

Curriculum Vitae

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*Professor of Clinical Cardiac Surgery
Department of Cardiac Surgery
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- Appointments** Clinical Professor, Department of Cardiac Surgery, Vanderbilt University, Jan 2006 – Present
Assistant Clinical Professor, Cardiac & Thoracic Surgery, Vanderbilt University 1983 – 2006
Cardiac Surgeon, Division of Thoracic and Cardiac Surgery, St. Thomas Hospital 1981 – 2005
Cardiac Surgeon, Cardiovascular Surgery Associates, P.C., Nashville, TN 1981 – 2005
- Board Certification** American Board of Thoracic Surgery, 1982 (Recertified 1990)
- Military Service** Active Duty, U.S. Army, Rank-Captain, Medical Corps, 1973 - 1975
- Graduate Training** Resident, Cardiothoracic Surgery, Vanderbilt University Hospital, 1979 – 1981
Chief Surgical Resident, Vanderbilt University Hospital, 1978 – 1979
Research Fellow, Vanderbilt University Hospital, January 1977 – July 1977
Assistant Resident Surgery, Vanderbilt University Hospital, 1975 – 1978
Assistant Resident Surgery, Johns Hopkins Hospital, 1972 – 1973
Surgical Internship, Johns Hopkins Hospital, 1971 - 1972
- Research Fellowship** Research Fellow, Johns Hopkins School of Medicine, Baltimore, Maryland
June 1969 – September 1969
June 1968 – September 1968
- Medical Education** Johns Hopkins School of Medicine, Baltimore, Maryland, 1971
- College Education** Baylor University, Waco, Texas, BS Degree, 1967
- H.S. Education** Alamogordo High School, Alamogordo, New Mexico, 1964
- Honors & Awards** Best Doctors in America - 2007
Harwell Wilson Award for Excellence as Surgical Resident 1980, 1981
Frank G. Brooks Award, Baylor University, 1966
Beta Beta Beta, 1966
Phi Eta Sigma, 1965
Most Outstanding Freshman Award, Baylor University, 1964
- Fraternities & Clubs** Tarus Social Fraternity, Baylor University (now Kappa Sig)
American Chemical Society, Student Affiliate

Memberships

American Board of Thoracic Surgeons
American College of Surgeons
Southern Thoracic Surgical Association
Society of Thoracic Surgeons

Presentations

Southern Thoracic Surgical Association, Hyatt Regency - Lost Pines Resort & Spa, Lost Pines, TX, November 2008 “Warm Beating Heart Surgery on The Mitral Valve Via Right Thoracotomy Is An Excellent And Safe Alternative For Reoperative Mitral Surgery”.

Vanderbilt Heart - Strategies and Techniques for Cardiovascular Surgery, Baranof Wilderness Lodge at Warm Springs Bay, Alaska, June 2008

Association of VA Surgeons, Dallas, TX, May 5, 2008. “Minimally Invasive Mitral Valve Surgery without Aortic Cross Clamp”.

9th International Conference of the Jordan Cardiac Society, Amman, Jordan April 2008. “Surgery for the Small Aortic Annulus” and “Mitral Valve Repair or Replacement”.

STS/AATS Tech-Con Meeting, Marriott’s Harbor Beach Resort & Spa, Ft. Lauderdale, FL, January 2008 “Minimally Invasive Mitral Valve Interventions”.

Vanderbilt Cardiology Grand Rounds, Nashville, TN, November 2007
Valve Replacement – “What Valves are Available and When To Use Them”.

Vanderbilt Valve Symposium, Nashville, TN, October 2007
“Minimally Invasive Mitral Valve Surgery-Small Right Thoracotomy Without Clamping”.

Tennessee Perfusion Association 8th Annual Meeting, Nashville, TN, September 2007
“Mitral Valve Surgery Utilizing Ventricular Fibrillation and Mini-Thoracotomy Approach”.

8th Annual Meeting of the Gottlieb C. Friesinger Society, The Grove Park Inn and Spa, Asheville, NC, April 2007 “Mitral Valve Repair”.

Activities Related to Medtronic, Inc.

Society of Thoracic Surgeons – Dinner Presentation; January 2007
“Survival – MICS”???

