

CURRICULUM VITAE

William R. Burfeind Jr., MD

Chief, Thoracic Surgery
St. Luke's Health Network

Contact Information:

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St. Luke's Cancer Center
240 N. Centronia Rd.
Allentown, PA 18104

Phone Number
610/954-3990 (office)

Education:

9/83 - 6/86
9/86 - 5/90
8/90 - 5/94

Emmaus High School, Emmaus, PA, Honors
Middlebury College, Middlebury, VT, BA, Biochemistry
Columbia College of Physicians and Surgeons, New York, NY, MD

Postgraduate

Training: 7/94 - 6/95

Intern in General Surgery
Department of Surgery
Duke University Medical Center
Dr. David C. Sabiston Jr. Professor and Chairman (to 10/94)
Dr. Robert W. Anderson, Professor and Chairman (10/94 to 2/03)
Dr. Danny Jacobs, Professor and Chairman(2/03 to present)

7/95 - 6/96

Junior Assistant Resident
Department of Surgery, Duke University Medical Center

7/96 - 6/98

Research Fellow in Cardiothoracic Surgery
Department of Surgery, Duke University Medical Center

7/98-6/00

Senior Assistant Resident
Department of Surgery, Duke University Medical Center

7/00-6/01

Chief Resident
Department of Surgery, Duke University Medical Center

7/01-6/04

Cardiothoracic Surgery Fellow
Department of Surgery, Duke University Medical Center

Employment:

1/2007-present
7/2004-2007

Chief, Thoracic Surgery, St. Luke's Health Network
Assistant Professor of Surgery, Thoracic Surgery
Duke University Medical Center

Board Certification:

2002 American Board of Surgery – Certificate number 47706
2005 American Board of Thoracic Surgery – Certificate number 7031

Medical License:

State of Pennsylvania MD430365
State of North Carolina 96-00813
NCI Investigator Number 36872

Awards & Honors:

1/97 - 1/99 **National Research Service Award** from
National Heart, Lung, and Blood Institute, HL09696-01

5/93 - 5/94 **International Society of Cardiovascular Surgeons**
Research Fellowship, Columbia University
Dr. Roman Nowygrod, mentor

May 1990 **Magna Cum Laude with Highest Honors, Biochemistry**
Middlebury College, Middlebury, VT

May 1990 **Phi Beta Kappa**, Middlebury College,

5/88 - 8/88 **Merck, Sharp, and Dohme**, Rahway, NJ
Summer Research Fellowship, molecular immunology

Memberships

1/2007-present Eastern Cooperative Oncology Group Member
7/04 to 12/2006 Cancer and Leukemia Group B
Duke Surgical Coordinator
Thoracic Surgery Cadre Member

10/04 to present ACOSOG member
11/05 to present Southern Thoracic Surgical Association
10/06 to present *Fellow*, American College of Surgeons
1/06 to present Society of Thoracic Surgeons
3/07 to present General Thoracic Surgical Club
5/06 to present Association of Academic Surgeons
1/06 to present *Fellow*, American College of Chest Physicians
7/01 to present Sabiston Surgical Society, Secretary-Treasurer
5/90 to present Phi Beta Kappa Honor Society

Journal Publications:

