

Curriculum Vitae
Vinod H. Thourani, MD

BUSINESS ADDRESS:

550 Peachtree Street
Emory Crawford Long Hospital
Medical Office Tower, 6th floor
Cardiothoracic Surgery
Atlanta, Georgia 30308
Office telephone: (404)686-2513
Fax number: (404) 686-4959

Citizenship: USA (Naturalized, 1981)

CURRENT POSITION

Assistant Professor of Cardiothoracic Surgery
Associate Director – Cardiothoracic Surgery Clinical Research Unit
Associate Director – Cardiothoracic Surgery Residency Program
Joseph B. Whitehead Department of Surgery
Emory University School of Medicine

EDUCATION:

Licensing

MD: Georgia, 1995
DEA certified

Certification

2003 Fellow of the American College of Surgeons
2007 Fellow of the American Board of Thoracic Surgeons (#7365)

Postgraduate

2007-present	Associate Director – CT Surgery Residency Program Emory University School of Medicine
Oct 19-Nov 3, 2006	Visiting Fellow (Minimally Invasive Valve Surgery) – Leipzig, Germany (Dr. Fredrick Mohr)
Sept 11-Oct 16, 2006	Percutaneous Coronary Fellowship – Fuwai Hospital, Beijing, China (Dr. Wang Wei)
2005-present	Assistant Professor of Surgery (Cardiothoracic Surgery) Emory University School of Medicine
2005-present	Associate Director – CT Surgery Clinical Research Unit Emory University School of Medicine
2004-2005	Administrative Chief Resident – Cardiothoracic Surgery Emory University School of Medicine Chief of Division: Robert A. Guyton, MD
2003-2004	Senior Resident in Cardiothoracic Surgery

Emory University School of Medicine
Chief of Division: Robert A. Guyton, MD

March 2003 Visiting Cardiothoracic Surgery Fellow – 2 weeks
Brigham and Women’s Hospital
Harvard Medical School
Advisor: Lawrence Cohn, MD

2002-2003 Fellow in Cardiothoracic Surgery
Emory University School of Medicine
Chief of Division: Robert A. Guyton, MD

2001-2002 Chief Resident in General Surgery
Emory University School of Medicine
Chairman of Department: William C. Wood, MD

1999-2001 Resident in General Surgery
Emory University School of Medicine
Chairman of Department: William C. Wood, MD

1998-1999 Thoracic Surgery Research Foundation Fellow
Division of Cardiothoracic Surgery
Emory University School of Medicine
Advisor: Jakob Vinten-Johansen, PhD
Robert A. Guyton, MD

1996-1998 Joseph B. Whitehead Research Fellow
Department of Surgery, Division of Cardiothoracic Surgery
Emory University School of Medicine
Advisors: Jakob Vinten-Johansen, PhD
Robert A. Guyton, MD

1994-1996 Intern and Junior Resident in General Surgery
Emory University School of Medicine
Chairman of Department: William C. Wood, MD

Medical School
1990-1994 Doctor of Medicine
Emory University School of Medicine
Atlanta, Georgia
Advisor: David V. Feliciano, MD

Undergraduate
1986-1990 Bachelor of Science (Biology)
Furman University
Greenville, South Carolina
Advisor: Gilbert Fairbanks, PhD

High School
1982-1986 Pee Dee Academy
Mullins, South Carolina

TEACHING EXPERIENCE:

2007-present	Georgia Institute of Technology PhD Thesis Committee - Murali Padala - Rodney Akneky
2006-present	Emory University School of Medicine Medical Student Research Mentor 2006: Ateet Patel, BS 2007-2008: Richard Lee, BS
2001-present	Emory University School of Medicine Medical Student Mentor
1989-1990	Furman University Advantage Program Fellow Teaching Assistant Molecular and Cellular Physiology

EDUCATIONAL COURSES (Director):

2008	7 th Annual Emory University Surgery Research Day Emory University Conference Center, Atlanta, GA May, 2008 Organizing Director Invited Keynote Speaker: Howard P. Greisler, MD Professor of Surgery (Vascular Surgery)
2008	44 th Annual Meeting of the Society of Thoracic Surgeons Co-Course Director for the STS University Course #3: Advanced Skills Set for Cardiothoracic Residents
2007	6 th Annual Emory University Surgery Research Day Emory University Conference Center, Atlanta, GA May, 2007 Organizing Director Invited Keynote Speaker: Frank Sellke, MD, PhD Professor of Surgery (Cardiac Surgery)
2006	1 st Annual AIMS Biodesign meeting, Executive Committee Director of Abstract Submissions Co-Moderator – Percutaneous Valve Section
2006	5 th Annual Emory University Surgery Research Day Emory University Conference Center, Atlanta, GA April, 2006 Organizing Director Invited Keynote Speaker: Stuart J. Knechtle, M.D. Professor of Surgery (Transplant Surgery)
2005	4 th Annual Emory University Surgery Research Day Emory University Conference Center, Atlanta, GA

- April, 2005
 Organizing Director
 Invited Keynote Speaker: Alexander Clowes, MD
 Professor of Surgery (Vascular Surgery)
- 2004 3rd Annual Emory University Surgery Research Day
 Emory University Conference Center, Atlanta, GA
 April, 2004
 Organizing Director
 Invited Keynote Speaker: William C. Wood, MD
 Joseph B. Whitehead Chairman of Surgery,
 Emory University School of Medicine
- 2003 2nd Annual Emory University Surgery Research Day
 Emory University Conference Center, Atlanta, GA
 May, 2003
 Organizing Director
 Invited Keynote Speaker: David V. Feliciano, MD
 Chief of Surgery, Grady Memorial Hospital,
 Emory University School of Medicine
- 2002 1st Annual Emory University Surgery Research Day
 Emory University Conference Center, Atlanta, GA
 April, 2002
 Founder and Organizing Director
 Invited Keynote Speaker: Robert A. Guyton, MD
 Charles Hatcher, Jr, Professor and Chief of Cardiothoracic Surgery,
 Emory University School of Medicine
- 2002 International Symposium on Myocardial Protection from
 Surgical Ischemic-Reperfusion Injury, Asheville, NC
 Scientific Advisory Board – Abstract Review and Publications
 Committee

EDUCATIONAL COURSES (Attended):

- 2006 Society of Thoracic Surgeons Thoracic Endovascular Course
 Chicago, IL. July, 2006
- 2004-2006 Society of Thoracic Surgeons Intensive Clinical
 Research Training Program
 Denver, CO. August 5-11, 2004

PROFESSIONAL MEMBERSHIPS

- 2008-present Society of Thoracic Surgeons
 2007-present Southern Thoracic Surgical Association
 2007-present International Society of Minimally Invasive Cardiothoracic Surgery
 2007-present South Atlantic Cardiovascular Society
 2002-present Atlanta Surgical Association
 1998-Present Medical Association of Georgia
 1994-Present American College of Surgeons

HONORARY SOCIETIES:

2003-Present	Alpha Omega Alpha National Medical Honor Society
1998-Present	Outstanding Young Men of America
1990-1994	Who's Who in American Universities and Colleges
1990-Present	Omicron Delta Kappa National Leadership Society
1989-Present	Phi Beta Kappa National Honor Society
1986-Present	Phi Eta Sigma National Freshman Honor Society
1986-1990	Outstanding College Students of America

LEADERSHIP POSTIONS:

