CURRICULUM VITAE

Date Prepared:	8.08.11
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Place of Birth:	Evanston, IL

Education

1990	A.B. *with Honors*	Biology	Dartmouth College
1996	M.D.	Medicine	Dartmouth Medical School

Postdoctoral Training

1996-1997	Intern	General Surgery	Brigham and Women's Hospital
1997-1998, 2000-2002	Resident	General Surgery	Brigham and Women's Hospital
1998-2000	Research Fellow	Vascular Surgery	Harvard-Longwood Training Program in Vascular Surgery
2002-2003	Chief Resident	General Surgery	Brigham and Women's Hospital
2003-2005	Resident	Cardiothoracic Surgery	Brigham and Women's Hospital
1996-2005	Clinical Fellow	Surgery	Harvard Medical School
2009-2010	Rabkin Fellow	Medical Education	Harvard Medical School and The Shapiro Institute for Education and Research, Beth Israel Deaconess Medical Center

Faculty Academic Appointments

2005-2010	Instructor	Surgery	Harvard Medical School
2010-	Assistant Professor	Surgery	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

2005-	Staff Surgeon	Surgery	Beth Israel Deaconess Medical Center

Other Professional Positions

1990-1991	Research Assistant	Dartmouth College
1991-1992	Research Assistant	Columbia University

Major Administrative Leadership Positions

Local

2005-2008	Departmental Liaison, Ethics Support Service	Beth Israel Deaconess Medical Center
2006-	Director of Graduate Medical Education for Thoracic Surgery	Beth Israel Deaconess Medical Center
2008-	Resource Faculty in Teaching, Department of Surgery	Beth Israel Deaconess Medical Center
2008-	Associate Program Director, Cardiothoracic Surgery Residency	Beth Israel Deaconess Medical Center
2009-	Acting Chief, Division of Thoracic Surgery and Interventional Pulmonology	Beth Israel Deaconess Medical Center
2009-	Assistant Program Director, General Surgery Residency	Beth Israel Deaconess Medical Center

Regional

2009	Co-director, Fundamentals of Laparoscopic Surgery Postgraduate Course	American College of Surgeons and Society of American Gastrointestinal and Endoscopic Surgeons

Committee Service

Local

2006-	Department of Surgery Grand Rounds Committee Member	Beth Israel Deaconess Medical Center
2007	Faculty Search Committee Member, Division of Vascular Surgery	Beth Israel Deaconess Medical Center
2008	HST 100, Respiratory Physiology, Course Review Committee	Harvard Medical School
2008-2009	Surgical Care Committee Member	Beth Israel Deaconess Medical Center
2008-2009	Faculty Search Committee Member, Section of Cardiac Surgery	Beth Israel Deaconess Medical Center
2009-	House Staff Education Committee Member	Beth Israel Deaconess Medical Center
2010	Curriculum Subcommittee Member, Education Strategic Plan Steering Committee	Beth Israel Deaconess Medical Center
2010	Chair, Interventional Pulmonology Faculty Search Committee	Beth Israel Deaconess Medical Center

Professional Societies

1996	Association for Academic Surgery
2000	Massachusetts Medical Society

2007-	Society of Thoracic Surgeons
2007-	American College of Surgeons
2010-	Association for Surgical Education
2011-	General Thoracic Surgical Club

Editorial Activities

Reviewer, Journal of Thoracic and Cardiovascular Surgery
Reviewer, Diseases of the Esophagus
Reviewer, Respirology
Reviewer, North American Journal of Medicine and Science
Reviewer, Journal of Surgical Oncology

Honors and Prizes

1990	Academy of American Poets Prize	Academy of American Poets	
1991	Deterling Award	New England Society for Vascular Surgery	Research presentation
1994	William Carlos Williams Poetry Prize	Northeastern Universities of Ohio College of Medicine	National poetry competition
1995	Alpha Omega Alpha	Dartmouth Medical School	
1995	Student Research Award	Association of Academic Surgery	
1996	Arthur Naitove MD Surgical Scholar Award	Dartmouth Medical School	
2001	Resident Teaching Award	Harvard Medical School	Teaching of medical students
2002	Outstanding House Officer Teaching Award	Harvard Medical School	Teaching of medical students
2003	Resident Teaching Award	Tufts Medical School	Teaching of medical students
2003	Francis D. Moore M.D. Award	Department of Surgery, Brigham and Women's Hospital	Teaching of surgery residents
2005	John J. Collins Jr. M.D. Cardiothoracic Surgeon Scholar Award	Divisions of Cardiac and Thoracic Surgery, Brigham and Women's Hospital	In-training exam score
2008	John L. Rowbotham M.D. Resident Teaching Award	Department of Surgery, Beth Israel Deaconess Medical Center	Teaching of surgery residents

Report of Funded and Unfunded Projects

Funding Information

1998-2000	Regulation of inflammatory cell adhesion to injured arteries William J. von Liebig Foundation Resident Research Grant

Co-investigator
Research Fellowship; Michael S. Conte, MD, PI and mentor
The goal of this grant was to investigate the role of endothelial cells and integrin molecules in the regulation of adhesion of monocytes to injured vessels. I performed the experiments and data analysis for this research.

