

# **CURRICULUM VITAE**

## **Steven William Guyton, MD, MHA, FACS**

My focus is developing administrative and operational structures that support the provision of needed cardiothoracic surgical care in an efficient and effective manner. We reported same day admission for cardiac surgery in the early 1990's and developed techniques for tracking patients' hospital progress - lowering average length of stay each year.

I led efforts in mitral valve repair, off pump coronary artery bypass, and minimally invasive approaches. I trained in daVinci thoracic and mitral valve repair procedures. My practice is primarily cardiac, but I have continued thoracic surgery including VATS and endoscopy and have extensive training and experience in bronchoplastic and tracheal surgery.

I completed a Masters of Health Administration degree through an Executive Program at the University of Washington while I continued my surgical practice in order to help me be more effective in administrative aspects of my practice and in developing new areas of cardiothoracic surgery. I am presently a Hardy Cross Dillard Scholar at the University of Virginia Law School, beginning study for a Juris Doctorate.

### **Relevant Surgical Skills:**

Off Pump CABG ~ 85% of CABGs – 3.6 grafts per case  
Mitral Valve Repair  
Minimally invasive approaches for valve surgery  
Surgery for eradication and prevention of atrial fibrillation  
Endoscopic Vein Harvest  
Mediastinal, Tracheal, and Esophageal Surgery  
Lung Cancer, open and thoracoscopic

### **EDUCATION**

University of Virginia Law School	2007—2008
Hardy Cross Dillard Scholar	
University of Washington, Masters in Health Administration (MHA)	2003—2005
Harvard Medical School, M.D.	1971—1975
University of Mississippi, B.S., Physics, with Special Distinction	1968—1971

### **INTERNSHIP AND RESIDENCY**

Chief Resident in Cardiac and Thoracic Surgery Massachusetts General Hospital, Boston, Massachusetts	1981
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Senior Registrar, Wessex Regional Centre for Cardiac and Thoracic Surgery  
 Southampton Western Hospital, Southampton, United Kingdom Jan—June 1980

Resident in Surgery 1975—1979  
 Massachusetts General Hospital, Boston, Massachusetts 1975—1980

**BOARD CERTIFICATION**

American Board of Surgery 1984  
 Recertified until 2010 2000  
 American Board of Thoracic Surgery 1986  
 Recertified until 2011 1999, 2006

**LICENSURE**

Washington 1986  
 Ohio 1982—1986, 2007  
 Massachusetts 1976—1987  
 Oregon 2007  
 California 2007  
 Hawaii 2007

**POSITIONS**

Adjunct Assistant Professor, Division of Cardiothoracic Surgery,  
 Oregon Health and Science University, Portland, Oregon 2007—2008  
 Voting Member, Medicare Coverage Advisory Committee  
 Health Care Financing Administration, Baltimore, Maryland 1999—2003  
 Staff Physician, Department of Surgery, Section of Cardiothoracic Surgery  
 Virginia Mason Medical Center, Seattle, Washington 1986—2006  
 Assistant Thoracic Surgeon  
 University Hospitals of Cleveland, Cleveland, Ohio 1982—1986  
 Assistant in Surgery  
 Massachusetts General Hospital, Boston, Massachusetts 1982

**ACADEMIC APPOINTMENTS**

Adjunct Assistant Professor, Cardiothoracic Surgery  
 Oregon Health and Science University, Portland, Oregon 2007—

Clinical Assistant Professor in Surgery University of Washington, Seattle, Washington	1988—
Assistant Professor in Surgery Case Western Reserve University, Cleveland, Ohio	1982—1986

**AFFILIATIONS**

Virginia Journal of Social Policy and the Law, Editorial Board	2008
American Health Lawyers Association, Student Member	2007
American Bar Association, Student Member	2007
University of Virginia Health Law Association	2007
University of Virginia Street Law Association	2007
North Pacific Surgical Association .....	1991—
Western Thoracic Surgical Association .....	1991—
Membership Committee .....	1991—1996
Chairman .....	1993—1996
Treasurer .....	1996—2000
Representative to Board of Governors, Am College of Surgeons ...	1998—2003
Vice-President .....	2003—2004
President .....	2004—2005
Nominating Committee .....	2005—
Society of Thoracic Surgeons .....	1990—
Membership Committee .....	1991—1993
Postgraduate Education Committee .....	1993—1995
Co-Chair .....	1994
Continuing Medical Education Committee .....	1994—1995
Medico-Legal Affairs Committee .....	1995—1998
Chairman .....	1996—1998
Standards and Ethics Committee .....	1998—2001, 2006—
American College of Surgeons, Fellow .....	1988—
Board of Governors .....	1998—2003
Professional Liability Committee .....	1999—2001
Executive Committee .....	2001—2003
Le Club Mitrale .....	1988—
General Thoracic Surgical Club .....	1988—1998
Lung Cancer Study Group .....	1987—1993
American College of Chest Physicians — Fellow .....	1987
Seattle Surgical Society .....	1989—
Washington State Medical Association .....	1986—2006
King County Medical Society .....	1986—2006
Delegate to WSMA .....	2003, 2004, 2005
American Heart Association .....	1982—