2008-2010	Southern Thoracic Surgical Association Annual Meeting Program Committee
2007-present	South Atlantic Cardiovascular Society – State of Georgia Steering Committee Member and Representative
2006-present	Joseph B. Whitehead Department of Surgery Resident Education Committee – Emory University School of Medicine
2006-present	National Youth Leadership Mentor (for selected high school students interested in medicine)
2006-present	Secretary-Treasurer, Atlanta Surgical Association
2004-present	Joseph B. Whitehead Department of Surgery Research Steering Committee – Emory University School of Medicine
2004-present	Thoracic Surgery Resident's Association - Research Committee Chair
2004-present	Thoracic Surgery Resident's Association (TSRA) Executive Council
2004-present	Editor, CTSNet Resident's Section
2002-present	Atlanta Surgical Association Co-Founder, Executive Council, and Charter Member
2001-2002	Issues Committee; Candidate and Associate Society of the American College of Surgeons (CAS-ACS)
2000-2003	Council of Representatives (for the State of Georgia) of the CAS- ACS
1998-Present	Medical Association of Georgia
1998-Present	American Heart Association - Cardiothoracic Surgery Council
1998-Present	Furman University Class Agent and Atlanta Alumni Mentorship and Outreach Program Furman University, Greenville, South Carolina
1997-Present	Southeastern Surgical Association
1996-2002	Southern Medical Association - Candidate Section
1996-2002	Junior Volunteer Committee Member Egleston Children's Hospital, Atlanta, Georgia
1996-Present	Alumni Advisory Council (Class of 1990) Furman University, Greenville, South Carolina
1994-2002	Residents' Advisory Committee, Department of Surgery Emory University School of Medicine, Atlanta, Georgia
1994-2004	American College of Surgeons - Candidate Section
1990-2000	American Medical Association - Resident Section

AD-HOC SCIENTIFIC JOURNAL REVIEWER

Annals of Thoracic Surgery, Circulation, Circulation Research, Cardiovascular Research, Innovations, and Journal of Cardiothoracic Surgery, Journal of Thoracic and Cardiovascular Surgery

SCIENTIFIC ADVISORY BOARDS

2007-present Scientific Advisory Board – MitralSolutions
 2006-present Scientific Advisory Board – CardioMems
 2005-present Scientific Advisory Board – Transcatheter Therapeutics, LLC
 2005-present Advisory Board – Center for Device Innovation, Emory University School of Medicine

AWARDS/FELLOWSHIPS:

2008 Geriatric Patient Care Award
 44th Annual Meeting of the Society of Thoracic Surgeons
 Fort Lauderdale, Florida
 “Long-term outcomes after isolated aortic valve replacement in octogenarians: a modern perspective”

2008 Best Scientific Poster
 44th Annual Meeting of the Society of Thoracic Surgeons
 Fort Lauderdale, Florida
 “Off-pump surgery is associated with a reduced incidence of heparin-induced thrombocytopenia in isolated coronary artery bypass grafting” presented by my resident Faraz Kerendi, MD

2002 Second place award
 3rd International Symposium on Myocardial Protection From Surgical Ischemic-Reperfusion Injury, Featured Research
 The Grove Park Inn, Asheville, North Carolina
 “Adenosine during peri-reperfusion or as an adjunct to blood cardioplegia reduces myocardial apoptosis following surgical revascularization”

2002 Second place award
 Annual Meeting of the American College of Surgeons, Georgia Chapter
 The Cloisters, Sea Island, Georgia
 “Factors affecting success of split-thickness skin grafts (STSG) in the modern burn unit”

2000 Third place award
 13th Annual American College of Surgeons-Georgia State Committee on Trauma and Critical Care
 Macon, Georgia
 “Effect of graft bed on split thickness skin graft success following burn excision”

1998-1999 Thoracic Surgery Foundation Research Fellowship Award (\$35,000 salary)
 “Myocardial protection using a novel adenosine A₃-receptor approach”

1999 First place award
 Annual Meeting of the American College of Surgeons, Georgia Chapter

- The Cloisters, Sea Island, Georgia
 “Reperfusion injury is reduced with heparin”
- 1998 First place award
 American College of Surgeons-Regional Committee on Trauma and
 Critical Care
 Mobile, Alabama
 “A modified heparin derivative attenuates reperfusion injury without
 causing anticoagulation”
- 1998 First place award
 11th Annual American College of Surgeons-Georgia State Committee
 on Trauma and Critical Care
 Augusta, Georgia
 “A modified heparin derivative attenuates reperfusion injury without
 causing anticoagulation”
- 1998 Fourth place award
 Annual Meeting of the American College of Surgeons, Georgia
 Chapter
 The Cloisters, Sea Island, Georgia
 “Twenty-two years of penetrating cardiac trauma at Grady Memorial
 Hospital”
- 1996-1997 Whitehead Research Fellowship Award in Surgery
 Emory University School of Medicine
 Atlanta, Georgia
- 1996 Third place award
 8th Annual Georgia State Committee on Trauma
 Savannah, Georgia
 “The focused ultrasound examination in pediatric trauma”
- Undergraduate**
- 1990 Annual Student Achievement Award
 Alpha Epsilon Delta Premedical Honor Society
- 1990 Annual Student Volunteer Achievement Award
 Collegiate Education Service Corps
- 1989 Alfred S. Reid Award
 For most outstanding male student at Furman University

RESEARCH - EXTERNAL FUNDING AND GRANTS

- 2007-present Local Surgical Co-Principal Investigator
 Edwards SAPIEN™ percutaneous aortic valve trial
 Status: Awarded
 Co-PI: Robert A. Guyton, MD and Peter Block, MD
- 2007-2012 Co-Investigator

	<p>NIH Adult Cardiothoracic Surgical Network U01 Grant Status: Awarded \$2.5 million/year for 5 years to Emory \$100,000 per year for salary support for Dr. Thourani PI: John D. Puskas, MD, Co-I: Robert A. Guyton, MD</p>
2007-present	<p>Co-Principal Investigator “Development of a novel cardiovascular implant to increase the durability of mitral valve repair in the setting of ischemic mitral regurgitation and cardiomyopathy” Wallace H. Coulter translational/clinical research seed grant program proposal Status: Awarded \$60,000 Co-PI: Ajit Yoganathan, PhD</p>
2007-present	<p>Principal Investigator “Novel radio-frequency pressure transducer for evaluating mitral valve repair” Emory University Research Committee Status: Awarded \$30,000</p>
2006-present	<p>Principal Investigator “Study of immunologic responses to bioprosthetic heart valve implants” Medtronic Corporation Status: Awarded \$32,000</p>
2006-present	<p>Co-Principal Investigator “Development of a novel cardiovascular implant to increase the durability of mitral valve repair in the setting of ischemic mitral regurgitation and cardiomyopathy” Wallace H. Coulter translational/clinical research seed grant program proposal Status: Awarded \$130,000 Co-PI: Ajit Yoganathan, PhD</p>
2006-present	<p>Principal Investigator “Long-term outcomes in patients who have undergone CO₂ transmyocardial laser revascularization (TMR)” Edwards LifeSciences Status: Awarded \$18,500</p>
1999-2000	<p>Co-Investigator “Adenosine as an adjunct to blood cardioplegia in humans undergoing coronary artery bypass grafting” Emory University Research Committee Status: Awarded \$23,395 PI: W. Morris Brown, III, MD</p>
1998-1999	<p>Principal Investigator Thoracic Surgery Foundation Research Fellowship Award</p>

“Myocardial protection using a novel adenosine A₃-
receptor approach”

Status: Awarded \$35,000

Mentor: Jakob Vinten-Johansen, PhD

ORAL PRESENTATIONS (National/Regional Scientific Meetings):