2007- CT diagnosis of tracheomalacia in patients with COPD
National Heart, Lung, and Blood Institute
Co-investigator
Philip Boiselle, MD, PI
The goal of this study is to determine the extent of tracheomalacia in the COPD population using a CT scanning. The study also investigates new thresholds of collapsibility to diagnosis the disease by investigating healthy volunteers.

2010- Tracheomalacia and tracheal stenosis
Beth Israel Deaconess Medical Center Department of Surgery Research Grant
Principle Investigator
The tracheomalacia studies involve creation of animal cervical and thoracic models of airway malacia and subsequent investigation of methods to stabilize these abnormal airways. The tracheal stenosis project involves developing innovative techniques of tracheal replacement to allow long-segment tracheal resection.

Current Unfunded Projects

2006-2009 Co-investigator, Preoperative amiodarone for prevention of atrial fibrillation after lung resection
I was involved in the recruitment of patients for this prospective randomized trial which examines the efficacy of amiodarone for prophylaxis against postoperative atrial fibrillation.

2007- Principal investigator, Minimally-invasive thoracic surgery (VATS lobectomy)—the influence of surgical trainees
I am supervising research performed in part by student and resident mentees on how the level of surgical trainee assistance affects the outcomes of a new surgical technique.

2008- Co-investigator, Tracheobronchomalacia outcomes research
I am supervising research performed by surgical resident mentees investigating the outcomes of tracheobronchoplasty for treatment of this disease.

2009- Principal investigator, Mediastinal cysts research
I am supervising a surgical resident mentee who is looking at surgical outcomes in this group of pathologies.

2009- Principal investigator, Safety and efficacy of Cyberknife for lung malignancy in a single institution
I am supervising research performed by surgical resident mentees investigating the short-term outcomes of stereotactic radiosurgery for lung cancer.

2010- Principal investigator, A prospective, single institution, internally controlled comparison study of endobronchial ultrasound (EBUS) guided transbronchial needle aspiration (TBNA) with cervical mediastinoscopy for use in the staging of non-small cell lung cancer (NSCLC)
I am recruiting patients and supervising this prospective study which serves as the Masters thesis for my surgical fellow mentee.

2010- Principal investigator, Outcomes following minimally-invasive thoracic surgery compared with open lobectomy

I am supervising research performed by a surgical fellow and surgical residents investigating the perioperative and oncologic outcomes following minimally-invasive and traditional resections.

Report of Local Teaching and Training

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2005	Mediastinal masses Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 1-hr lecture
2006	Evaluation and treatment of mediastinal masses 1st-3rd year General Surgery residents	Beth Israel Deaconess Medical Center 1-hr lecture
2006	Esophageal cancer 4th and 5th year General Surgery residents	Beth Israel Deaconess Medical Center 1-hr lecture
2006, 2007	Esophageal perforation 1st-3rd year General Surgery residents	Beth Israel Deaconess Medical Center 1-hr lecture
2006, 2007	Esophageal cancer 1st-3rd year General Surgery residents	Beth Israel Deaconess Medical Center 1-hr lecture
2007	Lung cancer 1st-3rd year General Surgery residents	Beth Israel Deaconess Medical Center 1-hr lecture
2007	Interesting case presentation Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 1-hr lecture
2007	Tracheoesophageal fistula Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 1-hr lecture
2006-2008	Preoperative pulmonary assessment Cardiothoracic residents and fellows	Beth Israel Deaconess Medical Center 1-hr lecture, yearly
2006-	Bronchoscopy simulation training General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 1-hr session, monthly
2010	Radiologic evaluation of chest disease General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2010	Mesothelioma Cardiothoracic residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2010	Chest wall reconstruction after tumor resection or injury General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2010	Tracheobronchoplasty and sleeve resection for malignant and benign disease General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2010	Lung cancer work-up and staging General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture

2011	Bronchopleural fistula and empyema General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2011	Risk stratification for pulmonary surgery General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2011	Esophageal motility disorders General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture
2011	Lung cancer overview and staging General Surgery residents and Cardiothoracic Surgery residents and fellows	Beth Israel Deaconess Medical Center 0.5-hr lecture

