

**VIRGINIA R. LITTLE, M.D.**

**Professional Address:**

1190 Fifth Avenue, Box 1028  
New York, NY 10029-6574  
(212) 659-9521  
(212) 659-6818 (fax)

**Academic Positions:**

7/1/04-Present                      Assistant Professor  
Department of Cardiothoracic Surgery  
Mount Sinai School of Medicine, New York, NY

**Hospital Appointments:**

7/1/04-Present                      Assistant Attending, Cardiothoracic Surgery  
The Mount Sinai Hospital, New York, NY

6/05-Present                         Assistant Attending, Cardiothoracic Surgery  
North General Hospital, New York, NY

11/06-Present                        Provisional Attending, Thoracic Surgery  
Lawrence Hospital, Bronxville, NY

**Board Certification:**

National Board of Medical Examiners	July 1991
California License: G-074440	June 1992
American Board of Surgery, 43241	June 1998
Pennsylvania License: MD-072610L	December 2000
New York License: 233613-1	August 2004
American Board of Thoracic Surgery, 7074	June 2005
American Board of Surgery, 43241	December 2005

**Education/Degrees:**

University of Vermont                      May 1985  
Burlington, Vermont  
(B.S.-Biology)

Brown-Dartmouth Program in Medicine                      May 1990  
Providence, Rhode Island

**Post Graduate Training:**

*Residency:*                      Resident I through V Surgery  
Department of Surgery  
University of California, San Francisco                      1990-1997

*Fellowships:*                      Surgical Oncology  
University of Pittsburgh Medical Center                      1999-2001

Thoracic Minimally Invasive                      2001-2002  
University of Pittsburgh Medical Center

Visiting Thoracic Surgery Fellow                      October and  
Memorial Sloan-Kettering Cancer Center                      November 2003

10/3/08

Cardiothoracic Surgical Resident July 2002-2004  
University of Pittsburgh Medical Center

*Research:* Division of Molecular Cytometry  
Principal Investigator: Maria Pallavicini, Ph.D.  
Department of Laboratory Medicine  
University of California, San Francisco 1993-1995

Gastrointestinal Research Laboratory  
Principal Investigators: Mark L. Welton, M.D.  
and Robert S. Warren, M.D.  
Department of Surgery  
University of California, San Francisco 1997-1999

### **Professional Memberships:**

Society for Surgery of the Alimentary Tract	1996	
Howard C. Naffziger Surgical Society	1997	
American College of Surgeons, Fellow initiate	2007	
The Society of Surgical Oncology	2000	
American Society of Clinical Oncology	2002	
Women in Thoracic Surgery, <i>website editor</i>	2006	
New York Society of Thoracic Surgeons	2006	
American Association of Cancer Research	2005	
Surgical Infection Society	2006	
American College of Chest Physicians, Fellow (#237016)		2006
Society of Thoracic Surgeons (#114848)	2007	
General Thoracic Surgery Club	2007	

### **Honors/Awards:**

Cum Laude, Phi Beta Kappa May 1985  
University of Vermont

Piedmont Society Award for Basic Science Research May 1999  
ASCRS 100th Anniversary and Tripartite Meeting

ASCO/AACR Workshop July 2003  
Methods in Clinical Cancer Research  
Vail, Colorado

### **Publications**

#### **Journals:**

1. Weinstock MA, Bogaars HA, Ashley M, **Little V**, Bilodeau E, Kimmel S.: Nonmelanoma Skin Cancer Mortality. A Population-Based Study. **Archives of Dermatology** 127: 1194 (1991)
2. Weinstock MA, Bogaars HA, Ashley M, **Little V**, Bilodeau E, Kimmel S.: Inaccuracies in Certification of Nonmelanoma Skin Cancer Deaths. **American Journal of Public Health** 82: 278 (1992)
3. **Little VR**, Lockett SJ, Pallavicini MG: Genotype/Phenotype Analyses of Low Frequency Tumor Cells Using Computerized Image Microscopy. **Cytometry** 23: 344 (1996)