1. **Thourani VH**, Eldaieef SM, Mutrie C, Vassiliades TA, Lattouf OM, Guyton RA, Rutledge C, and Puskas JD. Outcomes in 434 coronary artery bypass patients using 647 heartstring devices for the clampless construction of proximal anastomoses. Presented at 11th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June, 2008.
2. Lattouf OM, **Thourani VH**, Kilgo P, Baio KT, Guyton RA, and Puskas JD. Intraoperative epi-aortic ultrasound scanning guides operative strategies and identifies patients at high risk during coronary artery bypass grafting. Presented at 11th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June, 2008.
3. Lattouf OM, **Thourani VH**, Kilgo PD, Guyton RA, and Puskas JD. Off-pump coronary artery bypass grafting is associated with reduced operative mortality and in-hospital adverse events in patients with left main coronary artery disease. Presented at 11th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June, 2008.
4. Puskas JD, Halkos ME, **Thourani VH**, Kilgo PD, Lattouf OM, and Guyton RA. Preoperative hemoglobin A1c predicts wound complications after coronary bypass surgery with bilateral vs. single internal thoracic artery grafts: a propensity adjusted analysis. Presented at 11th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June, 2008.
5. Kerendi F, Puskas JD, Lattouf OM, Halkos ME, Kilgo P, Guyton RA, **Thourani VH**. The impact of off-pump versus on-pump coronary artery bypass surgery on postoperative pulmonary complications and mortality in patients with COPD. Presented at 11th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June, 2008.
6. Padala M, Croft LR, Powell S, **Thourani VH**, Yoganathan AP, and Adams DA. Mitral valve hemodynamics following repair of acute posterior leaflet prolapse: quadrangular resection versus triangular resection versus neo-chordoplasty. Presented at the 88th Annual Meeting of the American Association for Thoracic Surgery. San Diego, CA, May, 2008.
7. **Thourani VH**, Myung R, Lattouf OM, Kilgo P, Puskas JD, Thompson K, Chen EP, and Guyton RA. Long-term outcomes after isolated aortic valve replacement in octogenarians: a modern perspective. Presented at the 44th Annual Meeting of the Society of Thoracic Surgeons. Fort Lauderdale, Florida, January, 2008.
8. Puskas JD, Kilgo PD, Lattouf OM, **Thourani VH**, Cooper WA, Vassiliades TA, Chen EP, Tinkham PB, and Guyton RA. Off-pump coronary artery bypass grafting is associated with significantly reduced operative mortality and in-hospital adverse events and is equivalent to on-pump CABG in 10-year survival. Presented at the 44th Annual Meeting of the Society of Thoracic Surgeons. Fort Lauderdale, Florida, January, 2008.
9. Halkos ME, Puskas JD, Lattouf OM, Kilgo P, Guyton RA, and **Thourani VH**. Impact of preoperative neurologic events on postoperative neurologic events and mortality: comparison of off- versus on-pump coronary artery bypass surgery. Presented at the 54th Annual Meeting of the Southern Thoracic Surgical Association. Bonita Springs, Florida, November 2007.
10. Halkos ME, **Thourani VH**, Lattouf OM, Kilgo P, Guyton RA, and Puskas JD. HbA1c is more predictive than diabetes mellitus for morbidity and mortality in patients undergoing primary coronary artery bypass grafting. Presented at the 87th Annual Meeting of the American Association for Thoracic Surgery. Washington, D.C., May, 2007.
11. Lattouf OM, Puskas JD, **Thourani VH**, Kilgo P, Noora J, and Guyton RA. Does the number of grafts influence surgeon choice and patient benefit of OPCAB over conventional CABG for multivessel disease? Presented at the 43rd Annual Meeting of the Society of Thoracic Surgeons. San Diego, California, January, 2007.

12. Kerendi F, **Thourani VH**, Puskas JD, Kilgo P, Guyton RA and Lattouf OM. The impact of heparin-induced thrombocytopenia on postoperative outcomes following cardiac surgery. Presented at the 43rd Annual Meeting of the Society of Thoracic Surgeons. San Diego, California, January, 2007.
13. Lattouf OM, Corvera JS, **Thourani VH**, Puskas JD, and Guyton RA. Minimally invasive surgical left ventricular resynchronization therapy: a four-year follow-up. Presented at the 9th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. San Francisco, California, June, 2006.
14. Morris CD, Puskas JD, Pusca SV, Lattouf OM, Cooper WA, Vassiliades TA, Chen ED, **Thourani VH**, Kilgo PD, Guyton RA. Outcomes after off-pump reoperative coronary artery bypass grafting. Presented at the 9th Annual Scientific Meeting of the International Society for Minimally Invasive Cardiothoracic Surgery. San Francisco, California, June, 2006.
15. Vassiliades TA, Reddy VS, **Thourani V**, Puskas JD, and Guyton RA. Longterm results of the endoscopic atraumatic coronary artery bypass. Presented at the 52nd Annual Meeting of the Southern Thoracic Surgical Association. Orlando, Florida, November 2005. President's Award awarded 2006.
16. **Thourani VH**, Kirshbom PM, Kanter KR, Simsic J, Kogon B, Wagoner S, Dykes F, Fortenberry J, and Forbess JM. Venoarterial Extracorporeal Membrane Oxygenation for Pediatric Cardiac Support: Cannulation during Cardiopulmonary Resuscitation is not a Risk Factor for Hospital Mortality. Presented at the 51st Annual Meeting of the Southern Thoracic Surgical Association. Cancun, Mexico, November 2004.
17. Halkos M, Craver JM, **Thourani VH**, Kerendi F, Puskas JD, Cooper WA, and Guyton RA. Radiofrequency ablation for treatment of atrial fibrillation during concomitant cardiac operations. Presented at the 51st Annual Meeting of the Southern Thoracic Surgical Association. Cancun, Mexico, November 2004.
18. **Thourani VH**, Tanaka K, Williams WH, Guyton RA, Levy JH, and Puskas JD. A comparative evaluation of coagulation in patients undergoing on-pump and off-pump coronary bypass surgery. Presented at the 7th Annual Scientific Meeting of the International Society of Minimally Invasive Cardiac Surgery. London, England, June 2004.
19. Deaton C, **Thourani V**, Gheorge A, and Easley K. Pre-hospital management of diabetes: effect on outcomes of diabetic patients undergoing CABG. Presented at the 4th Annual Spring Meeting of the European Society of Cardiology Working Group on Cardiovascular Nursing. Amsterdam, Netherlands, April 2004.
20. Tumlin J, **Thourani VH**, Shaw A, Finkle K, Murray P, and Guyton RA. Fenoldopam mesylate reduces the incidence of dialysis in patients developing acute tubular necrosis following open heart surgery: results of a randomized double-blind, placebo-controlled trial. Presented at the 40th Annual Meeting of the Society of Thoracic Surgeons. San Antonio, Texas, January 2004.
21. **Thourani VH** and Miller JI, Jr. Physicians assistants in cardiothoracic surgery: a thirty-year experience at a university center. Presented at the 50th Annual Meeting of the Southern Thoracic Surgical Association. Bonita Springs, Florida, November 2003.
22. **Thourani VH**, Miller DL, Halkar R, Serna DL, DeLarosa J, Mansour KA, Kolm P, Veledar E, Force S, and Miller JI, Jr. Correlation of preoperative whole-body positron emission tomographic scanning and pathology findings in patients undergoing surgery for suspected thoracic malignancies. Presented at the 50th Annual Meeting of the Southern Thoracic Surgical Association. Bonita Springs, Florida, November 2003.
23. **Thourani VH**, Odessey E, Durham MM, Miller JI, Jr, Miller DL, and Mansour KA. Repair of pectus excavatum and carinatum in adults: a 26-year perspective. Presented at the 49th Annual Meeting of the Southern Thoracic Surgical Association. Miami, Florida, November 2002.
24. **Thourani VH**, Lancaster RT, Mansour KA, and Miller JI, Jr. Twenty-years experience with the modified Eloesser flap. Presented at the 49th Annual Meeting of the Southern Thoracic Surgical Association. Miami, Florida, November 2002.
25. **Thourani VH**, Wang NP, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Adenosine during peri-reperfusion or as an adjunct to blood cardioplegia reduces myocardial apoptosis following surgical