Clinical Supervisory and Training Responsibilities

2005-	Lecturer on lung cancer or esophageal cancer for the core clerkship in Surgery for 3rd year Harvard medical students	1-hr lecture, every three months

Formal Teaching of Peers (e.g., CME and other continuing education courses)

2006	Mediastinal staging- why is it important? Endobronchial Ultrasound Second Annual Interdisciplinary Training Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Boston, MA
2007	Mediastinal staging- why is it important? Endobronchial Ultrasound Third Annual Interdisciplinary Training Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Boston, MA
2008	Surgical management of airway disorders Interventional Bronchoscopy Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Boston, MA
2008	The scientific basis of lung cancer staging Science of Thoracic Surgery 20th Anniversary Course (Brigham and Women's Hospital and Harvard Medical School)	Single presentation Boston, MA
2009	VATS lobectomy Overholt Symposium: Learning From 75 Years of Advancement in the Treatment of Lung Cancer, Emphysema and the Struggle Against Smoking (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Boston, MA
2009	VATS lobectomy; Indwelling pleural catheter insertion Interventional Pulmonary Course (Beth Israel Deaconess Medical Center)	Two presentations Boston, MA
2009	Mediastinal staging Endobronchial Ultrasound Sixth Annual Interdisciplinary Training Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Chatham, MA
2009	Training VATS lobectomy	Single presentation

	VATS lobectomy mini-fellowship (Covidien)	Norwalk, CT
2009	Medical Thoracoscopy and VATS - A Surgeon's View The Management of Pleural Diseases Including Medical Thoracoscopy and Other Procedures: Seventh Annual Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Boston, MA
2010	Endomechanical Hands-on Assessment (Department of Surgery, Beth Israel Deaconess Medical Center and Covidien)	Boston, MA
2010	Mediastinal staging Endobronchial Ultrasound Seventh Annual Interdisciplinary Training Course (Beth Israel Deaconess Medical Center and Harvard Medical School)	Single presentation Chatham, MA
2010	Approach to lung malignancies Pulmonary and Critical Care Fellowship Introductory Conference (Division of Pulmonary & Critical Care and Sleep Medicine Tufts Medical Center	Single presentation Boston, MA
2010-	Operating Room team training program (Facilitator/faculty) CRICO	Weekly/monthly Boston, MA

Local Invited Presentations

2005	The solitary pulmonary nodule/ Grand Rounds Beth Israel Deaconess Hospital – Needham
2006	VATS lobectomy/ Grand Rounds Department of Surgery, Mt. Auburn Hospital
2006	VATS lobectomy/ Grand Rounds Department of Surgery, Cambridge Hospital
2006	VATS lobectomy/ Grand Rounds Beth Israel Deaconess Hospital – Needham
2006	VATS lobectomy/ Grand Rounds Department of Surgery, Beth Israel Deaconess Medical Center
2007	Pulmonary resections/ Gross-Microscopic Pathology Conference Department of Pathology, Beth Israel Deaconess Medical Center
2008	Surgery for tracheobronchomalacia/ Multidisciplinary Airway Conference Sections of Interventional Pulmonology and Thoracic Surgery, Beth Israel Deaconess Medical Center
2009	Surgical education: osmosis, helicoptering, and beyond/ Grand Rounds Department of Surgery, Beth Israel Deaconess Medical Center
2009	Advances in minimally-invasive thoracic surgery/ Grand Rounds Department of Surgery, Mt. Auburn Hospital
2010	Tracheal tumors/ Multidisciplinary Airway Conference Sections of Interventional Pulmonology and Thoracic Surgery, Beth Israel Deaconess Medical Center
2010	Staging of lung cancer/ Multidisciplinary Thoracic Oncology Conference Division of Hematology/Oncology, Department of Radiation Oncology, and Sections of Interventional Pulmonology and Thoracic Surgery, Beth Israel Deaconess Medical Center
2011	Surgical airway reconstruction/ Anesthesia Curriculum Conference

Department of Anesthesiology, Beth Israel Deaconess Medical Center
2011 Staging of lung cancer/ Multidisciplinary Thoracic Oncology Conference
Division of Hematology/Oncology, Department of Radiation Oncology, and Division of Thoracic Surgery and Interventional Pulmonology, Beth Israel Deaconess Medical Center

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

No presentations below were sponsored by outside entities

Regional

1994 Effect of glucagon on intestinal viability after segmental mesenteric ischemia/ Research forum talk (abstract selected for podium presentation)
New England Society for Vascular Surgery annual meeting, Newport, RI

2001 Initial experience with minimally invasive in situ bypass with blind valvulotomy/ Plenary talk (abstract selected for podium presentation)
New England Society for Vascular Surgery annual meeting, Newport, RI