CV Surgery Council .....	1989—2002
Washington Affiliate, Research Peer Review Committee .....	1991—1995
Chairman, Research Peer Review Committee .....	1994—1995
Research Committee .....	1993—1997
Chairman .....	1995—1997
Vice President — Research .....	1995—1997
At-large member, Board of Directors .....	1998
Northwest Affiliate, Research Transition Task Force Chairman ...	1997—1998
Chairman, Research Committee .....	1998—2000
Honorary member, Board of Directors .....	1998—1999
Board of Directors .....	1999—2002
President-elect .....	1999—2000
President .....	2000—2001
Seattle - Metropolitan King County Board .....	1999—2002
American Medical Association .....	1982—2006
Northern Ohio Cardiothoracic Surgery Society .....	1984—1986
Cleveland Surgical Society .....	1983—1986
Ohio State Medical Association .....	1982—1986
Academy of Medicine—Cleveland .....	1982—1986

## PUBLICATIONS

1. Wang CA, Guyton SW: Hyperparathyroid crisis. **Ann Surg** 1979; **190**:782-790.
2. Patton AS, Guyton SW, Lawson DW, Shannon JM: Treatment of severe atrial injuries. **Am J Surg** 1981; **141**:465-471.
3. Guyton SW, Daggett WM: Surgical repair of postinfarction ventricular septal rupture. **Modern Technics in Surgery, Cardiac Thoracic Surgery** 1983; **61**:2-15.
4. Guyton SW: (Book review): **Early Care of the Injured Patient**, Committee on Trauma, American College of Surgeons, Walt AJ, et al (eds), 1982. **JAMA** 1983; **249**:2546.
5. Guyton SW, Shuck JM: Blunt trauma of the chest, in: Edlich R, Spyker D (eds): Current Emergency Medical Therapy, Appleton-Century Crofts, 1984, Chapter 10.
6. Aronoff SC, Turner RJ, Edmonds K, Kleinhenz ME, Guyton SW, Ellner JJ: Autoimmune profile of lymphocyte and subpopulations in an adolescent with Histoplasma Capsulatum mediastinal fibrosis (abstract). The Society for Pediatric Research, 1984.
7. Guyton SW, Shuck JM: Blunt trauma of the chest, in: Edlich R, Spyker D (eds): Current Emergency Medical Therapy, Appleton-Century Crofts, 1985, Chapter 10.

8. Guyton SW: Chest injury in children, in: Marcus RE, (ed): Trauma in Children, Aspen Publications, 1986, pp 57-68.
9. Guyton SW, Shuck JM: Blunt trauma of the chest, in: Edlich R, Spyker D (eds): Current Emergency Medical Therapy, Appleton-Century Crofts, 1986, Chapter 10.
10. Paull DL, Anderson RP, Guyton SW: Aortic valve replacement at Virginia Mason Medical Center. **Virginia Mason Clin Bull**, Spring 1987; **41**:1-6.
11. Guyton SW, Paull DL, Anderson RP: Introducer insertion of minithoracostomy tubes. **Am J Surg** 1988; **155**:693-696.
12. Paull DL, Fellow CL, Guyton SW, Anderson RP: Early experience with the automatic implantable cardioverter defibrillator in sudden death survivors. **Am J Surg** 1989; **157**:516-518.
13. Guyton SW: (Book Review): **Thoracic surgery**. Pichlmaier and Schildberg (eds), Springer-Verlag, 1989. **Ann Thorac Surg** 1991;**51**:955..
14. Jolly PC, Hutchinson CH, Detterbeck F, Guyton SW, Hofer B, Anderson RP: Routine computed tomographic scans, selective mediastinoscopy and other factors in evaluation of lung cancer. **J Thorac Cardiovasc Surg** 1991; **102**:266-271.
15. Guyton SW, Paull DL, Anderson RP: Mitral valve reconstruction. **Am J Surg** 1992; **163**:497-501.
16. Paull DL, Fellows CL, Guyton SW, Anderson RP: Continuing experience with the automatic implantable cardioverter defibrillator. **Am J Surg** 1992; **163**:502-504.
17. Anderson RP, Guyton SW, Paull DL, Tidwell SL: Selection of patients for same day coronary bypass operations. **J Thorac Cardiovasc Surg** 1993; **105**:444-452.
18. Paull DL, Tidwell SL, Guyton SW, Harvey E, Woolf RA, Holmes JR, Anderson RP. Beta blockade to prevent atrial dysrhythmias following coronary bypass surgery. **Am J Surg** 1997; **173**:419-421.
19. Holmes JH IV, Jones MF, Anderson RP, Knopes KD, Guyton SW, Hall RA. The use of micro-dose aprotinin with continuous infusion in coronary artery bypass surgery. **J Cardiovasc Surg** **40**:621-626, 1999.
20. Guyton SW. Mitral Valve Reconstruction. **Virginia Mason Medical Center Bulletin**, Fall 1999, **53**: 105-117.