Medtronic Conference – Dinner Presentation; New Orleans, LA., September 2006
“Minimally Invasive Mitral Valve Repair/Replacement with no Ischemic Time”.

Medtronic Minimally Invasive Cardiac Surgery Summit, Atlanta, GA., May, 2006
“Approach to the Mitral Valve with no Cross Clamping”.

Medtronic Options & Outcomes Meeting, Scottsdale, AZ., February 2006
“Mitral Valve: To Repair or Replace, That is the Question”.

Activities Related to St. Jude Medical, Inc.

American Association for Thoracic Surgery, Hard Rock Hotel, San Diego, CA, May 2008
“Expanding Treatment Options for the Cardiac Surgeon: Opportunities for Collaborative Care”.

Boards & Committees Scientific Committee Member for Stentless Bioprosthesis
4th International Symposium, May 2001
St. Jude Medical Stentless Valve Advisory Board Member, 1997 – Present
St. Jude Medical Worldwide Scientific Advisory Board Member, 1996 – Present

Clinical Trials SJM Regent Valve, May 1999 – Present
Toronto SPV Valve, May 1994 – Present

Presentations Advanced SJM Institutes on Toronto SPV Valve, Tampa, FL, September 2000
Advanced SJM Institutes on Toronto SPV Valve, Dallas, TX, July 2000
Advanced SJM Institutes on Toronto SPV Valve, Atlanta, GA, June 2000
Learning from Experience Symposium, Glasgow, Scotland, September 1999
- Presentation on Stentless Valves
Advanced SJM Institutes on Toronto SPV Valve, Atlanta, GA, June 1999
Asian Cardiac Society Meeting, Singapore, May 1999
- Presentation on Stentless Valves
Stentless Bioprosthesis 3rd International Symposium, Grand Cayman, May 1999
- Presentation “Use of Toronto Stentless Porcine Valve
In Patients with Aortic Dilatation”
Southern Thoracic Surgical Society, November 1998
- Presentation on Stentless Valves
Advanced SJM Institutes on Toronto SPV Valve, Memphis, TN, August 1998

Proctoring Proctoring of Visiting Surgeons on Toronto SPV Valve, 1999 – Present

Publications Umakanthan R, Leacche M, Petracek MR, Kumar S, Solenkova N, Kaiser CA, Greelish JP, Balaguer JM, Ahmad RM, Ball SK, Hoff SJ, Absi TS, Kim BS, Byrne JG. *Safety of Minimally Invasive Mitral Valve Surgery without Aortic Cross Clamp. Ann Thorac Surg 2008 May;85(5):1544-9; discussion 1549-50.*

Greelish JP, Ahmad RM, Balaguer JM, Petracek MR, Byrne JG. *Reoperative Valve Surgery. Cardiac Surgery in the Adult 3rd Ed.* 2008 Cohn LH. 1159-1173.

Greelish JP, Ailiwadi M, Balaguer JM, Ahmad RM, Zhao DX, Petracek MR, Byrne JG. *Combined Percutaneous Coronary Intervention(PCI) and Valve Surgery. Curr Opin Cardiol* 2006 Mar; 21(2): 113-7.

Allen KB, Dowling RD, Angell WW, Gangahar DM, Fudge TL, Richenbacher W, Selinger SL, Petracek MR, Murphy D. *Transmyocardial Revascularization: 5-year Follow-up of a Prospective, Randomized Multicenter Trial. Ann Thorac Surg.*, 2004 Apr; 77: 1228-1234.

Bach DS, Sakwa WP, Goldbach M, Petracek MR, Emery RW, Mohr FW. *Hemodynamics and Early Clinical Performance of the St. Jude Medical Regent Mechanical Aortic Valve. Ann Thorac Surg.* 2002 Dec; 74(6): 2003-9, discussion 2009.

Light RW, Rogers JT, Moyers JP, Lee YC, Rodriguez RM, Alford WC, Jr., Ball SK, Burrus GR, Coltharp WH, Glassford DM, Jr., Hoff SJ, Lea JW 4th, Nesbitt JC, Petracek MR, Starkey TD, Stoney WS, Tedder M. *Prevalence and Clinical Course of Pleural Effusions and 30 days after*

Coronary Artery and Cardiac Surgery. **Am J Respir Crit Care Med.** 2002 Dec. 15; 166 (12 Pt 1): 1567-71. Epub 2002 Oct 11.