2009 Management of metastatic disease to the thorax/ Grand Rounds
St. Luke's Hospital, New Bedford, MA

2010 Surgery for complex airway disease/ Grand Rounds
St. Luke's Hospital, New Bedford, MA

National

1999 Monocyte adhesion to injured vessels: specific inhibition of fibrinogen/Mac-1 binding by an I-domain peptide/ Scientific session talk (abstract selected for presentation)
Research Initiatives in Vascular Disease, Lifeline Foundation, Bethesda, MD

2000 Targeting platelet aggregation: CD39 gene transfer augments ADPase activity in injured rabbit arteries/ Scientific session talk (abstract selected for presentation)
Society of University Surgeons annual meeting, Chicago, IL

2008 VATS lobectomy: learning it and teaching it/ General Thoracic Surgery Symposium talk
Society of Thoracic Surgeons annual meeting, Ft Lauderdale, FL

2008 Technical aspects of tracheobronchoplasty for tracheobronchomalacia/ Invited operative training session
University of Minnesota Medical Center, Minneapolis, MN

2009 Complex airway obstruction: stents versus surgery/ General Thoracic Surgery Symposium talk
Society of Thoracic Surgeons annual meeting, San Francisco, CA

2010 Technical aspects and outcomes of tracheobronchoplasty for severe tracheobronchomalacia/ General Thoracic Parallel Surgical Forum talk (abstract selected for presentation)
Society of Thoracic Surgeons annual meeting, Ft Lauderdale, FL

2010 Successful introduction of VATS lobectomy to general surgery residents: analysis of 235 consecutive cases/ Integrated Oral Session talk (abstract selected for presentation)
Academic Surgical Congress annual meeting, San Antonio, TX

2010 Technical aspects of tracheobronchoplasty for tracheobronchomalacia/ Invited operative

training session
University of Minnesota Medical Center, Minneapolis, MN

2010 Tracheobronchomalacia/ General session talk
General Thoracic Surgical Club annual meeting/ Carlsbad, CA

2010 Pre- and post-stent modeling of airflow dynamics in patients with malignant tracheal obstruction/ Surgical Forum discussant
American College of Surgeons annual meeting/ Washington, DC

2010 Technical aspects of tracheobronchoplasty for tracheobronchomalacia/ Invited operative training session
Northwestern Memorial Hospital, Chicago, IL

2011 Technical aspects of tracheobronchoplasty for tracheobronchomalacia/ Invited operative training session
University of Minnesota Medical Center, Minneapolis, MN

2011 Technical aspects of tracheobronchoplasty for tracheobronchomalacia/ Invited operative training session
Northwestern Memorial Hospital, Chicago, IL

International

2010 Mediastinal staging for lung cancer/ Invited talk, Surgical session
Chilean Respiratory Society (SER Chile) annual meeting/ Puyehue, Chile

2010 Follow-up after lung cancer surgery/ Invited talk, Lung Cancer Symposium
Chilean Respiratory Society (SER Chile) annual meeting/ Puyehue, Chile

2010 Tracheobronchomalacia/ Invited talk, Surgical session
Chilean Respiratory Society (SER Chile) annual meeting/ Puyehue, Chile

Report of Clinical Activities and Innovations

Current Licensure and Certification

1997 Diplomate of the American Medical Association
1998 Massachusetts Medical License
2000 Advanced Trauma Life Support
2000 Advanced Cardiac Life Support
2003 American Board of Surgery, qualifying exam
2005 American Board of Thoracic Surgery, qualifying exam
2006 American Board of Thoracic Surgery, certifying exam
2008 Fundamentals of Laparoscopic Surgery

Practice Activities

2005	Thoracic Surgery	Beth Israel Deaconess Medical Center	4 days/wk in the operating room

Report of Education of Patients and Service to the Community

Activities

2008, 2009 The Coalition for Pulmonary Fibrosis and Beth Israel Deaconess Medical Center/ Lecturer
I participated in symposium for patients with idiopathic pulmonary fibrosis and their families, speaking on 'Surgical lung biopsy and transtracheal catheters'

Report of Scholarship

Publications

Peer reviewed publications in print or other media

Research investigations

1. **Gangadharan SP**, Wagner RJ, Cronenwett JL. Effect of glucagon on intestinal viability after segmental mesenteric ischemia. J Vasc Surg 1995; 21:900-908.

2. Eslami MH, **Gangadharan SP**, Sui X, Rhynhart KK, Snyder RO, Conte MS. Gene delivery to in situ veins: differential effects of adenovirus and adeno-associated viral vectors. J Vasc Surg 2000; 31:1149-1159.