- revascularization. Presented at the 3rd International Symposium on Myocardial Protection From Surgical Ischemic-Reperfusion Injury, Featured Research Section. Asheville, North Carolina, June 2002.
26. Pruitt A, Dodson TF, Najibi S, **Thourani V**, Sherman A, Cloft H, Caliendo, and Smith RB, III. Distal septic emboli and brachiocephalic artery mycotic pseudoaneurysm as a complication of stenting. Presented at the 26th Annual Meeting of the Southern Association for Vascular Surgery. Loews Miami Beach Hotel, Miami Beach, Florida, January 2002.
 27. **Thourani VH**, Ingram WL and Feliciano DV. Factors affecting success of split-thickness skin grafts (STSG) in the modern burn unit. Presented at the Annual American College of Surgeons Meeting, Georgia Chapter. The Cloisters, Sea Island, Georgia, November 2001.
 28. **Thourani VH**, Losken A, Reeves JG, Miller JI, Jr, Carlson G, Jones G, and Mansour KA. Chest wall resections and reconstructions: a 25-year experience. Presented at the 48th Annual Meeting of The Southern Thoracic Surgical Association. San Antonio, Texas, November 2001.
 29. **Thourani VH**, Ingram WL and Feliciano DV. Factors affecting success of split-thickness skin grafts (STSG) in the modern burn unit. Was to be presented at the 61st Annual Meeting of the American Association for the Surgery of Trauma (meeting cancelled secondary to New York Trade Center bombings). Seattle, Washington, September 2001.
 30. **Thourani VH**, Feliciano DV, and Ingram WL. Effect of graft bed on split thickness skin graft success following burn excision. Presented at the 13th Annual Georgia State Committee on Trauma and Critical Care. Macon, Georgia, October 2000.
 31. Gott JP, **Thourani VH**, Sadel SM, Wright CE, Brown WM, Puskas JD, and Guyton RA. A safe strategy for stroke reduction in the setting of the atherosclerotic ascending aorta. Presented at the 46th Annual meeting of The Southern Thoracic Surgical Association. Marco Island, Florida, November 2000.
 32. Feliciano DV, Rozycki GS, **Thourani VH**, Cava RA, Hammerman D, Salamone JP, and Ingram WL. Changing indications for temporary intravascular shunts in peripheral vascular trauma. Presented at the 68th Annual Meeting of The Southeastern Surgical Congress. Lake Buena Vista, Florida, February 2000.
 33. Puskas JD, **Thourani VH**, Vinten-Johansen, and Guyton RA. Active perfusion of coronary grafts facilitates complex off-pump coronary artery bypass surgery. Presented at the 6th Annual Cardiothoracic Techniques and Technologies Meeting. Bal Harbour, Florida, February 2000.
 34. Puskas JD, **Thourani VH**, Marshall JJ, Dempsey SJ, Steiner MA, Sammons BH, Brown WM, III, Gott JP, Weintraub WS, and Guyton RA. Clinical outcomes, angiographic patency and resource utilization in 200 consecutive off-pump coronary bypass patients. Presented at the 36th Annual Meeting of The Society of Thoracic Surgeons. Fort Lauderdale, Florida, February 2000.
 35. **Thourani VH**, Weintraub WS, Guyton RA, Jones EL, Gott JP, Brown WM, Puskas JD, and Craver JM. Case-matched comparison of 712 mitral valve repairs versus 712 mitral valve replacements: long-term follow-up and cost-effectiveness. Presented at the 72nd Scientific Sessions of The American Heart Association. Atlanta, Georgia, November 1999.
 36. Nakamura M, **Thourani VH**, Ronson RS, Velez D, Ma X-L, Brown LAS, Guyton RA, and Vinten-Johansen. Adjunct glutathione reverses endothelial damage from peroxynitrite, the by-product of nitric oxide degradation, in crystalloid cardioplegia. Presented at the 72nd Scientific Sessions of The American Heart Association. Atlanta, Georgia, November 1999.
 37. **Thourani VH**, Weintraub WS, Craver JM, Jones EL, Gott JP, Brown WM, Puskas JP, and Guyton RA. Long-term survival and resource utilization of 1844 patients undergoing mitral valve replacement: effects of concomitant coronary bypass surgery and urgent/emergent operations. Presented at the 46th Annual meeting of The Southern Thoracic Surgical Association. San Juan, Puerto Rico, November 1999.
 38. **Thourani VH**, Feliciano DV, Rozycki GS, and Cave RA. The use of temporary intravascular shunts in “damage control surgery” for peripheral vascular trauma. Presented at the 12th Annual Georgia State Committee on Trauma and Critical Care. Savannah, Georgia, October 1999.
 39. **Thourani VH**, Wang NP, Ronson RS, Zhao Z-Q, Nakamura M, Guyton RA, and Vinten-Johansen J. Myocardial apoptosis after surgical revascularization is attenuated by adjunct adenosine in blood cardioplegia. Presented at the 85th Clinical Sessions of The American College of Surgeons, Surgical Forum. San Francisco, California, October 1999.

40. **Thourani VH.** A modified heparin derivative attenuates reperfusion injury without causing anticoagulation. American College of Surgeons, Committee on Trauma and Critical Care (National competition). Washington, DC, March 1999.
41. **Thourani VH,** Ronson RS, Velez DA, Guyton RA, and Vinten-Johansen. Reperfusion injury is reduced with heparin. Presented at the Annual American College of Surgeons Meeting, Georgia Chapter. The Cloisters, Sea Island, Georgia, March 1999.
42. **Thourani VH,** Feliciano DV, Cooper WA, Brady KM, Adams AB, Rozycki GS, and Symbas PN. Penetrating cardiac trauma at an urban trauma center: a 22-year perspective. Presented at the 67th Scientific Sessions of The Southeastern Surgical Congress. Tampa, Florida, February 1999.
43. **Thourani VH.** A modified heparin derivative attenuates reperfusion injury without causing anticoagulation. American College of Surgeons, Committee on Trauma and Critical Care (Regional competition). Mobile, Alabama, November 1998.
44. **Thourani VH,** Ronson RS, VanWynen D, Shearer ST, Katzmark SL, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Myocardial protection with adenosine given at reperfusion is superior to adenosine-enhanced cardioplegia. Presented at the 71st Scientific Sessions of The American Heart Association. Dallas, Texas, November 1998.
45. **Thourani VH,** Weintraub WS, Craver JM, Jones EL, Mahoney E, and Guyton RA. Ten year trends in valvular heart disease. Presented at the 71st Scientific Sessions of The American Heart Association. Dallas, Texas, November 1998.
46. Ronson RS, **Thourani VH,** Ma X-L, Katzmark SL, Shearer ST, Zhao ZQ, Nakamura M, Guyton RA, Vinten-Johansen J. Peroxynitrite is beneficial in blood cardioplegia, but injurious in crystalloid cardioplegia in vivo. Presented at the 71st Scientific Sessions of The American Heart Association. Dallas, Texas, November 1998.
47. Cooper WA, Duarte IG, **Thourani VH,** Nakamura M, Brown WM, Gott JP, Vinten-Johansen J, and Guyton RA. Deep hypothermic circulatory arrest causes multisystem vascular endothelial dysfunction and apoptosis. Presented at the 45th Annual meeting of The Southern Thoracic Surgical Association. Orlando, Florida, November 1998.
48. Gott JP, **Thourani VH,** Wright CE, Brown WB, Adams AB, McKinnon WM, and Guyton RA. Risk neutralization in cardiac surgery: efficacy and expense of detection and treatment of associated carotid disease. Presented at the 45th Annual meeting of The Southern Thoracic Surgical Association. Orlando, Florida, November 1998.
49. Cooper WA, **Thourani VH,** Gal AA, Lee RB, Mansour KA, and Miller JI. The surgical spectrum of pulmonary neuroendocrine neoplasms. Presented at The American College of Chest Physicians. Toronto, Canada, November 1998.
50. **Thourani VH,** Ronson RS, Jordan JE, Zhao Z-Q, Nakamura M, Guyton RA, and Vinten-Johansen J. Pretreatment with a specific adenosine A₃ receptor agonist before cardioplegia arrest improves postischemic function of jeopardized myocardium. Presented at the 84th Clinical Sessions of The American College of Surgeons, Surgical Forum. Orlando, Florida, October 1998.
51. **Thourani VH.** A modified heparin derivative attenuates reperfusion injury without causing anticoagulation. Presented at the 11th Annual Georgia State Committee on Trauma and Critical Care. Augusta, Georgia, October 1998.
52. **Thourani VH,** Cooper WA, Brady KM, Adams AB, Rozycki GS, Feliciano DV, and Symbas PN. Twenty-two years of penetrating cardiac trauma at Grady Memorial Hospital. Presented at the Annual American College of Surgeons Meeting, Georgia Chapter. The Cloisters, Sea Island, Georgia, March 1998.
53. **Thourani VH,** Brady KM, Mansour KA, Miller JI, and Lee RB. Treatment modalities of empyema: A cost-effective analysis. Presented at the 34th Annual Meeting of The Society of Thoracic Surgeons. New Orleans, Louisiana, February 1998.
54. **Thourani VH,** Cooper WA, Brady KM, Adams AB, Rozycki GS, Feliciano DV, and Symbas PN. Penetrating cardiac trauma at an urban trauma center: a 22-year perspective. Presented at the 10th Annual Georgia State Committee on Trauma and Critical Care. Macon, Georgia, December 1997.