Hoff SJ, Ball SK, Coltharp WH, Glassford DM, Jr., Lea JW 4th, Petracek MR. *Coronary Artery Bypass in Patients 80 Years and Over; Is Off Pump the Operation of Choice?* **Ann Thorac Surg.** 2002 Oct; 74(4): S1340-3.

Petracek MR. *Assessing Options for the Small Aortic Root.* **J. Heart Valve Dis.** 2002 Jan; 11 Suppl 1:S50-5. Review.

Goldman BS, David TE, Wood JR, Pepper JR, Goldman SM, Verrier ED, Petracek MR. *Clinical Outcomes after Aortic Valve Replacement with the Toronto Stentless Porcine Valve.* **Ann Thorac Surg.** 2001 May; 71 (5 Suppl): S302-5.

Branca P, Lesperance R, Light RW, Alford WC Jr., Ball SK, Burrus GR, Coltharp WH, Glassford DM Jr., Hoff SJ, Lea JW IV, Nesbitt JC, Petracek MR, Pirolo JS, Starkey TD, Stoney WS, Tedder M. *Screening Pulmonary History and Physical is Not Useful to Predict Prolonged Mechanical Ventilation Following Coronary Artery Bypass.* **Am J Resp Crit Care Med** (Submitted).

Branca P, McGaw P, Light RW, Alford WC Jr., Ball SK, Burrus GR, Coltharp WH, Glassford DM Jr., Hoff SJ, Lea JW IV, Nesbitt JC, Petracek MR, Pirolo JS, Starkey TD, Stoney WS, Tedder M. *Factors Influencing Failure to Wean from Mechanical Ventilation Following Coronary Artery Bypass Surgery.* **Chest** (Submitted).

Elkins C, Shuman TA, Pirolo JS, Alford WC Jr, Ball SK, Burrus GR, Coltharp WH, Glassford DM JR., Hoff SJ, Lea JW IV, Nesbitt JC, Petracek MR, Starkey TD, Stoney WS, Tedder M. *Cardiac Whipple's Disease Without Digestive Symptoms.* **Ann Thorac Surg** (Submitted).

Sadikot RT, Rogers JT, Cheng DS, Moyers D, Rodriguez RM, Light RW, Alford WC JR, Ball SK, Burrus GR, Coltharp WH, Glassford DM Jr, Hoff SJ, Lea JW IV, Nesbitt JC, Petracek MR, Starkey TD, Stoney WS, Tedder M. *Pleural Fluid Characteristics of Patients with Symptomatic Pleural Effusion After Coronary Artery Bypass Graft Surgery.* **Arch Int Med.** Sept 2000; 160: 2665-2668.

Light RW, Rogers JR, Cheng D, Rodriguez RM, Alford WC Jr., Ball SK, Burrus GR, Coltharp WH, Glassford DM Jr., Hoff SJ, Lea JW IV., Nesbitt JC, Petracek MR, Starkey TD, Stoney WS, Tedder M. *Large Pleural Effusions Occurring after Coronary Artery Bypass Grafting.* **Ann Intern Med** 130:891-896, 1999.

Allen KB, Dowling RD, Fudge TL, Schoettle GP, Selinger SL, Gangahar DM, Angell WW, Petracek MR, Shaar CJ, O'Neill WW. *Comparison of Transmyocardial Revascularization with Medical Therapy in Patients with Refractory Angina.* **N Engl J Med** 341(14): 1029-36, Sept 1999.

Petracek MR, Shuman TA, Pirolo JS, Tedder M, Ball SK, Graves D. *Use of Toronto Stentless Porcine Valve in Patients with Aortic Dilatation.* Presented at the Stentless Bioprostheses Third International Symposium, Grand Cayman Islands, May 12-16, 1999; To Be published in **Seminars in Thoracic and Cardiovascular Surgery** 11(4 Suppl – 1): 74-78, Oct 1999

Dowling RD, Petracek MR, Selinger SL, Allen KB. *Transmyocardial Revascularization in Patients with Refractory Unstable Angina.* **Circulation** 98(19Suppl):II73-5, Nov 10, 1998: Discussion II75-6.