1. Burfeind WR Jr, Tong BC, O'Branski E, Herndon JE, Toloza EM, D'Amico TA, Harpole LH, Harpole DH Jr. Quality of life outcomes are equivalent after lobectomy in the elderly. **Journal of Thoracic and Cardiovascular Surgery** 2008; 136(3):597-604.
2. Atkins BZ, Harpole DH Jr, Mangum JH, Toloza EM, D'Amico TA, Burfeind WR Jr. Pulmonary segmentectomy by thoracotomy or thoracoscopy: reduced hospital length of stay with a minimally-invasive approach. **Annals of Thoracic Surgery** 2007;Oct;84(4):1107-12; discussion 1112-3.
3. Petersen RP, Pham D, Burfeind WR, Hanish SI, Toloza EM, Harpole DH, D'Amico TA. Thoracoscopic lobectomy facilitates the delivery of chemotherapy after resection for lung cancer. **Annals of Thoracic Surgery**. 2007 Apr;83(4):1245-9
4. Onaitis M, Petersen RP, Balderson SS, Toloza EM, Burfeind Jr. WR, Harpole DH, D'Amico TA, Thoracoscopic Lobectomy is a Safe and Versatile Procedure: Experience with 500 Consecutive Patients. **Annals of Surgery** 2006;244(3):420-5.
5. Petersen RP, Hanish SI, Haney JC, Miller CC, Tyler DS, Seigler HF, Burfeind WR, D'Amico TA, Harpole DH, Pulmonary metastasectomy results in improved survival: an analysis of 1,720 pulmonary metastatic melanoma patients. **Journal of Thoracic and Cardiovascular Surgery** 2007 Jan;133(1):104-10.
6. Lemaire A, Nikolic I, Petersen T, Haney J, Toloza EM, Harpole DH, D'Amico TD, Burfeind WR. Nine year single center experience with cervical mediastinoscopy: complications and false-negative rate. **Annals of Thoracic Surgery** 2006;82:1185-1190.
7. Petersen RP, Pham DK, Toloza EM, Burfeind WR, Harpole DH, Hanish SI, D'Amico TA: Thoracoscopic lobectomy: a safe and effective strategy for patients receiving induction therapy for non-small cell lung cancer. **Annals of Thoracic Surgery** 2006;82:214-2419.
8. Lemaire A, Burfeind WR, Toloza EM, Balderson S, Peterson RP, Harpole Jr DH and D'Amico TA. Outcomes of Tracheobronchial Stents in Patients with Malignant Airway Disease **Annals of Thoracic Surgery**. 2005; Aug;80(2):434-7.
9. Burfeind Jr. WR, D'Amico TA, Toloza EM, Wolfe WG, Harpole DH. Low morbidity and mortality for bronchoplastic procedures with and without induction therapy. **Annals of Thoracic Surgery**. 2005; Aug;80(2):418-21.
10. Burfeind WR Jr, Glower DD, Wechsler AS, Tuttle RH, Shaw LK, Harrell FE Jr, Rankin JS. Single versus multiple internal mammary artery grafting for coronary artery bypass: 15-year follow-up of a clinical practice trial. **Circulation**. 2004 Sep 14;110(11 Suppl 1):II27-35.
11. Patel MR, Thomson LE, Meine TJ, Heitner J, Burfeind WR, Messier RH, Corey GR, Kim RJ. An intracardiac mass in a young man with congenitally acquired HIV. **Cardiol Rev**. 2004 May-Jun;12(3):126-30.
12. Burfeind Jr. WR, Glower DD, Davis RD, et al. Mitral surgery after prior sternotomy: Port-access versus sternotomy or thoracotomy. **Annals of Thoracic Surgery**. 2002;74(4): S1323-5.
13. Morota T, Duhaylongsod FG, Burfeind WR, Huang CT. Intraoperative evaluation of coronary anastomosis by transit-time ultrasonic flow measurement. **Annals of Thoracic Surgery**. 2002;73(5): 1446-50.
14. Burfeind Jr. W.R., Duhaylongsod F.G., Annex B.A., Samuelson D. High-flow gas insufflation to facilitate MIDCAB: the effects on coronary endothelium. **Annals of Thoracic Surgery**. 1998; 66(4): 1246-9.
15. Burfeind Jr. W. R., Duhaylongsod F. G., Samuelson D., Leone B. J. The effects of mechanical cardiac stabilization on left ventricular performance. **European Journal of Cardio-Thoracic Surgery**. 1998; 14: 285-289.

