.
18. Gerhardt EB, Wehr CJ, Merrill WH, Hammon JW. Improved postischemic function in the dog: Preischemic enhancement with ribose. *Surg Forum* 1985; 36:278-80.
19. Coggeshall J, Merrill WH, Hande K, DesPrez R. Implications of hypercalcemia with respect to diagnosis and treatment of lung cancer. *Amer J Med* 1986; 80:325-8.

Publications (continued):

20. Healy DA, Merrill WH, Nanney LB, Smith BM. The influence of preservation techniques on prostacyclin biosynthesis in venous autografts. *Curr Surg.* 1986 Mar-Apr;43(2):103-5.
21. Hammon JW Jr, Echt DS, Merrill WH, Primm KR, Woosley RL, Smith RF, Roden DM, Bender HW Jr. Indications for different modes of surgical therapy in medically refractory ventricular arrhythmias. *Ann Surg.* 1986 Jun;203(6):679-84.

22. Hammon JW Jr, Merrill WH, Prager RL, Graham TP Jr, Bender HW Jr. Repair of interrupted aortic arch and associated malformations in infancy: indications for complete or partial repair. *Ann Thorac Surg.* 1986 Jul;42(1):17-21.
23. Laws KH, Merrill WH, Hammon JW Jr, Prager RL, Bender HW Jr. Cardiac surgery in patients with chronic renal disease. *Ann Thorac Surg.* 1986 Aug;42(2):152-7.
24. Merrill WH, Stewart JR, Hammon JW Jr, Boucek RJ Jr, Bender HW Jr. Surgical management of patients with pulmonary valve dysplasia. *Ann Thorac Surg.* 1986 Sep;42(3):264-8.
25. Stewart JR, Gerhardt EB, Wehr CJ, Shuman T, Merrill WH, Hammon JW Jr, Bender HW Jr. Free radical scavengers and myocardial preservation during transplantation. *Ann Thorac Surg.* 1986 Oct;42(4):390-3.
26. Morrison JG, Merrill WH, Friesinger GC, Bender HW Jr. Cyanosis, interatrial communication, and normal pulmonary vascular resistance in adults. *Am J Cardiol.* 1986 Nov 15;58(11):1128-9.
27. Beeman SK, Shuman TA, Perna AM, Atkinson JB, Hammon JW Jr, Bender HW Jr, Merrill WH. Intermittent reperfusion extends myocardial preservation for transplantation. *Ann Thorac Surg.* 1987 May;43(5):484-9.
28. Merrill WH, Shuman TA, Graham TP Jr, Hammon JW Jr, Bender HW Jr. Surgical intervention in neonates with critical pulmonary stenosis. *Ann Surg.* 1987 Jun;205(6):712-8.
29. Morrison JG, Halter SA, Merrill WH. Malignant melanoma of the esophagus. *South Med J.* 1987 Sep;80(9):1184-7.
30. Gerhardt EB, Stewart JR, Morrison JG, Merrill WH, Hammon JW, Bender HW. Spinal cord protection during ischemia: Comparison of mannitol, thiopental, and free radical scavengers. *Surg Forum* 1987; 38:197-9.

Publications (continued):

31. Hammon JW Jr, Graham TP Jr, Boucek RJ Jr, Parrish MD, Merrill WH, Bender HW Jr. Myocardial adenosine triphosphate content as a measure of metabolic and functional myocardial protection in children undergoing cardiac operation. *Ann Thorac Surg.* 1987 Nov;44(5):467-70.
32. Bull D, Macartney FJ, Horvath P, Almeida R, Merrill WH, Douglas J, Taylor JFN, de Leval MR, Stark J. Evaluation of long-term results of homograft and