10/3/08

4. **Little VR**, Reilly LM, Ramos TK: Preoperative Embolization of Carotid Body Tumors: When is it Appropriate? **Annals of Vascular Surgery** 10: 464 (1996)
5. **Little VR**, Warren RS, Moore DH, Pallavicini MG: Molecular Cytogenetic Analysis of Cytokeratin 20-Labeled Cells in Primary Tumors and Bone Marrow Aspirates from Colorectal Carcinoma Patients. **Cancer** 79:1664 (1997)
6. **Little VR**, Barbour S, Schrock TR, Welton ML: The Continent Ileostomy: Long-term Durability and Patient Satisfaction **Journal of Gastrointestinal Surgery** 3:625 (1999)
7. **Little VR**, Leavenworth JD, Darragh TM, Kosinski LA, Moore DH, Smith-McCune KK, Warren RS, Palefsky JM, Welton ML: Angiogenesis, Proliferation and Apoptosis in Anal High-Grade Squamous Intraepithelial Lesions (HSIL) **Diseases of Colon and Rectum** 43:346 (2000)
8. Luketich JD, Fernando HC, Christie NA, **Little VR**, Ferson PF, Buenaventura PO: Photodynamic Therapy in Thoracic Oncology: A Single Institution Experience. **Proceedings of SPIE** 4248 (2001)
9. **Little VR**, Buenaventura PO, Luketich JD. Minimally Invasive Resection for Esophageal Cancer. **Surgical Clinics of North America** 82:711 (2002)
10. Pierre AF, Luketich JD, Fernando HC, Christie NA, Buenaventura PO, **Little VR**, Schauer PR. Results of Laparoscopic Repair of Giant Paraesophageal Hernias: 200 Consecutive Patients. **Annals of Thoracic Surgery** 74:1909 (2002)
11. **Little VR**, Christie NA, Fernando HC, Buenaventura PO, Ferson PF, Luketich JD. Photodynamic Therapy for Endobronchial Metastases from Non-Bronchogenic Primaries. **Annals of Thoracic Surgery** 76:370 (2003).
12. Luketich JD, Alvelo-Rivera M, Buenaventura PO, Christie NA, McCaughan JS, **Little VR**, Schauer PR, Close JM, Fernando HC. Minimally Invasive Esophagectomy (MIE): Outcomes in 222 Cases. **Annals of Surgery** 238:486 (2003).
13. **Little VR**, Luketich JD, Christie NA, Buenaventura PO, Alvelo-Rivera M, McCaughan JS, Nguyen NT, Fernando HC. Photodynamic Therapy as Palliation for Esophageal Cancer: Experience in 215 Patients. **Annals of Thoracic Surgery** 76:1687 (2003).
14. Coello M., Luketich JD, **Little VR**, Godfrey TE. Prognostic Significance of Micrometastasis in Non-Small Cell Lung Cancer. **Clinical Lung Cancer** 5:214 (2004).
15. Fernando HC, De Hoyos A, **Little V**, Belani CP, Luketich JD. Radiofrequency Ablation: Identification of the Ideal Patient. **Clinical Lung Cancer** 6:149 (2004).
16. Xi L, Luketich JD, Raja S, Gooding WE, **Little VR**, Coello MC, Finkelstein SD, Chestney ML, Landreneau RJ, Hughes SJ, Godfrey TE. Molecular Staging of Lymph Nodes from Patients with Esophageal Adenocarcinoma. **Clinical Cancer Research** 11:1099 (2005).
17. de Hoyos A, **Little VR**, Luketich JD. Minimally Invasive Esophagectomy. **Surgical Clinics of North America** 85:631 (2005).
18. Xi L, Coello MC, **Little VR**, Raja S, Gooding WE, Yousem SA, El-Hefnawy T, Landreneau RJ, Luketich JD, Godfrey TE. A combination of molecular markers accurately detects lymph node metastasis in non-small cell lung cancer patients. **Clinical Cancer Research** 12:2484 (2006).

19. Greenstein AJ, **Little VR**, Swanson SJ, Divino CM, Packer S, McGinn TG, Wisnivesky JP Racial disparities in esophageal cancer treatment and outcomes. *Annals of Surgical Oncology* (accepted for publication, June 2007).

**Chapters:**

1. Wanebo HJ, **Little VR**, Muchmore JH. Regional Perfusion for Limb Melanoma and Soft Tissue Sarcoma. In Cancer Chemotherapy by Infusion, 2<sup>nd</sup> ed. Jacob Lokich, editor. Chicago: Precept Press. (1990)
2. Pallavicini MG, Moore II D, **Little VR**, Mueller P. Detection and Characterization of Micrometastases: Slide-Based Rare Event Analyses. In Introduction to Fluorescence In Situ Hybridization: Principles and Clinical Applications. Dan Pinkel and Michael Andreeff, editors. John Wiley & Sons (November 1999)
3. **Little VR**, Buenaventura PO, Luketich JD. Laparoscopic Repair of Giant Paraesophageal Hernia. In Advances in Surgery, Volume 35:21-38 John L. Cameron, editor. Mosby, Inc. (2001)
4. **Little VR**, Luketich JD. Minimally Invasive Esophagectomy. On CTSNet Experts' Techniques web page. Mark Ferguson, editor. (2002)
5. Luketich JD, **Little VR**. Non-Small Cell Lung Cancer – Stage IV Disease. In Current Therapy in Thoracic and Cardiovascular Surgery, 1<sup>st</sup> ed. Stephen Yang and Duke Cameron, editors. Harcourt. (September 2003)
6. **Little VR**, Swanson SJ. Primary Lung Abscess. In Conn's Current Therapy 2008 Robert E. Rakel and Edward T. Bope, editors. Elsevier Inc. (2008)
7. **Little VR**, Swanson SJ. Postoperative Bleeding: Coagulopathy, Bleeding, Hemothorax. In Thoracic Surgery Clinics 16: 203-207 Todd Demmy, editor. Elsevier Inc. (2006)