21. Holmes JH 4th. Lieberman JM. Probert CB. Marks WH. Hill ME. Paull DL. Guyton SW. Sacchettini J. Hall RA. Elevated intestinal fatty acid binding protein and gastrointestinal complications following cardiopulmonary bypass: a preliminary analysis. **Journal of Surgical Research.** **100**(2):192-6, 2001 Oct.
22. Felisky CD. Paull DL. Hill ME. Hall RA. Ditkoff M. Campbell WG. Guyton SW. Endoscopic greater saphenous vein harvesting reduces the morbidity of coronary artery bypass surgery. **American Journal of Surgery.** **183**(5):576-9, 2002 May
23. Holmes JH 4th. Connolly NC. Paull DL. Hill ME. Guyton SW. Ziegler SF. Hall RA. Magnitude of the inflammatory response to cardiopulmonary bypass and its relation to adverse clinical outcomes. **Inflammation Research.** **51**(12):579-86, 2002 Dec
24. Guyton SW. Robotic surgery: computer enhanced control of surgical instruments. **Otolaryngological Clinics of North America.** **35**(6): 1303-1316, 2002 Dec
25. Moraca R, Lin E, Holmes JH 4th, Fordyce D, Campbell W, Ditkoff M, Hill M, Guyton S, Paull D, Hall RA. Impaired baseline regional cerebral perfusion in patients referred for coronary artery bypass. **J Thorac Cardiovasc Surg.** 2006 Mar;**131**(3):540-6.

#### PRESENTATIONS

1. Intra-Aortic Balloon Pumping. Medical Grand Rounds, University Hospitals of Cleveland, Ohio, March 12, 1983.
2. Acquired Tracheoesophageal Fistula. Surgical Grand Rounds, University Hospitals of Cleveland, Ohio, April 20, 1983.
3. Blunt Chest Trauma. Trauma Symposium, Case Western Reserve University, June 6, 1983.
4. Acquired Tracheoesophageal Fistula. Fourth Annual Critical Care Symposium, Case Western Reserve University, April 5, 1984.
5. Panel discussion. Esophageal and Lung Tumor Conference, Ireland Oncology Center, University Hospitals of Cleveland, Ohio, November 16, 1984.
6. Lung Cancer. Surgical Service Scientific Series, Warren General Hospital, Warren, Ohio, March 28, 1985.
7. Thoracic Aortic Aneurysms. Medical Grand Rounds, University Hospitals of Cleveland, September 21, 1985.
8. Tracheal Resection and Reconstruction. Seattle Surgical Society, presented by surgical resident, Frank Detterbeck, MD, January 16, 1987. Awarded prize for best paper presented by a resident.