- heterograft valves in extracardiac conduits. *J Thorac Cardiovasc Surg* 1987; 94:12-19.
33. Frist WH, Merrill WH, Loyd JE, Muirhead J, Hammon JW Jr, Stewart JR, Bender HW Jr. Cardiopulmonary transplantation: an emerging procedure. *South Med J*. 1987 Dec;80(12):1471-2.
 34. Merrill WH, Lee RB, Hammon JW, Frist WH, Stewart JR, Bender HW. Surgical treatment of acute traumatic tear of the thoracic aorta. *Ann Surg* 1988; 207:699-703.
 35. Stewart JR, Merrill WH, Frist WH. Oxygen radical scavengers and myocardial preservation during transplantation: role of xanthine oxidase. *Basic Life Sci*. 1988;49:957-62.
 36. Hammon JW Jr, Lupinetti FM, Maples MD, Merrill WH, Frist WH, Graham TP Jr, Bender HW Jr. Predictors of operative mortality in critical valvular aortic stenosis presenting in infancy. *Ann Thorac Surg*. 1988 May;45(5):537-40.
 37. Ramsey J, Frist WH, Hammon JW, Merrill WH, Stewart JR, Bender HW. Long-term clinical use of the novacor left ventricular assist device as a bridge to transplantation. *Proceedings of the 26th International Conference, American Society of Extra-Corporeal Technology*. 1988; 89-93.
 38. Lee RB, Stewart JR, Morley SA, Merrill WH, Frist WF, Hammon JW, Bender HW. Optimal dose of superoxide dismutase in hypothermic global myocardial ischemia. *Surg Forum* 1988; 39:216-18.
 39. Merrill WH, Lee RB, Hammon JW Jr, Frist WH, Stewart JR, Bender HW Jr. Surgical treatment of acute traumatic tear of the thoracic aorta. *Ann Surg*. 1988 Jun;207(6):699-706.
 40. Bender HW Jr, Stewart JR, Merrill WH, Hammon JW Jr, Graham TP Jr. Ten years' experience with the Senning operation for transposition of the great arteries: physiological results and late follow-up. *Ann Thorac Surg*. 1989 Feb;47(2):218-23.

Publications (continued):

41. Kambam JR, Merrill WH, Smith BE. Histamine 2 receptor blocker in the treatment of protamine related anaphylactoid reactions: two case reports. *Can J Anaesth*. 1989 Jul;36(4):463-5.
42. Wareing TH, Merrill WH. Aortoesophageal fistula: unusual complication. *South Med J*. 1989 Oct;82(10):1306-8.

43. Lee RB, Stewart JR, Merrill WH, Frist WH, Hammon JW Jr, Bender HW Jr. Pharmacokinetics of superoxide dismutase during hypothermic cardiopulmonary bypass. *Circulation*. 1989 Nov;80(5 Pt 2):III25-9.
44. Frist WH, Winterland AW, Gerhardt EB, Merrill WH, Atkinson JB, Eastburn TE, Stewart JR, Eisert DR. Total lymphoid irradiation in heart transplantation: adjunctive treatment for recurrent rejection. *Ann Thorac Surg*. 1989 Dec;48(6):863-4.
45. Stewart JR, Frist WH, Merrill WH. Oxygen scavengers in myocardial preservation during transplantation. *Methods Enzymol*. 1990;186:742-8.
46. Merrill WH, Stewart JR, Frist WH, Hammon JW Jr, Bender HW Jr. Cardiac surgery in patients age 80 years or older. *Ann Surg*. 1990 Jun;211(6):772-5.
47. Kambam J, Meszaros T, Merrill WH, Stewart JR, Smith BE, Bender HW. Prophylactic administration of histamine 1 and histamine 2 receptor blockers in the prevention of protamine-related haemodynamic effects. *Can J Anaes* 1990; 37(4):40-2.
48. Stewart JR, Merrill WH, Hammon JW Jr, Graham TP Jr, Bender HW Jr. Reappraisal of localized resection for subvalvar aortic stenosis. *Ann Thorac Surg*. 1990 Aug;50(2):197-202.
49. Frist WH, Merrill WH, Eastburn TE, Atkinson JB, Stewart JR, Hammon JW Jr, Bender JW Jr. Unique antithymocyte serum versus OKT3 for induction immunotherapy after heart transplantation. *J Heart Transplant*. 1990 Sep-Oct;9(5):489-94.
50. Frist WH, Gerhardt EB, Merrill WH, Atkinson JB, Eastburn TE, Stewart JR, Hammon JW Jr, Bender HW Jr. Therapy of refractory, recurrent heart rejection with multiple courses of OKT3. *J Heart Transplant*. 1990 Nov-Dec;9(6):724-6.
51. Stewart JR, Merrill WH, Hammon JW, Graham TP, Bender HW. Reappraisal of localized resection for subvalvar aortic stenosis. *Ann Thorac Surg* 1990; 50:197-203.