3. Eslami MH, **Gangadharan SP**, Belkin M, Donaldson MC, Whittemore AD, Conte MS. Monocyte adhesion to human vein grafts: A marker for occult intraoperative injury? J Vasc Surg. 2001;34:923-929.

4. **Gangadharan SP**, Eslami MH, Weiss IP, Sui X, Conte MS. Monocyte adhesion to balloon-injured arteries: The influence of endothelial cell seeding. J Vasc Surg 2001; 33:1247-1254.

5. **Gangadharan SP**, Imai M, Rhynhart KK, Sevigny J, Robson SC, Conte MS. Targeting platelet aggregation: CD39 gene transfer augments ADPase activity in injured rabbit arteries. Surgery 2001;130:296-303.

6. **Gangadharan SP**, Reed AB, Chew DKW, Conte MS, Belkin M, Whittemore AD, Donaldson MC. Initial experience with minimally invasive in situ bypass with blind valvulotomy. J Vasc Surg 2002; 35:1100-1106.

7. Ernst A, Majid A, Feller-Kopman D, Guerrero J, Boiselle P, Loring S, O'Donnell C, DeCamp M, Herth F, **Gangadharan S**, Ashiku S. Airway stabilization with silicone stents for treating adult tracheobronchomalacia. Chest 2007;132:609-616.

8. Anantham D, Feller-Kopman D, Shanmugham LN, Berman SM, Decamp MM, **Gangadharan SP**, Eberhardt R, Herth F, Ernst A. Electromagnetic navigation bronchoscopy-guided fiducial placement for robotic stereotactic radiosurgery of lung tumors: a feasibility study. Chest 2007;132:930-935.

9. Majid A, Guerrero J, **Gangadharan S**, Feller-Kopman D, Boiselle P, DeCamp M, Ashiku S, Michaud G, Herth F, Ernst A. Tracheobronchoplasty for severe tracheobronchomalacia. Chest 2008;

134:801-807.

10. Ye C, Masterman JR, Huberman MS, **Gangadharan SP**, McDonald DC, Kent MS, DeCamp MM. Subdivision of the T1 size descriptor for stage I non-small cell lung cancer has prognostic value: a single institution experience. Chest 2009;136;710-715.

11. Okereke IC, **Gangadharan SP**, Kent MS, Nicotera S, DeCamp MM, Shen C. Standard uptake value predicts survival in non-small-cell lung cancer. Ann Thorac Surg 2009; 88(3):911-915.

12. Tsukada H, Ernst A, **Gangadharan S**, Ashiku S, Garland R, Litmanovich D, DeCamp M. Tracheal replacement with silicon-stented, fresh aortic allografts in sheep. Ann Thorac Surg 2010; 89:253– 258.

13. Matyal R, Mahmood F, Hess P, Zhao X, Mitchell J, Maslow A, **Gangadharan S**, Decamp M. Right ventricular echocardiographic predictors of postoperative supraventricular arrhythmias after thoracic surgery: a pilot study. Ann Thorac Surg. 2010;90(4):1080-6.

14. Tsukada H, **Gangadharan S**, Garland R, Herth F, DeCamp M, Ernst A. Tracheal replacement with a bioabsorbable scaffold in sheep. Ann Thorac Surg. 2010;90(6):1793-7.

15. **Gangadharan SP**. Tracheobronchomalacia in adults. Semin Thorac Cardiovasc Surg, 2010;22(2):165-73.

16. Okereke IC, **Gangadharan SP**, Kent MS, Nicotera SP, Decamp MM. [(18)F]Fluorodeoxyglucose positron emission tomography-computerized tomography and lung cancer: a significant referral bias exists. Eur J Cardiothorac Surg. 2011 Apr;39(4):560-4. Epub 2010 Sep 15.

17. Dialani V, Litmanovich D, Bankier A, DeCamp M, **Gangadharan SP**, Boiselle PM. Subcarinal Collection Following Mediastinoscopy: A Normal Post-procedural CT Finding. Clin Radiol. 2011 May;66(5):399-404.

18. **Gangadharan SP**, Bakhos CT, Majid A, Kent MS, Michaud G, Ernst A, Ashiku SK, DeCamp MM. Technical aspects and outcomes of tracheobronchoplasty for severe tracheobronchomalacia. Ann Thorac Surg. 2011 May;91(5):1574-81. Epub 2011 Mar 5.

19. Odell DD, Shah AM, **Gangadharan SP**, Majid A, Michaud G, Herth FJ, Ernst A. Airway stenting and tracheobronchoplasty improve respiratory symptoms in Mounier-Kuhn Syndrome. Chest. 2011 Apr 14. [Epub ahead of print]

20. Nguyen KH, Sanford RA, Huberman MS, Goldstein MA, McDonald DM, Farquhar M, **Gangadharan SP**, Kent MS, Michaud G, Majid A, Berman SM, Aronovitz JA, Nedea EA, Boiselle PM, Cohen DW, Kobayashi S, Costa D. Patterns of care for non-small-cell lung cancer at an academic institution affiliated with a National Cancer Institute-designated cancer center. JOP, accepted for publication.