55. **Thourani VH**, Nakamura M, Duarte IG, Bufkin BL, Zhao Z-Q, Jordan JE, Shearer ST, Guyton RA, and Vinten-Johansen J. Ischemic preconditioning attenuates postischemic coronary artery endothelial dysfunction in a model of minimally invasive direct coronary artery bypass (MIDCAB). Presented at the 70th Scientific Sessions of The American Heart Association. Orlando, Florida, November 1997.
56. Bufkin BL, Shearer ST, Vinten-Johansen J, Duarte IG, **Thourani VH**, Nakamura M, Zhao Z-Q, and Guyton RA. Ischemic preconditioning during simulate MIDCAB does not prevent contractile dysfunction but attenuates blood flow defects and neutrophil accumulation. Presented at the 44th Annual Meeting of The Southern Thoracic Surgical Association. Naples, Florida, November 1997.
57. **Thourani VH**, Pettitt BJ, Schmidt JA, Cooper WA, and Rozycki GS. Validation of surgeon-performed emergency abdominal ultrasound in pediatric trauma patients. Presented at the 28th Annual Meeting of The American Pediatric Surgical Association. Naples, Florida, May 1997.
58. **Thourani VH**, Cooper WA, Schmidt JA, Feliciano DV, and Rozycki GS. Focused surgeon-performed ultrasound in pediatric trauma. Presented at the Annual Meeting of The American College of Surgeons, Georgia Chapter Meeting. The Cloisters, Sea Island, Georgia, March 1996.
59. **Thourani VH**, Cooper WA, Schmidt JA, Feliciano DV, and Rozycki GS. The use of the focused ultrasound during pediatric trauma: A Grady Experience. Presented at the 11th Annual Georgia State Committee on Trauma and Critical Care. Savannah, Georgia, December 1995.
60. **Thourani VH**, Goins BA, Rudolph AS, and Ligler FS. Synthesis of ganglioside GM₁ for incorporation on liposome encapsulated hemoglobin. Presented at the 4th National Conference on Undergraduate Research. Schnectady, New York, 1990.

ORAL PRESENTATIONS (Invited):

1. **Thourani VH**. Controversies in CABG versus coronary stenting. To be presented at the 17th Annual Cardiology Update for Primary Care Physicians. Omaha, NE, October 2008.
2. **Thourani VH**. Alternatives to conventional aortic valve surgery: percutaneous, transapical, and apical-aortic conduits. To be presented at the Intraoperative Echocardiography in the 21st Century. Atlanta, GA, September 2008.
3. **Thourani VH**. Controversies in CABG versus coronary stenting. To be presented at the 35th Annual Meeting of the South Atlantic Cardiovascular Society. Kiawah Island Resort, Kiawah Island, SC, July 2008.
4. **Thourani VH**. New therapies in percutaneous valve surgery. Presented at the 3rd Annual Thoracic Surgery Resident's Association/Thoracic Surgery Director's Association conference on Minimally Invasive Cardiac Surgery. Cincinnati, OH, April 2008.
5. **Thourani VH**. Five cases of coagulation disorders in cardiac surgery. Presented at the 34th Annual Meeting of the South Atlantic Cardiovascular Society. Kiawah Island Resort, Kiawah Island, SC, July 2007.
6. **Thourani VH**. New therapies in percutaneous valve surgery. Presented at the 2nd Annual Thoracic Surgery Resident's Association/Thoracic Surgery Director's Association conference on Minimally Invasive Cardiac Surgery. Cincinnati, OH, April 2007.
7. **Thourani VH**. The US cardiothoracic surgery training system. Presented at weekly cardiovascular rounds. Leipzig, Germany, November 2006.
8. **Thourani VH**. Percutaneous valve surgery, where do we currently stand. Presented at the Department of Cardiovascular Conference. Fuwai Hospital for Cardiovascular Disease, Beijing, China, October 2006.
9. **Thourani VH**. The training of US cardiothoracic surgeons. Presented at the Department of Cardiovascular Grand Rounds. Fuwai Hospital for Cardiovascular Disease, Beijing, China, September 2006.
10. **Thourani VH**. Off-pump coronary surgery at Emory University. Presented at the Department of Cardiovascular Conference. Fuwai Hospital for Cardiovascular Disease, Beijing, China, September 2006.
11. **Thourani VH**. New therapies in percutaneous valve surgery. Presented at the 1st Annual Thoracic Surgery Resident's Association/Thoracic Surgery Director's Association conference on Minimally Invasive Cardiac Surgery. Cincinnati, OH, May 2006.

12. **Thourani VH.** Applications for internet learning in cardiothoracic and vascular surgery. Presented at the 55th International Congress of European Society for Cardiovascular Surgery. St. Petersburg, Russia, May 2006.
13. **Thourani VH.** Myocardial protection during cardiac surgery. To be presented at the Division of Cardiothoracic Anesthesia Update on Cardiopulmonary Bypass, Emory University School of Medicine. Atlanta, Georgia, January 2006.
14. **Thourani VH.** Innovations in cardiac surgery. Presented at the 4th Annual Wellstar Cardiology Symposium, Marietta Conference Center. Marietta, Georgia, November 2005.
15. **Thourani VH.** Protecting the brain during coronary artery bypass. Presented at the Emory Center for Outcome Research Conference, Emory University School of Medicine. Atlanta, Georgia, January 2005
16. **Thourani VH.** Myocardial protection: what an anesthesiologist resident need to know. Presented at the Emory University School of Medicine Department of Anesthesia, Cardiopulmonary Bypass Course. Atlanta, Georgia, January 2005.
17. **Thourani VH.** Protecting the heart: how we do what we do best. Presented at the Emory University School of Medicine Department of Anesthesia, Cardiopulmonary Bypass Course. Atlanta, Georgia, January 2004.
18. **Thourani VH.** Myocardial protection: protecting the heart, protecting your future. Presented at the Annual Meeting of the Perfusionists of Georgia Educational Meeting. Atlanta, Georgia, October 2003.
19. **Thourani VH.** Myocardial protection and cardioplegia. Presented at the Emory University School of Medicine Department of Anesthesia, Cardiopulmonary Bypass Course. Atlanta, Georgia, January 2003.
20. **Thourani VH.** Case-matched comparison of mitral valve repair and replacement: The Emory Experience. Presented at the Emory University School of Medicine Department of Medicine, Division of Cardiology Research Day. Atlanta, Georgia, June 2002.
21. **Thourani VH,** Puskas JD, and Guyton RA. Case-matched comparison of 378 off-pump coronary artery bypass grafting patients versus 378 on-pump coronary artery bypass grafting patients. Presented at the NewEra Cardiac Care 2001. Dana Point, California, January 2001.
22. **Thourani VH.** Understanding off-pump coronary artery bypass surgery. Presented at the Emory Center for Outcome Research Conference, Emory University School of Medicine. Atlanta, Georgia, April 2000.
23. **Thourani VH.** New techniques in cardiothoracic surgery research. Presented at General Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, October 1999.
24. **Thourani VH.** Adenosine in cardiac surgery. A Role? A Benefit? Presented at Cardiopulmonary Bypass in the 90s. Atlanta, Georgia, September 1999.
25. **Thourani VH.** Outcomes and resource utilization of valve surgery at Emory University. Presented at the Emory Center for Outcome Research Conference, Emory University School of Medicine. Atlanta, Georgia, May 1999.
26. **Thourani VH.** Diabetes management in patients undergoing coronary artery bypass surgery. Presented at the Emory Center for Outcome Research Conference, Emory University School of Medicine. Atlanta, Georgia, December 1998.
27. **Thourani VH.** The cardioprotective effects of stimulation of the adenosine A₃ receptor. Presented at Research Biochemicals International (RBI). Natick, Massachusetts, May 1998.
28. **Thourani VH.** Reviewer for: Woody JD, Fabian TS, Ciraulo DC, Lett ED, Barker DE, and Burns RP. Post-traumatic carotid cavernous fistula: a frequency analysis of signs, symptoms, and disability outcomes following angiographic embolization. Presented at the 66th Annual Scientific Meeting of the Southeastern Surgical Congress. Atlanta, Georgia, February 1998.
29. **Thourani VH.** Trends of medical school admissions and advances of research in cardiothoracic surgery. Keynote Address: 59th Annual Alpha Epsilon Delta National Pre-Medical Honor Society Initiation Banquet, Furman University. Greenville, South Carolina, September 1997.