Publications (continued):

52. Kambam JR, Merrill WH, Parris W, Alhadda R, Naukam R, Stewart JR, Bender HW, Sastry BVR. Substance P, acetylcholinesterase, and B-endorphin levels in the plasma and pericardial fluid of patients with and without angina pectoris. *J Lab Clin Med* 1990; 116(5):707-10.
53. Light RW, O'Hara VS, Moritz TE, McElhinney AJ, Butz R, Haakensen CM, Read RC, Sassoon CS, Eastridge CE, Berger R, Fontenelle LJ, Bell RH,

- Jenkinson SG, Shure D, Merrill WH, Hoover E, Campbell SC. Intrapleural tetracycline for the prevention of recurrent spontaneous pneumothorax. *JAMA* 1990; 264(17):2224-30.
54. Merrill WH, Stewart JR, Hammon JW, John JA, Bender HW. The senning operation for complete transposition: Med-term physiologic, electrophysiologic, and functional results. *Cardiol Young* 1991; 1:80-83.
55. Concepcion RS, Koch MO, McDougal WS, Stewart JR, Merrill WH. Management of primary nonrenal parenchymal malignancies with vena caval thrombus. *J Urol*. 1991 Feb;145(2):243-7.
56. Stewart JR, Carey JA, McDougal WS, Merrill WH, Koch MO, Bender HW. Cavoatrial tumor thrombectomy using cardiopulmonary bypass without circulatory arrest. *Ann Thorac Surg* 1991; 51:717-22.
57. Frist WH, Fox MD, Campbell PW, Fiel SB, Loyd JE, Merrill WH. Cystic fibrosis treated with heart-lung transplantation: North American results. *Transplant Proc*. 1991 Feb;23(1 Pt 2):1205-6.
58. Frist WH, Merrill WH, Eastburn TE, Stewart JR, Hammon JW Jr, Fortune DS, Guy TS, Bender HW Jr. Nashville antithymocyte serum: a safe and efficacious agent for prophylaxis after heart transplantation. *Transplant Proc*. 1991 Feb;23(1 Pt 2):1160-1.
59. Merrill WH, Frist WH, Stewart JR, Boucek RJ, Dodd DA, Eastburn TE, Bender HW Jr. Heart transplantation in children. *Ann Surg*. 1991 May;213(5):393-8.
60. Stewart JR, Carey JA, McDougal WS, Merrill WH, Koch MO, Bender HW Jr. Cavoatrial tumor thrombectomy using cardiopulmonary bypass without circulatory arrest. *Ann Thorac Surg*. 1991 May;51(5):717-21.
61. Merrill WH, Hammon JW Jr, Graham TP Jr, Bender HW Jr. Complete repair of atrioventricular septal defect. *Ann Thorac Surg*. 1991 Jul;52(1):29-32.

Publications (continued):

62. Merrill WH, Hammon JW, Bender HW. Technique of repair of atrioventricular septal defect with a common atrioventricular orifice. *Cardiol Young* 1991; 1:379-82.
63. Merrill WH. Perioperative blood conservation and transfusion practices. *Current Surg* 1991; 48:389-94.