9. Mitral Valve Repair. Washington State Chapter, American College of Surgeons, presented by surgical resident, Frank Detterbeck, MD, June 19, 1987.
10. Mitral Valve Repair: Avoiding a Prosthetic Valve. Cardiology Update CME course, VMMC, November 7, 1987.
11. Ventricular Septal Rupture, case report. Cardiology Update CME course, VMMC, November 7, 1987.
12. Introducer Insertion of Minithoracostomy Tubes. North Pacific Surgical Association, November 14, 1987.
13. Minithoracostomy Tube Insertion Via an Introducer for Management of Pneumothorax. Seattle Surgical Society, presented by surgical resident, Frank Detterbeck, MD, January 16, 1988.
14. Repair of Acute Septal Rupture After Myocardial Infarction: Case Presentations. Washington State Chapter, American College of Surgeons, Sunriver, Oregon, June 25, 1988.
15. Surgery for Complications of Acute Coronary Events. Cardiac Surgical Symposium, New England States Chapter, ACCP, Bay State Medical Center, Springfield, Massachusetts, September 22, 1989.
16. Mitral Valve Repair: Clinical, Anatomic, Surgical and Echocardiographic Interactions. Western Washington Society of Echocardiography, University of Washington Hospital, February 22, 1990.
17. Case Management for Coronary Artery Bypass: comparison of 1989 and 1990 results. Combined Grand Rounds, Virginia Mason Medical Center, Sept. 14, 1990.
18. Role of Valvular Reconstruction. 1990 Cardiovascular Disease Management, American Heart Association, Washington Affiliate, Seattle, Washington, October 11, 1990.
19. Invited Discussion of "Mitral Valve Repair". North Pacific Surgical Association, Seattle, Washington, November 9, 1990.
20. Intraaortic Balloon Pump: OR Nursing Inservice. Virginia Mason Hospital, Seattle, WA, January 25, 1991.
21. Heart Surgery - the second time around. Critical Care Conference, Bellevue Community College, Bellevue, Washington, January 30, 1991.
22. Impaired Myocardial Performance: Perioperative Myocardial Protection. Health Learning Systems Visiting Faculty Lecture, St. John's Hospital, Tulsa, Oklahoma, March 13, 1991.
23. Ebstein's Anomaly. Washington State Chapter - American College of Surgeons, Warm Springs, Oregon, June 17, 1991.

24. Surgical Aspects of Transesophageal Echocardiography. Western Thoracic Surgical Association, Seattle, Washington, June 28, 1991.
25. Valvular Reconstruction. Virginia Mason CME Course, Victoria, British Columbia, Canada, September 20, 1991.
26. Mitral Valve Reconstruction. North Pacific Surgical Association, Portland, Oregon, November 8, 1991.
27. Invited discussion of “Thoracoabdominal Aneurysms”. North Pacific Surgical Association, Vancouver, British Columbia, Canada, November 12, 1993.
28. Valvular Heart Disease. Surgical Resident GME Lecture and Discussion, Virginia Mason Medical Center, Seattle, Washington, April 19, 1994.
29. Invited Discussion of “Reimplantation of the Right Internal Thoracic Artery as a Free Graft in the Left In Situ ITA (Y Procedure). One Year Angiographic Results”. Western Thoracic Surgical Association, Squaw Creek, California, June 23, 1994.
30. Cost Containment in Cardiac Surgery. Postgraduate Course, Society of Thoracic Surgeons, Palm Springs, California, January 29, 1995.
31. Coronary Artery Bypass - What’s New in 1995? Seattle Surgical Society, October 16, 1995.
32. Mitral Valve Repair. Providence Medical Center, Anchorage, Alaska, April 21, 1999.
33. Coronary Artery Bypass Surgery. Palmer Hospital, Palmer, Alaska, April 22, 1999.
34. Magnitude of the inflammatory response to cardiopulmonary bypass and relation to adverse clinical outcomes (abstract). Hansman MF, Holmes JH IV, Connolly NC, Paull DL, Hill ME, Guyton SW, Ditkoff ME, Campbell WG, Ziegler SF, Hall RA. Proceedings of the 2nd International Congress on Heart Disease - New Trends in Research, Diagnosis and Treatment. International Academy of Cardiology, Inc. Washington, DC. July 22, 2001.
35. Endoscopic greater saphenous vein harvesting reduces the morbidity of coronary bypass surgery. CD Felisky, DL Paull, ME Hill, RA Hall, M Ditkoff, W Campbell, SW Guyton. North Pacific Surgical Association, Victoria, British Columbia, Canada. Nov, 2001.
36. Tough Questions, Tougher Answers – Presidential Address. Western Thoracic Surgical Association, Victoria, British Columbia, Canada. June, 2005.
37. Moraca R, Lin E, Holmes JH 4th, Fordyce D, Campbell W, Ditkoff M, Hill M, Guyton SW, Paull D, Hall RA. Impaired baseline regional cerebral perfusion in patients referred for coronary artery bypass. Western Thoracic Surgical Association, Victoria, British Columbia, Canada. June, 2005.

38. Off Pump Coronary Artery Bypass Surgery, Cardiothoracic Surgery Grand Rounds, Oregon Health Sciences University, July 30, 2007.
39. Coronary Artery Bypass Surgery, Cardiology Fellows Conference, Oregon Health Sciences University, August 1, 2007.

### **CONTINUING EDUCATION**

ACLS	2006
Masters of Health Administration, University of Washington	2003—2005
Harvard University Executive Course, Coping with the New World of Health Care	1996
VMMC 4 day Continuous Quality Improvement Course	1994

6/5/2008