**Abstracts:**

1. Mehrotra B, Moore DH, **Little VR** et al: Detection of Cytogenetic Aberrations in Primary and Metastatic Colon Cancer using FISH. **Advances in the Biology and Therapy of Colorectal Cancer, The University of Texas M.D. Anderson Cancer Center**, Houston, November 1993.
2. **Little VR**, Warren RS, Pallavicini MG: CK20<sup>+</sup> Cells are Present in Marrow of Patients with Colorectal Cancer. **American Association for Cancer Research**. Toronto, 1995.
3. **Little VR**, Reilly LM, Ramos TK: Preoperative Embolization of Carotid Body Tumors: When is it Appropriate? **Peripheral Vascular Surgery Society**. Breckenridge, Colorado, February 1995.
4. **Little VR**, Barbour S, Schrock TR, Welton ML: The Continent Ileostomy: Long-Term Durability and Patient Satisfaction. **The Society for Surgery of the Alimentary Tract**, New Orleans, May 18, 1998.
5. **Little VR**, Welton ML, Warren RS: Identification of Micrometastases in Grossly Normal Liver of Colorectal Cancer Patients Using Fluorescence *In Situ* Hybridization. Surgical Forum, **American College of Surgeons**, Orlando, October 26, 1998.
6. **Little VR**, Leavenworth JD, Darragh TM, Kosinski LA, Moore DH, Smith-McCune KK, Warren RS, Palefsky JM, Welton ML: Angiogenesis, Proliferation and Apoptosis in

- Anal High-Grade Squamous Intraepithelial Lesions (HSIL). **The American Society of Colon and Rectal Surgeons**, Washington, DC, May 3, 1999.
7. Avisar E, **Little V**, Johnson RJ, Edington H. Tumor Biology of Pregnancy-Associated Breast Cancer. **The American Society of Clinical Oncology**, New Orleans, May 20-23, 2000.
  8. Luketich JD, Fernando HC, Christie NA, **Little VR**, Ferson PF, Buenaventura PO: Photodynamic Therapy in Thoracic Oncology: A Single Institution Experience. **Photonics West, Bios 2001**, presented at San Jose, January 20-26, 2001.
  9. **Little VR**, Belani CP and Luketich JD. Accuracy of Endoscopic Ultrasound after Neoadjuvant Chemotherapy for Esophageal Carcinoma. **Society of Surgical Oncology** Washington, DC, March 16, 2001.
  10. **Little VR**, Christie NA, Buenaventura PO, Ferson PF, Luketich JD. Photodynamic Therapy for Endobronchial Metastases from Non-Bronchogenic Primaries. **Society of Surgical Oncology** Washington, DC, March 16, 2001.
  11. **Little VR**, Fernando HC, Christie NA, Ferson PF, Buenaventura PO, Luketich JD. Expandable Metal Stents for Malignant Tracheobronchial Obstruction. **Society of Surgical Oncology** Denver, CO, March 2002.
  12. **Little VR**, Godfrey TE, Kelly LA, Raja S, Matli M, Warren RS. Detection of occult colorectal metastases in the liver using quantitative RT-PCR. **American Association for Cancer Research** San Francisco, CA, April 2002.
  13. Fernando, HC, Ferson PF, Buenaventura PO, Christie NA, Pierre AF, **Little VR**, Luketich JD. Preliminary experience with endoscopic trans-oral stapling of Zenker's diverticulum. **Western Thoracic Surgical Association**, Big Sky, MT, June 19-22, 2002.
  14. **Little VR**, Luketich JD, Christie NA, Buenaventura PO, McCaughan JS, Nguyen NT, Fernando HC. Photodynamic Therapy as Palliation for Esophageal Cancer: Experience in 215 Patients. **The Society of Thoracic Surgeons** San Diego, CA, February 1, 2003.
  15. **Little VR**, Xi L, Raja S, Luketich JD, Chestney L, Finkelstein S, Gooding W, Coello M, Kelly L, Hughes S, Godfrey TE. Identification of New Molecular Diagnostic Markers for Esophageal Cancer Staging. **American Association for Cancer Research**. Washington D.C., July 2003.
  16. **Little VR**, Luketich JD, Christie NA, Buenaventura PO, McCaughan JS, Nguyen NT, Fernando HC. Photodynamic Therapy with Curative Intent for Esophageal Disease: 35 Patients. **O.E.S.O. 7<sup>th</sup> World Congress**, September 2003.
  17. Xi, L, Feber A, Gupta V, Wu M, Landreneau R, **Little V**, Luketich, Godfrey T. Identification of Cancer-Related Genes that are Alternatively Spliced at High Frequency in Lung Adenocarcinoma Using Whole Genome Exon Arrays. **American Association for Cancer Research**, Los Angeles, CA, April 2007.
  18. Feber A, Nicastrì D, Xi L, Zhang W, Sun Y, Wu M, Pannethur A, Gooding WE, **Little VR**, Luketich JD, Godfrey TE. Clinical significance of genomic alterations in esophageal adenocarcinoma. **American Association for Cancer Research**, Los Angeles, CA, April 2007.
  19. Altomare I, Xi L, Pennathur A, Gooding WE, **Little V**, Landreneau R, Luketich JD, Godfrey TE. Molecule Staging of Occult Nodal Metastases in Esophageal Adenocarcinoma. **American Association for Cancer Research**, Los Angeles, CA, April 2007.