Bach DS, David T, Yacoub M, Pepper J, Goldman B, Wood J, Verrier E, Petracek MR, Aldrete V, Rosenbloom M, Azar H, Rakowski H. *Hemodynamics and Left Ventricular Mass Regression Following Implantation of the Toronto SPV Stentless Porcine Valve.* **Am J Cardiol** 82:1214-1219, 1998.

Pirollo JS, Fredi JL, Shuman TA, Alford WC Jr., Ball SK Burrus GR Coltharp WH, Glassford DM Jr., Hoff SJ, Lea JW IV, Petracek MR, Starkey TD, Stoney WS. *Intracoronary Ultrasound Guided CABG in Patients with Angiographically Non-Critical Lesions.* **Ann Thorac Surg** 64:375-379, 1997.

Orr LA, Pettigrew RI, Churchwell AL, Jennings HS III, Petracek MR, Vansant JP. *Gadolinium Utilization in the MR Evaluation of Cardiac Paraganglioma.* **Clin Imaging** 21(6):404-406, Nov-Dec, 1997.

Coltharp WH, Hoff SJ, Alford WH Jr., Burrus GR, Glassford DM Jr., Lea JW IV, Petracek MR, Starkey TD, Shuman TA, Stoney WS. *Ventricular Aneurysmectomy: A 25-Year Experience.* **Ann Surg** Vol 219(6):707-714, June 1994.

Coltharp WH, Arnold JH, Alford WC Jr., Burrus GR, Glassford DM Jr., Lea JW IV, Petracek MR, Starkey TD, Stoney WS, Thomas CS Jr., Sadler RN. *Video-Thoracoscopy: Improved Technique and Expanded Indications.* **Ann Thorac Surg** Vol 53(5):776-779, May 1992.

Coltharp WH, Decker MD, Lea JW IV, Petracek MR, Glassford DM Jr, Thomas CS Jr, Burrus GR, Alford WC Jr, Stoney WS. *Internal Mammary Artery Graft at Reoperation: Risks, Benefits, and Methods of Preservation.* **Ann Thorac Surg**, Vol 52(2):225-229, August, 1991.

Petracek MR, BeckspanGS. *Improved Prophylaxis and Treatment of Infection in the Cardiovascular Surgical Patient.* **Eli Lilly and Company**, 1988.

Kaiser AB, Kernodle DS, Barg NL, Petracek MR. *Influence of Preoperative Showers on Staphylococcal Skin Colonization: A Comparative Trial of Antiseptic Skin Cleansers.* **Ann Thor Surg** 45:35-38, January 1988.

Kaiser AB, Petracek MR, Lea JW IV, Kernodle DS, Roach AC, Alford WC Jr., Burrus GR, Glassford DM Jr., Thomas CS Jr., Stoney WS. *Efficacy of Cefazolin, Cefamandole, and Gentamicin and Prophylactic Agents in Cardiac Surgery.* **Ann Surg**, Vol 206(6):791-797, December 1987.

Lea JW IV, Glassford DM Jr., Petracek MR, Denton S, Mobley B, Alford WC Jr., Burrus GR, Stoney WS, Thomas CS Jr., Jennings HS III, McDonald EC. *Results of Cardiac Transplantation at St. Thomas Hospital.* **J Tenn Med Assn**, Vol. 80(5):273-274, May 1987.

Huddleston CB, Stoney WS, Alford WC Jr., Burrus GR, Glassford DM Jr., Lea JW IV, Petracek MR, Thomas CS Jr. *Internal Mammary Artery Grafts: Technical Factors Influencing Patency.* **Ann Thorac Surg**, Vol. 42(5):543-549, November, 1986.

Petracek MR. *Pacemaker Electrocardiography of Rate Smoothing During DDD Pacing.* **Pacing Clin Electrophysiol.** 9(3): 463, May, 1986 No Abstract Available.