21. Ernst A, Odell DD, Michaud G, Majid A, Herth FFJ, **Gangadharan SP**. Central airway stabilization for fracheobronchomalacia improves quality of life in patients with chronic obstructive pulmonary disease. Chest, accepted for publication.

Other peer-reviewed publications

1. Srygley JA, **Gangadharan SP**, DeCamp MM, Boiselle PM, Roberts DH. What caused recurrent pneumonia in this patient? J Respir Dis 2007;28(7):273-277.

2. Kim MP, Ernst A, DeCamp MM, **Gangadharan SP**. EBUS-facilitated, video-assisted (VATS) lobectomy with wedge bronchoplasty for typical carcinoid tumor of the right middle lobe. Chest 2008; 133:1474-1476.

3. Bakhos CT, **Gangadharan SP**, Snyder GM, Wong MT, Hagberg RC. Management of aortic brucellosis with infection of a descending thoracic aortic stent graft. Ann Thorac Surg 2010;89(6):2038-40.

4. Odell DO, **Gangadharan SP**, Majid A. Pulmonary artery sling: a rare cause of tracheomalacia in the adult. J Bronchol Intervent Pulmonol, accepted for publication.

Non-peer reviewed scientific or medical publications/materials in print or other media

Reviews, chapters, monographs and editorials

1. **Gangadharan SP**, Lautz DB. Intestinal ischemia. In: Johnson LR, editor. Encyclopedia of gastroenterology. Amsterdam: Academic Press; 2004, p.450-453.

2. **Gangadharan SP**, Linden PA, Sugarbaker DJ. Lung cancer surgery. In Advances in radiation oncology in lung cancer, Jeremic B, editor. New York: Springer-Verlag; 2005, p. 47-58.

3. Berman SM, Huberman M, Ernst A, Feller-Kopman D, Goldberg N, Boiselle P, Parker JA, Coute D, Rumplik N, Nedea E, Ashiku S, **Gangadharan SP**, Goldstein M, Schumer S, Jain S, Spirn P, Brennan D, Buff M, Thurer R, DeCamp M. In: Urschel HC, editor. Robotic radiosurgery: Treating tumors that move with respiration. Berlin: Springer-Verlag; 2007, p. 133-144

4. **Gangadharan SP**, Evaluation of mediastinal masses. In: Rose, BD, editor. UpToDate,. Waltham: UpToDate; 2007.

5. Borlaug BA, DeCamp MM, **Gangadharan SP**. Neoplastic pericardial disease. In: Rose, BD, editor. UpToDate,. Waltham: UpToDate; 2007.

6. Ernst A, **Gangadharan SP**. A good case for a declining role for mediastinoscopy just got better. Am J Respir Crit Care Med 2008;177:417-472.

7. **Gangadharan SP**, DeCamp MM. Mediastinal masses. In: Bland KI, editor. General surgery-principles and international practice. London: Springer-Verlag; 2009, p. 1409-1418.

8. **Gangadharan SP**. Neurogenic tumors. In: Sugarbaker DJ, editor. Adult chest surgery: concepts and procedures. New York: McGraw-Hill; 2009, p. 1145-1153.

9. **Gangadharan SP**. Benign pleural diseases. In: Sugarbaker DJ, editor. Adult chest surgery: concepts and procedures. New York: McGraw-Hill; 2009, p. 902-911.

10. Odell D, **Gangadharan SP**, DeCamp MM. Belsey-Mark IV fundoplication/Collis gastroplasty. In: Sugarbaker DJ, editor. Adult chest surgery: concepts and procedures. New York: McGraw-Hill; 2009, p. 271-277.

11. **Gangadharan SP.** Staging principles in lung cancer. In: Ernst A, editor. Endobronchial Ultrasound: An Atlas and Practical Guide. New York: Springer; 2009, p. 45-60

12. Ernst A, Carden K, **Gangadharan SP.** Tracheomalacia and tracheobronchomalacia in adults. In: Rose, BD, editor. UpToDate,. Waltham: UpToDate; 2010.

13. **Gangadharan SP.** Pathology and Treatment of Zenker Diverticulum. In: Fischer J, editor. Mastery of Surgery. Philadelphia: Lippincott Williams & Wilkins; in press.