ORAL PRESENTATIONS (In-house, invited):

1. **Thourani VH.** Update on degenerative mitral valve disease and minimally invasive mitral valve surgery. Presented at Cardiology Rounds, Emory University Hospital. Atlanta, GA, October 2007.

2. **Thourani VH.** The new STS/SCA blood conservation guidelines in cardiac surgery. Presented at the Joint Cardiothoracic Surgery and Cardiac Anesthesiology conference, Emory University Hospital. Atlanta, GA, May 2007.
3. **Thourani VH.** Update on percutaneous valvular surgery. Presented at the Joint Cardiology and Cardiac Surgery Conference, Crawford Long Hospital of Emory University. Atlanta, Georgia, January 2006.
4. **Thourani VH.** Current treatment of ventricular aneurysms. Presented at the Joint Cardiology and Cardiac Surgery Conference, Crawford Long Hospital of Emory University. Atlanta, Georgia, April 2005.
5. **Thourani VH.** Myocardial protection in combined valve and coronary operations. Presented at Cardiac Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, September 2004.
6. **Thourani VH.** Minimally invasive aortic surgery. Presented at Cardiac Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, May 2003.
7. **Thourani VH.** Off pump coronary surgery. Are we reinventing the old? Presented at General Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, June 2002.
8. **Thourani VH.** Esophageal atresia with or without tracheoesophageal fistulas. Presented at Pediatric Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, October 2000.
9. **Thourani VH.** Surgical treatment of thoracic empyema in children. Presented at Pediatric Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, November 1999.
10. **Thourani VH.** Congenital cystic pulmonary abnormalities in neonates. Presented at Pediatric Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, October 1999.
11. **Thourani VH.** A potentially horrific morbidity following cardiac surgery: Sternal Wound Infections. Presented at the Cardiothoracic Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, August 1999.
12. **Thourani VH.** New trends in heart valve surgery. Presented at the Cardiothoracic Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, May 1999.
13. **Thourani VH.** Gene therapy and cell transplantation in coronary artery disease: a state of the art technology. Presented at the Cardiothoracic Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, February 1999.
14. **Thourani VH.** Adenosine and cardiac surgery: A role? A benefit? Presented at Cardiothoracic Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, March 1998.
15. **Thourani VH.** Ischemic preconditioning attenuates postischemic coronary artery endothelial dysfunction in a model of minimally invasive direct coronary artery bypass (MIDCAB). Presented at Cardiothoracic Surgery Grand Rounds, Emory University School of Medicine. Atlanta, Georgia, October 1997.
16. **Thourani VH,** Corson MA, and Bradford BC. Investigation of mitogen-activated protein (MAP) kinases in injured rat carotid smooth muscle cells. Presented at the 38th Annual Medical Student Research day at Emory University School of Medicine. Atlanta, Georgia, October 1992.

POSTER PRESENTATIONS:

1. Halkos ME, Lattouf OM, Puskas JD, Kilgo P, Cooper WA, Morris CD, Guyton RA, and **Thourani VH.** Elevated preoperative hemoglobin A1c level is associated with reduced long-term survival following coronary artery bypass surgery. Presented at the 44th Annual Meeting of the Society of Thoracic Surgeons. Fort Lauderdale, Florida, January, 2008.
2. Kerendi F, **Thourani VH,** Puskas JD, Osborne SC, Panjwani A, Kilgo PD, Guyton RA, and Lattouf OM. Off-pump surgery is associated with a reduced incidence of heparin-induced thrombocytopenia in isolated coronary artery bypass grafting. Presented at the 44th Annual Meeting of the Society of Thoracic Surgeons. Fort Lauderdale, Florida, January, 2008.
3. Lattouf OM, Puskas JD, **Thourani VH,** Kilgo PD, Myung R, Cooper WA, and Guyton RA. Influence of on-pump vs. off-pump techniques and completeness of revascularization on long term survival after coronary artery bypass. Presented at the 44th Annual Meeting of the Society of Thoracic Surgeons. Fort Lauderdale, Florida, January, 2008.
4. **Thourani VH,** Lattouf OM, Sbeih M, Puskas JD, Cooper WA, and Guyton RA. Echocardiography-guided catheter drainage of hemodynamically critical, tamponade-causing pericardial effusion. Presented

- at the 55th International Congress of European Society for Cardiovascular Surgery. St. Petersburg, Russia, May 2006.
5. **Thourani VH**, Zhao L, Kerendi F, Chen EP, Deaton C, Lewis C, Anderson D, Hitchcock MA, Murrah N, and Weintraub WS. Long-term cost and cost-effectiveness of mitral valve repair versus replacement. Presented at the 77th Scientific Sessions of the American Heart Association. New Orleans, Louisiana, November 2004.
 6. Lattouf OM, **Thourani VH**, Corvera J, Leon AR, DeLurgio DB, Mera FV, Glas KL, and Guyton RA. Minimizing ionizing radiation: a new alternative method for minimally invasive surgical biventricular resynchronization. Presented at the American College of Cardiology. Chicago, Illinois, March 2003.
 7. **Thourani VH**, Wang NP, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Adenosine during peri-reperfusion or as an adjunct to blood cardioplegia reduces myocardial apoptosis following surgical revascularization. Presented at the 3rd International Symposium on Myocardial Protection From Surgical Ischemic-Reperfusion Injury. Asheville, North Carolina, June 2002.
 8. **Thourani VH**, Vasudevan SA, and Wulkan ML. Preliminary comparison of laparoscopic versus open Nissen fundoplication in patients with congenital heart disease. Presented at the Annual International Pediatric Endosurgery Group. Genoa, Italy, May 2002.
 9. **Thourani VH**, Kennedy T, Zhao Z-Q, Ronson RS, Velez D, Nakamura M, Katzmark SL, Guyton RA, and Vinten-Johansen J. A modified heparin attenuates reperfusion injury without anticoagulation. Presented at the 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1999.
 10. **Thourani VH**, Weintraub WS, Lutz J, Guyton RA, Murrah NVC, Kosinski A, and Jones EL. Effects of saphenous vein bypass graft competitive flow on internal mammary artery grafts: The string sign phenomenon. Presented at the 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1999.
 11. Ronson RS, Adams AB, **Thourani VH**, Jordan JE, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Neutrophil-mediated endothelial cell apoptosis is attenuated by endogenously released adenosine. Presented at the 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1999.
 12. Velez D, Zhao Z-Q, Wang N-P, Nakamura M, Takeya M, **Thourani VH**, Guyton RA, and Vinten-Johansen J. Inflammatory cells infiltration and apoptotic cell death after myocardial ischemia and reperfusion. Presented at the 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1999.
 13. Jordan JE, **Thourani VH**, Auchampach JA, Guyton RA, Vinten-Johansen J. Reduction of neutrophil-mediated reperfusion injury with the selective A₃ adenosine agonist CI-IB-MECA. Presented at the 72nd Scientific Sessions of the American Heart Association. Atlanta, Georgia, November 1999.
 14. **Thourani VH**, Durham MM, and Mansour KA. Repair of pectus excavatum and carinatum in adults: a 26-year perspective. Presented at the American College of Chest Physicians. Chicago, Illinois, November 1999.
 15. Ronson RS, Velez D, **Thourani VH**, Guyton RA, Vinten-Johansen J, and Puskas JD. Controlled intermittent asystole for off-pump coronary surgery does not cause myocardial or neural injury. Presented at the International Society for Minimally Invasive Cardiac Surgery. Paris, France, June 1999.
 16. **Thourani VH**, Weintraub WS, Jones EL, Craver JM, Gott JP, Brown WM, and Guyton RA. Short- and long-term follow-up in 771 patients undergoing reoperative heart valve surgery. Presented at the 44th Scientific Sessions of the American College of Cardiology. New Orleans, Louisiana, March 1999.
 17. Jordan JE, **Thourani VH**, Auchampach JA, and Vinten-Johansen J. Adenosine A₃ modulation of neutrophil function and neutrophil-endothelial cell interaction. Presented at the 71st Scientific Sessions of the American Heart Association. Dallas, Texas, November 1998.
 18. Jordan JE, **Thourani VH**, Auchampach JA, Vinten-Johansen J. Adenosine A₃ modulation of neutrophil function and neutrophil-endothelial cell interaction. Presented at the AHA Symposium: Vascular and Myocardial Aspects of Ischemic Heart Disease. Lake Tahoe, Colorado, February 1998.
 19. Ronson RS, Adams A, **Thourani VH**, Jordan JE, Shearer ST, Guyton RA, and Vinten-Johansen J. Apoptosis in vascular endothelial cells is stimulated by PMNs and inhibited by endogenously produced