16. Huang C., Duhaylongsod F, Burfeind Jr. W., Lin C., Morota T., Kawata T. Feasibility study of a mechanical suturing device for less invasive mitral operations. **Annals of Thoracic Surgery**. 1998; 66(3): 1029-31.
17. Slater J.P., Amirhamzeh M.R., Yano O.J., Shah A.S., Starr J.P., Kaplon R.J., Burfeind Jr. W.R., Pepino P., Michler R.E., Rose E.A., Smith C.R., Spotnitz H.M., Oz M.C. Discriminating between preservation and reperfusion injury in human cardiac allografts using heart weight and left ventricular mass. **Circulation**. 1995; 92:II-223-II-227.
18. Esherick J.S., Burfeind Jr. W..R., King J., Burke J.M. A 3' splice site binding sequence within the catalytic core of a Group I intron. **Nature**. 1990; 344: 80-82.

Abstracts & Presentations:

1. Villamizar NR, Darrabie MD, Burfeind WR, Petersen RP, Onaitis MW, Toloza EM, Harpole DH, D'Amico TA. Thoracoscopic Lobectomy is Associated with Lower Morbidity Compared to Thoracotomy. *Oral Presentation* before the **Western Thoracic Surgical Society**, June 2008, Hawaii, HI.
2. Tong BC, Hanna J, Toloza EM, Onaitis MW, D'Amico TA, Harpole DH, and Burfeind WR. Outcomes of Video-Assisted Thoracoscopic Decortication. *Oral Presentation* before the **General Thoracic Surgical Club**, March 2008, San Diego, CA
3. Burfeind Jr. WR, Tong BC, O'Branski E, Herndon JE, Toloza EM, D'Amico TA, Harpole LH, Harpole Jr. DH. Quality of Life Outcomes are Equivalent after Lobectomy in the Elderly. *Oral Presentation* before the **American Association of Thoracic Surgeons**, May 2007, Washington, DC.
4. Burfeind Jr. WR. Sleeve Resections: Post-Graduate Course in Cardiothoracic Surgery. *Invited Presentation* before the **American College of Surgeons**, Oct. 2006, Chicago, IL.
5. Burfeind Jr. WR, Thoracoscopic Lobectomy and Sleeve Resections: Lung Cancer Management in 2006. *Invited Presentation* before the **American Thoracic Society**, May 2006, San Diego, CA.
6. Onaitis M, Peterson R, Balderson SS, Toloza EM, Burfeind Jr. WR, Harpole DH, D'Amico TA, Thoracoscopic Lobectomy is a Safe and Versatile Procedure: Experience with 500 Consecutive Patients. *Oral Presentation* before the **American Surgical Association**, May 2006, Boston, MA.
7. Petersen RP, Hanish SI, Haney JC, Miller CC, Tyler DS, Seigler HF, Burfeind WR, D'Amico TA, Harpole DH, Pulmonary metastasectomy results in improved survival: an analysis of 1,720 pulmonary metastatic melanoma patients. *Oral Presentation* before the **American Association for Thoracic Surgeons**, 2006, Philadelphia, PA.
8. Lemaire A, Nikolic I, Petersen T, et al. Nine year single center experience with cervical mediastinoscopy: complications and false negative rate. *Oral Presentation* before the **Society of Thoracic Surgeons**, January 2006, Chicago IL.
9. Peterson R, DuyKhanh P, Toloza EM, Burfeind WR, et al. Thoracoscopic Lobectomy: A Safe and Effective Strategy for Patients Receiving Induction Therapy for Non-Small Cell Lung Cancer. *Oral Presentation* before the **Southern Thoracic Surgical Association**, November 2005, Orlando FL.
10. Singh J, Toloza EM, Burfeind Jr. WR, Wahidi MM. Massive Hemoptysis from a Tracheo-Innominate Artery Fistula 11 Years Post-Tracheostomy. *Poster presentation* before the **Society of Critical Care Medicine**, January 2005, Phoenix AZ.