14. Alazemi S, Macke R, **Gangadharan SP**, Majid A. Pulmonary and Thoracic Simulation In: Jones D, editor. Textbook of Simulation, Surgical Skills and Team Training. Woodbury, CT: Cine-Med; in press.

15. **Gangadharan SP**, Lech WJ, Sugarbaker DJ. Lung cancer surgery. In Advances in radiation oncology in lung cancer, Jeremic B, editor. New York: Springer-Verlag; in press.

Letter to the editor

1. Neragi-Miandoab S, **Gangadharan SP**, Sugarbaker DJ. Cardiac sarcoma fourteen years after pleurectomy and chemoradiation for malignant pleural mesothelioma [letter]. N Engl J Med 2005; 352:1929-30.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. Dialani V, Litmanovich D, DeCamp M, Ashiku S, **Gangadharan S**, Boiselle P. Subcarinal mimicker of necrotic lymph nodes following mediastinoscopy. Presented at the Radiological Society of North America Annual Meeting; Chicago, 2007.

2. Odell D, DeCamp M, Hurst J, **Gangadharan SP**, Peleg K, Berger RL. Terrorism-related thoracic trauma is serious, complex and costly: lessons from the Israeli experience. Presented at the Massachusetts Chapter-American College of Surgeons Annual Meeting; Boston, 2008

3. Tsukada H, Ernst A, **Gangadharan S**, Ashiku S, Garland R, Litmanovich D, DeCamp MM. Experimental tracheal replacement with a silicone stented fresh aortic allograft. Presented at the American College of Chest Physicians Annual Meeting; Philadelphia, 2008.

4. Reddy C, **Gangadharan S**, Michaud G, Majid A, Ernst A. Tracheal stenosis caused by Tracheopathia Osteoplastica: treatment by cervical tracheal resection with reconstruction. Presented at the American College of Chest Physicians Annual Meeting; Philadelphia, 2008.

5. Tsukada H, Ernst A, **Gangadharan S**, Garland R, DeCamp MM. Experimental tracheal replacement with a bioabsorbable scaffold. Presented at the American College of Chest Physicians Annual Meeting; San Diego, 2009

6. Shah A, Majid A, **Gangadharan S**, Alazemi S, Berkowitz D, Michaud G, Ernst A. Central airway stabilization for patients with Mounier-Kuhn syndrome. Poster presentation at the American College of Chest Physicians Annual Meeting; San Diego, 2009

7. Sosa A, Majid A, O'Donnell C, **Gangadharan S**, Shah A, Michaud G, Ernst A. Pulmonary function tests and the flow volume loops in patients with severe tracheobronchomalacia. Poster presentation at the American College of Chest Physicians Annual Meeting; San Diego, 2009

8. Nataraj D, Sugimoto H, Dewar R, Majid A, **Gangadharan S**, Herth F, Kalluri R, Ernst A. Histopathology of tracheobronchomalacia. Poster presentation at the American College of Chest Physicians Annual Meeting; San Diego, 2009

9. Nataraj D, Majid A, DeCamp M, Kent M, **Gangadharan S**, Michaud G, Lembo A, Chuttani R, Herth F, Ernst A. Tracheobronchomalacia and gastroesophageal reflux disease. Poster presentation at the American College of Chest Physicians Annual Meeting; San Diego, 2009

10. Gilmore D, Kent MS, DeCamp MM, **Gangadharan SP**. Minimally-invasive resection of foregut duplication cysts and pericardial cysts in adults. Poster presentation at the 56th Annual Meeting of the Massachusetts Chapter of the American College of Surgeons; Boston, 2009

11. **Gangadharan SP**, Majid A, Ashiku SK, Bakhos C, Kent MS, DeCamp MM, Ernst A. Technical aspects and outcomes of tracheobronchoplasty for severe tracheobronchomalacia. Presented at the Society of Thoracic Surgeons Annual Meeting; San Diego, 2010.

12. **Gangadharan SP**, Odell DD, Kent MS, Makey IA, Miles M, DeCamp MM. Successful introduction of video-assisted thoracic surgery (VATS) lobectomy to general surgery residents: analysis of 235 consecutive cases. Presented at the 5th Annual Academic Surgical Congress; San Antonio, 2010

13. Sanchez J, Majid A, Fernandez Bussy S, Sung A, Tabba M, Sosa A, **Gangadharan S**, Herth F, Ernst A. Assessment of airway collapse in adult tracheobronchomalacia: correlating subjective visual quantification and colour histogram mode technique. Poster presentation at the European Respiratory Society Annual Meeting; Barcelona, 2010

14. Tsukada H, Rafeq S, Majid A, Garland R, **Gangadharan S**, Herth F, DeCamp M, Ernst A. CT analysis of tracheal approximation in experimental tracheal replacement. Poster presentation at the American College of Chest Physicians Annual Meeting; Vancouver, 2010