- adenosine. Presented at the AHA Symposium: Vascular and Myocardial Aspects of Ischemic Heart Disease. Lake Tahoe, Colorado, February 1998.
20. **Thourani VH**, Nakamura M, Zhao Z-Q, Duarte IG, Jordan JE, Cooper WA, Guyton RA, and Vinten-Johansen J. Specific adenosine A₃ receptor stimulation attenuates global ischemic-reperfusion injury in a neutrophil-free model. Presented at the 70th Scientific Sessions of the American Heart Association. Orlando, Florida, November 1997.
 21. Nakamura M, **Thourani VH**, Duarte IG, Bufkin BL, Zhao Z-Q, Jordan JE, Shearer ST, Guyton RA, and Vinten-Johansen J. Ischemic preconditioning attenuates postischemic coronary artery endothelial dysfunction in a model of minimally invasive direct coronary artery bypass (MIDCAB). Presented at Myocardial Protection from Surgical Ischemic-Reperfusion Injury: An International Symposium. Asheville, North Carolina, September 1997.
 22. **Thourani VH**, Nakamura M, Zhao Z-Q, Duarte IG, Jordan JE, Cooper WA, Guyton RA, and Vinten-Johansen J. Specific adenosine A₃ receptor stimulation attenuates global ischemic-reperfusion injury in a neutrophil-free model. Presented at Myocardial Protection from Surgical Ischemic-Reperfusion Injury: An International Symposium. Asheville, North Carolina, September 1997.
 23. Schmidt FE, Bryan FC, **Thourani VH**, Gott JP, and Guyton RA. Validation of the conductance catheter technique for assessment of right ventricular volume. Presented at the Society of Critical Care. New Orleans, Louisiana, 1996.
 24. **Thourani VH**, Corson MA, and Berk BC. Investigation of serotonin receptors in injured rat aorta and carotid and cultured rat aortic smooth muscle cells. Presented at the 37th Annual Medical Student Research Day at Emory University School of Medicine. Atlanta, Georgia, 1991.

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Abstracts (Published):

1. **Thourani VH**, Zhao L, Chen EP, Deaton C, Lewis C, Anderson D, Hitchcock MA, Murrah N, and Weintraub WS. Long-term cost and cost-effectiveness of mitral valve repair versus replacement. *Circulation*. 110(17):III-590, 2004.
2. Lattouf OM, **Thourani VH**, Leon AR, DeLurgio DB, Mera FV, Glas KL, and Guyton RA. Minimizing ionizing radiation: a new alternative method for minimally invasive surgical biventricular resynchronization. *Journal of the American College of Cardiology*. 41(6, Supplement A):114A, 2003.
3. **Thourani VH**, Wang N-P, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Myocardial apoptosis after surgical revascularization is attenuated by adjunct adenosine in blood cardioplegia. *The Annals of Thoracic Surgery*. 75:S752, 2003.
4. Cooper WA, Corvera JS, **Thourani VH**, Puskas JD, Craver JM, Lattouf OM, and Guyton RA. Perfusion-assisted direct coronary artery bypass enhances intraoperative hemodynamic stability and facilitates complete revascularization. *The Annals of Thoracic Surgery*. 75:S750, 2003.
5. **Thourani VH**, Kennedy T, Zhao Z-Q, Ronson RS, Velez D, Nakamura M, Katzmark SL, Guyton RA, and Vinten-Johansen J. A modified heparin attenuates reperfusion injury without anticoagulation. *Circulation*. 100(18):I-836, 1999.
6. **Thourani VH**, Weintraub WS, Lutz J, Guyton RA, Murrah NVC, Kosinski A, and Jones EL. Effects of saphenous vein bypass graft competitive flow on internal mammary artery grafts: The string sign phenomenon. *Circulation*. 100(18):I-591, 1999.
7. Ronson RS, Adams AB, **Thourani VH**, Jordan JE, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Neutrophil-mediated endothelial cell apoptosis is attenuated by endogenously released adenosine. *Circulation*. 100(18):I-283, 1999.
8. Velez D, Zhao Z-Q, Wang N-P, Nakamura M, Takeya M, **Thourani VH**, Guyton RA, and Vinten-Johansen J. Inflammatory cells infiltration and apoptotic cell death after myocardial ischemia and reperfusion. *Circulation*. 100(18):I-691, 1999.
9. Jordan JE, **Thourani VH**, Auchampach JA, Guyton RA, Vinten-Johansen J. Reduction of neutrophil-mediated reperfusion injury with the selective A₃ adenosine agonist Cl-IB-MECA. *Circulation*. 100(18):I-838, 1999.

10. **Thourani VH**, Weintraub WS, Guyton RA, Jones EL, Gott JP, Brown WM, Puskas JD, and Craver JM. Case-matched comparison of 712 mitral valve repairs versus 712 mitral valve replacements: long-term follow-up and cost-effectiveness. *Circulation*. 100(18):I-94, 1999.
11. Nakamura M, **Thourani VH**, Ronson RS, Velez D, Ma X-L, Brown LAS, Guyton RA, and Vinten-Johansen. Adjunct glutathione reverses endothelial damage from peroxynitrite, the by-product of nitric oxide degradation, in crystalloid cardioplegia. *Circulation*. 100(18):I-227, 1999.
12. **Thourani VH**, Weintraub WS, Jones EL, Craver JM, Gott JP, Brown WM, and Guyton RA. Short- and long-term follow-up in 771 patients undergoing reoperative heart valve surgery. *Journal of the American College of Cardiology*. 33(2, Supplement A):1078-177, 1999.
13. **Thourani VH**, Ronson RS, VanWynen D, Shearer ST, Katzmark SL, Zhao Z-Q, Guyton RA, and Vinten-Johansen J. Myocardial protection with adenosine given at reperfusion is superior to adenosine-enhanced cardioplegia. *Circulation*. 98(17):I-162, 1998.
14. Ronson RS, **Thourani VH**, Ma X-L, Katzmark SL, Shearer ST, Zhao ZQ, Nakamura M, Guyton RA, Vinten-Johansen J. Peroxynitrite is beneficial in blood cardioplegia, but injurious in crystalloid cardioplegia *in vivo*. *Circulation*. 98(17):I-750, 1998.
15. Jordan JE, **Thourani VH**, Auchampach JA, and Vinten-Johansen J. Adenosine A₃ modulation of neutrophil function and neutrophil-endothelial cell interaction. *Circulation*. 98(17):I-666, 1998.
16. **Thourani VH**, Nakamura M, Zhao Z-Q, Duarte IG, Jordan JE, Cooper WA, Guyton RA, and Vinten-Johansen J. Specific adenosine A₃ receptor stimulation attenuates global ischemic-reperfusion injury in a neutrophil-free model. *Circulation*. 96(8):I-743, 1997.
17. **Thourani VH**, Nakamura M, Duarte IG, Bufkin BL, Zhao Z-Q, Jordan JE, Shearer ST, Guyton RA, and Vinten-Johansen J. Ischemic preconditioning attenuates postischemic coronary artery endothelial dysfunction in a model of MIDCAB. *Circulation*. 96(8):I-680, 1997.
18. Goins BA, Kestler KJ, **Thourani VH**, Rudolph AS, Ligler FS. Ganglioside containing liposome-encapsulated hemoglobin - further development of a blood substitute. *Biophysical Journal*. 57(2):A261, 1990.