11. Lemaire A, Burfeind WR, Toloza EM, Balderson S, Petterson RP, Harpole Jr DH and D'Amico TA. Outcomes of Tracheobronchial Stents in Patients with Malignant Airway Disease. *Oral presentation* before the **Southern Thoracic Surgical Association**, November 2004, Cancun, Mexico.
12. Burfeind Jr. WR, D'Amico TA, Toloza EM, Wolfe WG, Harpole DH. Low morbidity and mortality for bronchoplastic procedures with and without induction therapy. *Oral presentation* before the **Southern Thoracic Surgical Association**, November 2004, Cancun, Mexico.
13. Burfeind Jr. W., Rankin J.S., Tuttle R., Wechsler A., Shaw L., Glower D. Single versus Multiple internal mammary artery grafting for coronary artery bypass: 15-year follow-up. *Oral presentation* before the **American Heart Association** scientific sessions 2003. November 2003, Orlando, FL.
14. Burfeind Jr. W., Kawata T., Morota T., Lin C., Huang C., Duhaylongsod F. Portable versus fixed system angiography for MIDCAB: a prospective, randomized single-blinded validation study. *Oral presentation* before the **International Society for Minimally Invasive Cardiac Surgery**, June 1998, Minneapolis, MN.
15. Burfeind Jr. W.R., Annex B.H., Samuelson D., Duhaylongsod F.G. Carbon dioxide jet-assisted maintenance of a bloodless field during coronary anastomosis causes profound endothelial loss. *Oral presentation* before the **American Heart Association** 70th scientific session, November 1997, Orlando, FL.
16. Burfeind Jr. W.R., Samuelson D.,McRae R., Leone B.J., Duhaylongsod F.G. The effects of mechanical stabilization on left ventricular performance. *Oral presentation* before the **World Congress on Minimally Invasive Cardiac Surgery**, May 1997, Paris, France.
17. Burfeind Jr. W.R., Annex B.H., Samuelson D., Duhaylongsod F.G. Effects of a humidified carbon dioxide jet on coronary endothelium. *Poster presentation* at the **World Congress on Minimally Invasive Cardiac Surgery**, May 1997, Paris, France.
18. Levin H.R., Burfeind Jr. W.R., Gardocki M.T., Slater J.P., Catanese K., Oz M.C., Rose E.R. Management of fungal infections in patients with left ventricular assist devices. Abstract in **International Society of Heart and Lung Transplantation**. 1994; 13:S37

Invited Manuscripts

1. Burfeind Jr. WR. *Invited Commentary* for Defining the optimal treatment of locally advanced esophageal cancer: a systematic review and decision analysis. **Annals of Thoracic Surgery** 2007 Apr;83(4):1264.
2. Riedel R.F. and Burfeind Jr. W.R. Thymoma: Benign appearance, malignant potential. **The Oncologist** 2006;11(8):887-94.
3. Burfeind Jr. W.R. and D'Amico T.A. Thoracoscopic Lobectomy. In Cox J.L. and Patterson G.A. (eds): **Operative Techniques in Thoracic and Cardiovascular Surgery**. New York, W.B.Saunders, 2004;Vol 9 No 2(Summer):98-114.
4. Burfeind Jr. WR and Harpole Jr. DH. Surgical strategies and outcomes after induction therapy for non-small cell lung cancer. D'Amico TA (Ed) **Seminars in Thoracic and Cardiovascular Surgery** 2005;Vol17No3:186-190.

Book Chapters

1. Burfeind Jr. W.R. and D'Amico T.A.: Thoracoscopic pericardiectomy. In Pappas, T.N., Chekan, E.G., and Eubanks, S. (eds): **Atlas of Laparoscopic Surgery**. Philadelphia, Current Medicine Inc., 1999, pp. 19.0-19.6.
2. Burfeind Jr. W.R. and D'Amico T.A.: VATS for mediastinal and pericardial diseases. In Soper N.J., Swanstrom L.L. and Eubanks W.S. (eds): **Mastery of Endoscopic and Laparoscopic Surgery**. Philadelphia, Lippincott Williams and Wilkins, 2003, pp. 550-555.