15. Odell D, Majid A, **Gangadharan S**, Ernst A. Adoption of a standardized protocol decreases serious complications of airway stenting in patients with tracheobronchomalacia. Presented at the American College of Chest Physicians Annual Meeting; Vancouver, 2010

16. Odell D, Majid A, Bakhos C, **Gangadharan S**, Ernst A. Pulmonary artery sling: a rare presentation with tracheobronchial malacia in an adult. Presented at the American College of Chest Physicians Annual Meeting; Vancouver, 2010

17. Odell D, Majid A, Ernst A, Michaud G, DeCamp M, **Gangadharan S**. Predictors of the need for surgical intervention in cervical tracheomalacia. Poster presentation at the 57th Annual Meeting of the Massachusetts Chapter of the American College of Surgeons; Boston, 2010

18. Bakhos CT, Oyasiji TO, Gautam S, **Gangadharan SP**, Kent MS, Martin J, Critchlow JF, Fabian T, DeCamp MM. Impact of the Surgical Technique on Pulmonary Morbidity after Esophagectomy. Presented at the 47th Annual Meeting of the Society of Thoracic Surgeons; San Diego, 2011

19. Odell D, Kent M, DeCamp M, **Gangadharan S**. Lymph Node Staging at the Time of Thoracoscopic (VATS) Lobectomy: A comparison to staged mediastinoscopy. Presented at the 25th Annual Meeting of the General Thoracic Surgical Club; Captiva, 2011

20. Odell DD, Do N, Gautam S, Makey I, Kent MS, **Gangadharan SP**. Predictors and impact of prolonged length of stay following thoracoscopic lobectomy. Poster presentation at ISMICS 2011 Annual Meeting; Washington, DC, 2011

Narrative Report (limit to 500 words)

I am a general thoracic surgeon performing between 300-350 cases yearly, with clinical practice accounting for 60% of my time. My clinical interests are minimally-invasive thoracic surgery as well as airway surgery, particularly surgical treatment of tracheobronchomalacia and other benign airway conditions. In addition, 20% is spent teaching fellows and residents in operating rooms and clinics, as well as in didactic and technical training sessions. I spend 10% performing research, and another 10% in administrative duties. In November 2009, I was named the Acting Chief of the Division of Thoracic Surgery and Interventional Pulmonology.

Clinically, I have developed a busy practice in complex minimally-invasive thoracic surgery. With increasing expertise in this area, I have lectured locally, regionally, and nationally. I currently have two research projects reviewing our institutional experience with VATS lobectomy. One manuscript in preparation examines lymph node dissection; the other paper reviews how surgical trainees acquire proficiency with this complex technique. This latter project has been presented in February 2010 at the Academic Surgical Congress.

I have worked closely with Interventional Pulmonology colleagues to develop a multidisciplinary complex airway center which treats more patients with tracheobronchomalacia than any institution worldwide. I have lectured on this topic locally, and nationally I have also been invited to train other surgeons to perform tracheobronchoplasty. In January 2010, I presented our institution's tracheobronchoplasty experience at the Society of Thoracic Surgeons annual meeting, and the manuscript has been accepted for publication in the Annals of Thoracic Surgery. I am also mentoring a resident on a project on cervical tracheomalacia. Currently I am principal investigator on several research projects in animal models, investigating both tracheal resection and tracheomalacia.

Education has been my other focus. I currently serve as a Resource Faculty in Teaching, acting as an educational resource for other surgical faculty, and also facilitating a better Departmental teaching structure. I was named the Director of Graduate Medical Education for Thoracic Surgery in 2006, with responsibility for developing the curriculum, conferences, and surgical skills training sessions for the trainees rotating on our service. In 2008 I became Associate Program Director for the Cardiothoracic Surgery Residency. In the 2009-2010 academic year I was selected for a Rabkin Fellowship in Medical Education. My project was the development of a decentralized curriculum for General Surgery resident education. I have also been appointed as an Assistant Program Director for the General Surgery Residency.

Throughout my progression from trainee to surgical attending, I have been recognized for my efforts in education. I was awarded several teaching awards during residency, the most significant being the Francis D. Moore M.D. Award, which I received at the end of chief residency in General Surgery in recognition for my teaching of junior residents. As an attending, I received the John L. Rowbotham M.D. Award, which is bestowed annually to the surgical attending whom the residents identify as having contributed most significantly to their education. I currently serve as the faculty advisor to seven General Surgery residents.

My career goal is to marry the pursuit of clinical excellence with effective teaching of this clinical knowledge. I intensely enjoy both my own surgical practice as well as the progress I see my trainees make towards successfully developing their own.