Manuscripts/Reviews/Letters (Published):

1. Puskas JD, Kilgo PD, Lattouf OM, **Thourani VH**, Cooper WA, Vassiliades TA, Chen EP, Tinkham PB, and Guyton RA. Off-pump coronary artery bypass grafting is associated with significantly reduced operative mortality and in-hospital adverse events and is equivalent to on-pump CABG in 10-year survival. **In press:** *The Annals of Thoracic Surgery*.
2. Halkos ME, Lattouf OM, Puskas JD, Kilgo P, Cooper WA, Morris CD, Guyton RA, and **Thourani VH**. Elevated preoperative hemoglobin A1c level is associated with reduced long-term survival following coronary artery bypass surgery. **In press:** *The Annals of Thoracic Surgery*.
3. **Thourani VH**, Myung R, Lattouf OM, Kilgo P, Puskas JD, Thompson K, Chen EP, and Guyton RA. Long-term outcomes after isolated aortic valve replacement in octogenarians: a modern perspective. **In press:** *The Annals of Thoracic Surgery*.
4. Halkos ME, Lattouf OM, Puskas JD, Kilgo P, Guyton RA, and **Thourani VH**. HbA1c is more predictive than diabetes mellitus for morbidity and mortality in patients undergoing primary coronary artery bypass grafting. **In press:** *The Journal of Thoracic and Cardiovascular Surgery*.
5. Halkos ME, Puskas JD, Lattouf OM, Kilgo P, Guyton RA, and **Thourani VH**. Impact of preoperative neurologic events on postoperative neurologic events and mortality: comparison of off- versus on-pump coronary artery bypass surgery. **In press:** *The Annals of Thoracic Surgery*.
6. Lattouf OM, Puskas JD, **Thourani VH**, Noora J, Kilgo PD, and Guyton RA. Does the number of grafts influence surgeon choice and patient benefit of off-pump over conventional on-pump coronary artery revascularization in multivessel coronary artery disease? *The Annals of Thoracic Surgery*. 84:1485-95, 2007.
7. Kerendi F, **Thourani VH**, Puskas JD, Kilgo PD, Osgood M, Guyton RA and Lattouf OM. Impact of heparin-induced thrombocytopenia on postoperative outcomes after cardiac surgery. *The Annals of Thoracic Surgery*. 84:1548-55, 2007.

8. Russell MC, **Thourani VH**, and Miller JI, Jr. Modified nissen fundoplication combined with ivor lewis esophagogastrectomy. *The Annals of Thoracic Surgery*. 84:1780-2, 2007.
9. Tanaka KA, **Thourani VH**, Williams WH, Duke PG, Levy JH, Guyton RA, and Puskas JD. Heparin anticoagulation in patients undergoing off-pump and on-pump coronary artery bypass surgery. *J Anesth*. 21(3):297-303, 2007.
10. Corvera JS, Puskas JD, **Thourani VH**, Guyton RA, and Lattouf OM. Minimally invasive surgical cardiac resynchronization therapy: an intermediate-term follow-up study. *Innovations*. 2:40-7, 2007.
11. **Thourani VH**, Kirshbom PM, Kanter KR, Simsic J, Kogon BE, Wagoner S, Dykes F, Fortenberry J, and Forbess JM. Venoarterial extracorporeal membrane oxygenation (VA-ECMO) in Pediatric Cardiac Support. *The Annals of Thoracic Surgery*. 82(1):138-145, 2006.
12. Cooper WA, O'Brien SM, **Thourani VH**, Guyton RA, Bridges CR, Szczech LA, Petersen R, and Peterson ED. The impact of renal dysfunction on outcomes of coronary artery bypass surgery: results from the Society of Thoracic Surgeons National Adult Cardiac Database. *Circulation*. 113(8):1063-70, 2006.
13. **Thourani VH** and Miller JI, Jr. Physician assistants in cardiothoracic surgery: a 30-year experience in a university center. *The Annals of Thoracic Surgery*. 81(1):195-9, 2006.
14. **Thourani VH**, Sharma J, Duarte IG, and Miller, JI, Jr. Intrathoracic splenosis. *The Annals of Thoracic Surgery*. 80(5):1934-6, 2005.
15. DeLaRosa J, **Thourani VH**, Wheatley GH 3rd, McMullan DM, Karamanoukian RL, Greene MG, and Morales DL. The impact of resident duty hour standards on cardiothoracic residents and program directors. *The Annals of Thoracic Surgery*. 80:1569-71, 2005.
16. Halkos M, Craver JM, **Thourani VH**, Kerendi F, Puskas JD, Cooper WA, and Guyton RA. Radiofrequency ablation for treatment of atrial fibrillation during concomitant cardiac operations. *The Annals of Thoracic Surgery*. 80:210-5, 2005.
17. Serna DL, **Thourani VH**, Puskas JD. Use of anti-fibrinolytics in cardiac surgery. *Seminars in Thoracic and Cardiovascular Surgery*. 17:52-8, 2005.
18. Losken A, **Thourani VH**, Carlson GW, Jones GE, Culbertson JH, Miller JI, and Mansour KA. A reconstructive algorithm for plastic surgery following extensive chest-wall resection. *British Journal of Plastic Surgery*. 57:295-302, 2004.
19. JR Burke, Duarte IG, **Thourani VH**, Miller JI, Jr. Preoperative risk assessment for marginal patients requiring pulmonary resection. *The Annals of Thoracic Surgery*. 76:1767-73, 2003.
20. **Thourani VH**, Lancaster RT, Mansour KA, and Miller JI, Jr. The modified Eloesser flap revisited. *The Annals of Thoracic Surgery*. 76:401-5, 2003.
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22. Mansour KA, **Thourani VH**, Odessey E, Durham MM, Miller DL, and Miller JI, Jr. Repair of pectus excavatum and carinatum in adults: a 26-year perspective. *The Annals of Thoracic Surgery*. 76(2):391-5, 2003.
23. Ronson RS, Puskas JD, **Thourani VH**, Velez DA, Bufkin BL, Glass J, Guyton RA, and Vinten-Johansen J. Controlled intermittent asystole cardiac therapy induced by pharmacologically potentiated vagus nerve stimulation in normal and hibernating myocardium. *The Annals of Thoracic Surgery*. 75:1929-36, 2003.
24. **Thourani VH**, Ingram WL, and Feliciano DV. Factors affecting success of split-thickness skin grafts in the modern burn unit. *The Journal of Trauma Injury, Infection, and Critical Care*. 54:562-568, 2003.
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2. **Thourani VH** and Puskas JD. Atrial fibrillation: a brief review of classification systems. Posted on CTSNet at <http://www.ctsnet.org/doc/9428> on September 1, 2004.
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