64. Hernanz-Schulman M, Stein SM, Neblett WW, Atkinson JB, Kirchner SG, Heller RM, Merrill WH, Fleischer AC. Pulmonary sequestration: diagnosis with color Doppler sonography and a new theory of associated hydrothorax. *Radiology*. 1991 Sep;180(3):817-21.
65. Stewart JR, Carey JA, Merrill WH, Frist WH, Hammon JW Jr, Bender HW Jr. Twenty years' experience with pulmonary metastasectomy. *Am Surg*. 1992 Feb;58(2):100-3.
66. Muirhead J, Meyerowitz BE, Leedham B, Eastburn TE, Merrill WH, Frist WH. Quality of life and coping in patients awaiting heart transplantation. *J Heart Lung Transplant*. 1992 Mar-Apr;11(2 Pt 1):265-71.
67. Hoff SJ, Stewart JR, Frist WH, Kessler RM, Sandler MP, Atkinson JB, Votaw J, Carey JA, Ansari MS, Merrill WH. Noninvasive detection of heart transplant rejection with positron emission scintigraphy. *Ann Thorac Surg*. 1992 Apr;53(4):572-7.
68. Dodd DA, Frist WH, Merrill WH, Boucek RJ. Pretransplant and posttransplant management of the infant with hypoplastic left heart syndrome. *Transplant Sci* 1992; 2(1):5-6.
69. Muirhead J, Meyerowitz BE, Leedham B, Eastburn TE, Merrill WH, Frist WH. Quality of life and coping in patients awaiting heart transplantation. *J Heart Lung Transplant* 1992; 11(2.1):265-72.
70. Yeoh TK, Frist WH, Lagerstrom C, Kasper EK, Groves J, Merrill WH. Relationship of cardiac allograft size and pulmonary vascular resistance to long-term cardiopulmonary function. *J Heart Lung Transplant* 1992; 85(9):887-93.
71. Wong J, Loyd JE, Merrill WH, Frist WH. Single lung transplantation: replacement therapy for end-stage lung disease. *South Med J*. 1992 Sep;85(9):887-93.
72. Frist WH, Groves JR, Merrill WH, Connors AW, Stewart KA, Luce PA, Walker BL, Heim CR. Physiological exercise response in heart transplant recipients at 1 year. *Transplant Proc*. 1992 Dec;24(6):2672-3.

Publications (continued):

73. Frist WH, Carmichael LC, Loyd JE, Merrill WH, Stewart JR, Biggs VJ, Bender HW Jr. Transplantation for pulmonary hypertension. *Transplant Proc*. 1993 Feb;25(1 Pt 2):1159-61.

74. Merrill WH, Elkins CC, Stewart JR, Frist WH, Bender HW Jr. Third-time coronary artery bypass grafting: midterm results. *Ann Thorac Surg.* 1993 Mar;55(3):582-4.
75. Rodeheffer RJ, Naruse M, Atkinson JB, Naruse K, Burnett JC Jr, Merrill WH, Frist WH, Demura H, Inagami T. Molecular forms of atrial natriuretic factor in normal and failing human myocardium. *Circulation.* 1993 Aug;88(2):364-71.
76. Hoff SJ, Stewart JR, Sawyers JL, Murray MJ, Merrill WH, Adkins RB, Johnson DH. Preliminary results with neoadjuvant therapy and resection for esophageal carcinoma. *Ann Thorac Surg.* 1993 Aug;56(2):282-6.
77. Horvath J, Dummer S, Loyd J, Walker B, Merrill WH, Frist WH. Infection in the transplanted and native lung after single lung transplantation. *Chest.* 1993 Sep;104(3):681-5.
78. Merrill WH, Elkins CC, Stewart JR, Frist WH, Bender HW. Third-time coronary artery bypass grafting: Midterm results. *Ann Thorac Surg* 1993; 55(3):582-5.
79. Stewart JR, Hoff SJ, Johnson DH, Murray MJ, Butler DR, Elkins CC, Sharp KW, Merrill WH, Sawyers JL. Improved survival with neoadjuvant therapy and resection for adenocarcinoma of the esophagus. *Ann Surg.* 1993 Oct;218(4):571-6.
80. Elkins CC, Frist WH, Dummer JS, Stewart JR, Merrill WH, Carden KA, Bender HW Jr. Cytomegalovirus disease after heart transplantation: is acyclovir prophylaxis indicated? *Ann Thorac Surg.* 1993 Dec;56(6):1267-72.
81. Hoff SJ, Reilly MK, Merrill WH, Stewart J, Frist WH, Morris JA Jr. Analysis of blunt and penetrating injury of the innominate and subclavian arteries. *Am Surg.* 1994 Feb;60(2):151-4.
82. Frist WH, Loyd JE, Merrill WH, Stewart JR, Dummer JS, Hoff SJ, Walker B, Bender HW Jr. Single lung transplantation: a temporal look at rejection, infection, and survival. *Am Surg.* 1994 Feb;60(2):94-102.
83. Frist WH, Thirumalai S, Doehring CB, Merrill WH, Stewart JR, Fenichel GM, Bender HW Jr. Thymectomy for the myasthenia gravis patient: factors influencing outcome. *Ann Thorac Surg.* 1994 Feb;57(2):334-8.