20. Feber A, Xi L, Luketich JD, Pennathur A, Landreneau RJ, Wu, M, Godfrey TE, Swanson, SJ, **Little VR**. MicroRNA Expression profiles of Esophageal Cancer. **American Association for Thoracic Surgery**, Washington D.C., May 2007.
21. Greenstein AJ, **Little VR**, Swanson SJ, Divino CM, Packer S, Wisnivesky JP. Effect of the number of lymph nodes sampled on postoperative survival of node-negative esophageal cancer. **American College of Surgeons**, October 2007.

### Videos

1. Pierre AF, **Little VR**, Luketich JD. Thoracoscopic Mid-Esophageal Diverticulectomy. (American College of Surgeons, San Francisco, October 2002)
2. Kim P, **Little VR**. Minimally Invasive Esophagectomy (New York Society of Thoracic Surgeons dinner, New York, May 2006)
3. **Little VR**, Swanson SJ, Weiser TS, Yun J. Thoracoscopic (VATS) Enuclation of a Proximal Esophageal Leiomyoma (New York Society of Thoracic Surgeons dinner, New York, May 2007)

### Recent Presentations

1. "Minimally Invasive Thoracic Surgery: "Current Approaches for Common Cases," Grand Rounds, Phelps Hospital, Sleepy Hollow, NY, February 2, 2005
2. "Radiofrequency Ablation of Lung Malignancies: Who's a Candidate?" Pulmonary Medicine Grand Rounds, Mount Sinai Medical Center, February 11, 2005
3. "Esophageal Cancer," Hematology-Oncology Fellow lecture, Mount Sinai Medical Center, October 20, 2005
4. "Esophageal Cancer," Grand Rounds, Huntington Hospital, Huntington, NY, January 19, 2006
5. "Photodynamic Therapy," GI Medicine Grand Rounds, Mount Sinai Medical Center, March 17, 2006
6. "From Gastroesophageal Reflux Disease to Esophageal Cancer: New Treatments and Technologies," Activity Director, New York Academy of Medicine, April 2, 2006
7. "Surgical Treatment of Esophageal Diseases," General Surgery Grand Rounds, Mount Sinai Medical Center, February 15, 2006
8. "Minimally Invasive Thoracic Surgery," Grand Rounds, Lawrence Hospital, Bronxville, NY, May 9, 2006
9. "Surgical Treatment of Esophageal Diseases," Surgery Grand Rounds, North General Hospital, New York, NY, May 11, 2006
10. "Lung Volume Reduction Surgery for COPD," St. Joseph's Hospital, Paterson, NJ, May 31, 2006
11. "Lung Cancer," St. John's Riverside and African American Men of Westchester, Yonkers, NY, April 26, 2007
12. "Esophageal Cancer Genomics," General Thoracic Biology Club, AATS, Washington, D.C., May 5, 2007
13. "IPF and GERD: Surgical Approach," "Living with IPF" Educational Seminar, Mount Sinai Medical Center, May 12, 2007
14. "Achalasia" and "Ideal Staging of Esophagus Cancer," The Minimally Invasive Thoracic Surgery Summit, Mount Sinai Medical Center, June 8, 2007

### Research Funding

National Research Service Award Trauma Training Grant University of California, San Francisco	7/1/97-6/30/99
Sentinel Lymph Node Mapping in Non-Small Cell Lung Cancer Minimally Invasive Surgery Center 10/3/08	5/1/02-6/30/03

Pittsburgh, PA

MicroRNA Expression in Esophageal Adenocarcinoma  
(PI, NIH National Cancer Institute R03)

6/1/07- 5/31/09

10/3/08