Lupinetti FM, Stoney WS, Alford WC Jr., Burrus GR, Glassford DM Jr., Petracek MR, Thomas CS Jr. *Cryoprecipitate – Topical Thrombin Glue: Initial Experience in Cardiac Surgical Patients.* Presented at the American Association for Thoracic Surgery Meeting, April 1985. **J Thorac Cardiovasc Surg**, Vol. 90(4):502-505, October 1985.

Stoney WS, Alford WC Jr., Burrus GR, Glassford DM Jr., Petracek MR, Thomas CS Jr. *The Fate of Arm Veins Used for Aorta-Coronary Bypass Grafts*. **J. Thorac Cardiovasc Surg**, Vol. 88(4):522-526, October, 1984.

Petracek MR, Hammon J. *Thoracic Aortic (Ischemic) Coarctation*. **Vascular Disorders of Childhood**. Dean and O'Neal, Chapter 3:36-50, 1983.

Alford WC Jr., Stoney WS, Page HL Jr., Burrus GR, Glassford DM Jr., Petracek MR, Thomas CS Jr. *Surgical Procedures After Percutaneous Transluminal Coronary Angioplasty*. **Southern Med J**, Vol 75(12):1556-1558, December 1982.

Petracek MR, Lawson JD, Johnson HK. *Three Simple Solutions for Renal Flush and Preservation*. **Southern Med J**, 74(3):321, March, 1981.

Petracek MR, Lawson JD, Rhea GW, Richie RE, Dean RH. *Resection of Abdominal Aortic Aneurysms in the Over 80 Age Group*. **Southern Med J**, 73(5):579-581, May 1980.

Lawson JD, Petracek MR, Buckspan GS, Dean RH. *Subclavian Steal: Review of the Clinical Manifestations*. **Southern Med J**, 72(11):1369-1373, November 1979.

Arendell R, Lawson JD, Petracek MR, Meachum PW, Hollifield JW, Dean RH. *Study of Saralasin Angiotensin II (Saralasin) Responsiveness in Hypertension of Renal Origin*. **J Surg Res** 24(4):284-287, April 1978.

Richie RE, Withers EH, Petracek MR, Conkle DM. *Vascular Access for Chronic Hemodialysis: Use of Bovine Xenografts to Create Arteriovenous Fistulas*. **Southern Med J**, 71(4):386-388, April 1978.

Petracek MR, Richie RE. *A New Technique for Salvaging Clotted Bovine Xenograft Used as an Arteriovenous Fistula*. **Surg Gynecol Obstet** 146(3):441-442, March, 1978.

Meacham PW, Dean RH, Lawson JW, Petracek MR, Burnham SJ, Hollifield JW, Burney P, Scott HW Jr. *Study of the Renal Pressor in Experimental Coarctation of the Abdominal Aorta*. **Am Surg** 43(12):771-777, December 1977, No Abstract Available.

Richie RE, Withers EH, Petracek MR, Conkle DM. *Vascular Access for Chronic Hemodialysis Bovine Xenograft for Creation of an Arteriovenous Fistula*. **Rev Surg**, 34(4):288-90, Jul-Aug 1977, No abstract available.

Petracek MR, Gott VL, Skinner DB. *The Combined Use of Balloon Diastolic Augmentation and Mechanical Ventricular Assistance*. **Trans Am Soc Artif Intern Organs** 17:143-146, 1971.

Petracek MR, Stevenson RL, Lewis KB, Wright JR, Love JW. *Effect of Hyperglycemia on Cardiac Tolerance to Normothermic Anoxic Arrest During Cardiopulmonary Bypass in Dogs*. **Ann Surgery** 172(6):1069-75, December 1970.

Petracek MR. *Localization of Alkaline Phosphatase, Acid Phosphatase, and Adenosine Triphosphatase in Fetal Toothbuds*. **Bios** 39:30-33, 1968.

Franklin TC, Beasley ML, Petracek MR, Itoh T, Barrett J. *Electron Diffraction Studies of Electrode Pretreatment*. **J Electrochem Soc Jap**, Overseas Ed., 36:02-07, 1968.