Publications (continued):

84. Merrill WH, Hoff SJ, Stewart JR, Elkins CC, Graham TP Jr, Bender HW Jr. Operative risk factors and durability of repair of coarctation of the aorta in the neonate. *Ann Thorac Surg.* 1994 Aug;58(2):399-402; discussion 402-3.

85. Zhao XM, Citrin BS, Miller GG, Frist WH, Merrill WH, Fischell TA, Atkinson JB, Yeoh TK. Association of acidic fibroblast growth factor and untreated low grade rejection with cardiac allograft vasculopathy. *Transplantation*. 1995 Apr 15;59(7):1005-10.
86. Frist WH, Lorenz CH, Walker ES, Loyd JE, Stewart JR, Graham TP Jr, Pearlstein DP, Key SP, Merrill WH. MRI complements standard assessment of right ventricular function after lung transplantation. *Ann Thorac Surg*. 1995 Aug;60(2):268-71.
87. Hoff SJ, Merrill WH, Stewart JR, Bender HW Jr. Safety of remote aortic valve replacement after prior coronary artery bypass grafting. *Ann Thorac Surg*. 1996 Jun;61(6):1689-91; discussion 1691-2.
88. Chang AC, Shyr Y, Groves J, Chomsky DB, Davis SF, Wilson JR, Drinkwater DC, Pierson RN, Merrill WH. The utility of exercise testing after cardiac transplantation in older patients. *J Surg Res*. 1999 Jan;81(1):48-54.
89. Roberts JR, Blum MG, Arildsen R, Drinkwater DC Jr, Christian KR, Powers TA, Merrill WH. Prospective comparison of radiologic, thoracoscopic, and pathologic staging in patients with early non-small cell lung cancer. *Ann Thorac Surg*. 1999 Oct;68(4):1154-8.
90. Herline AJ, Pinson CW, Wright JK, Debelak J, Shyr Y, Harley D, Merrill WH, Starkey T, Pierson RN, Chapman WC. Acute pancreatitis after cardiac transplantation and other cardiac procedures: Case-control analysis in 24,631 patients. *Amer Surg* 1999; 65:819-26.
91. Merrill WH. What's past is prologue. *Ann Thorac Surg*. 1999 Dec;68(6):2366-75.
92. Merrill WH, Friesinger GC, Graham TP Jr, Byrd BF 3rd, Drinkwater DC Jr, Christian KG, Bender HW Jr. Long-lasting improvement after septal myectomy for hypertrophic obstructive cardiomyopathy. *Ann Thorac Surg*. 2000 Jun;69(6):1732-5; discussion 1735-6.
93. Webb DP, Vinas MS, Drinkwater CD, Merrill WH. The use of r-hirudin during cardiopulmonary bypass in a patient with heparin induced thrombocytopenia. *JECT* 2000; 32:107-10.

Publications (continued):

94. Streiff N, Feurer I, Speroff T, Davis SF, Butler J, Chomsky D, Donaldson T, Webb J, Merrill WH, Drinkwater DC, Pierson R 3rd, Wright Pinson C. The effects of rejection episodes, obesity, and osteopenia on functional performance

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