Abstracts

“One-Stop” Hybrid Percutaneous Coronary Intervention (PCI)with Coronary Artery Bypass Graft (CABG) vs. Standard CABG. Zhao DX, Greelish JP, Ahmad RA, Balaguer JM, Petracek MR, Byrne JG. **American Heart Association Meeting**, Chicago, IL., Nov. 12-15.

Vanderbilt Hybrid Experience: Balaguer JM, Greelish JP, Ahmad RA, Petracek MR, Byrne JG. **XXXIII Congreso Argentino De Cardiologia**, Argentina 2006.

Ultra Minimally Invasive Mitral Valve Surgery Without Aortic Cross Clamp. Kumar S, Ahmad R, Greelish J, Petracek M, Balaguer J, Byrne J. **ANZ J Surg.** 2007 May;77 Suppl 1:A8.

Impact of Completion Angiography after Surgical Coronary Revascularization. Kumar S, Ahmad R, Greelish J, Petracek M, Balaguer J, Byrne J. **ANZ J Surg.** 2007 May;77 Suppl 1:A8.

Is it Safe To Do Minimally Invasive Open Heart Surgery Without Aortic Cross Clamp? Sathappan VK, Petracek MR, Ball SK, Greelish JP, Ahmad RM, Balaguer JM, Byrne JG. **54th Annual Meeting of the Southern Thoracic Surgical Association**, Nov. 2007. Hyatt Regency Coconut Point, Bonita Springs, FL.

Clinical Investigations

82-004	Cordis Sequicor Theta Study	04/28/82
82-005	Medtronic Versitrax Model 700	04/28/82
82-010	Pacesetter AFP Implantable Multiprogramable Cardiac Pacemaker	06/30/82
83-038	Medtronic Symbios Pacemaker	12/07/83
84-003	Medtronic Symbios Pacemaker	01/11/84
84-017	CPI DELTA Model 925 Pacemaker	08/09/84
85-019	“Activities” Pulse Generator	08/05/85
86-004	CPI Pacing System Analytzer Model 2220	04/07/86
88-024	Clinical Investigation of the CPI’s Precept DR Pulse Generator, Model 1200; Precept Tripolar Lead, Model 4400; and the 2035 Handheld Programmer with the Precept DR Software Module, Model 2065	07/11/88
89-023	Synergyst II, Models 7070/7071 Pulse Generators	05/01/89
89-030	Implantation of Ventak-P AICD	09/11/89
90-007	CPI Ventak PRx System	02/05/90
90-029	Phase II Precept DR Clinical Investigation	09/10/90
91-027	Proposal for use of Cryopreserved Aortic Homograft Valve	09/09/91
91-039	Phase I Clinical Investigation – Medtronic Model 5078 Lead	12/02/91
91-040	Left Atrial Monitoring Catheter – Research Medical	01/02/91
92-006	Clinical Investigation of the Vigor DR Pulse Generator, Model 1230 and 1235; and the 2035 Handheld Programmer with the Vigor DR Software Module, Model 2075	04/06/92
92-023	Clinical Investigation of Endotak Lead System	07/13/92
92-031	Clinical Investigation of the CPI Steroid Eluting Pacemaker Lead, Model 4185 and 4285	09/14/92
93-041	Blood Usage During Coronary Artery Bypass Surgery	09/13/93
93-059	Clinical Evaluation of Multiple Automatic Implantable Cardioverter Defibrillators	12/06/93
93-060	CapSure SP (Model 5024/5524) Lead Concurrent Control Study	12/06/93
94-010	Toronto SPV Valve	03/07/94
94-026	Medtronic Bipolar Capsure Z, Model 5034/5534 Clinical Invest	06/06/94
94-042	CPI Ventak PRx II Clinical Investigation	10/03/94

95-003	Medtronic/Model 7218 Arrhythmia Control Device/Jewel IDE G-940087	01/09/95
96-017	Comparison of Transmyocardial Laser and Medical Therapy for Relief of Angina	04/01/96
96-037	Transmyocardial Revascular Study #2	08/05/96
99-017	An Observational Prospective Evaluation of the SJM Regent Heart Valve	05/03/99
99-051	Post-Marketing TMR Study	
00-008	Humanitarian Device Exemption: CryoLife BioGlue Surgical Adhesive	01/10/00

8/2008