

CURRICULUM VITAE

NAME: John Anthony Howington, M.D., FACS, FCCP

OFFICE ADDRESS: NorthShore University HealthSystem
Department of Surgery
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LICENSURE: 1990 National Board of Medical Examiners
1990 State of Missouri
1994 State of Tennessee
1997 State of Arkansas
1999 State of Ohio
2007 State of Illinois

BOARD CERTIFICATION: 1995 Diplomat of the American Board of Surgery, Recertification 2004
1998 Diplomat of the American Board of Thoracic Surgery,
Recertification 2006

EDUCATION

PREMEDICAL: 1981- 1985 B.S. Chemistry
Tennessee Technological University
Cookeville, Tennessee

MEDICAL: 1985- 1989 M.D.
University of Tennessee
College of Medicine
Memphis, Tennessee

POST-GRADUATE CLINICAL EXPERIENCE:

General Surgery Residency July 1989 – June 1994
University of Missouri, Kansas City
Truman Medical Center
Department of Surgery
Kansas City, Missouri

Thoracic Surgery Residency July 1994 – June 1997
Vanderbilt University Medical Center
Department of Cardiac and Thoracic Surgery
Nashville, Tennessee

ACADEMIC APPOINTMENTS:

Clinical Associate Professor of Surgery Department of Surgery University of Chicago, Pritzker School of Medicine Chicago, Illinois	July 2009– present
Associate Professor of Clinical Surgery Department of Surgery Northwestern University Feinberg School of Medicine Chicago, Illinois	September 2007– June 2009
Associate Professor of Surgery Department of Surgery University of Cincinnati	September 2005 – June 2007
Assistant Professor of Surgery Department of Surgery University of Cincinnati	September 1999 – August 2005
Assistant Professor of Surgery Department of Surgery Division of Cardiothoracic Surgery University of Arkansas for Medical Sciences	July 1997 – August 1999

HOSPITAL APPOINTMENTS:

Chief, Thoracic Surgery NorthShore University HealthSystem Evanston, Illinois	June 2007 – present
Chief, Division of Thoracic Surgery Department of Surgery University of Cincinnati	September 1999 – June 2007
Chief, Thoracic Surgery Veterans Affairs Medical Center Cincinnati, Ohio	April 2000 – September 2006
Chief, Section of General Thoracic Surgery Division of Cardiothoracic Surgery University of Arkansas for Medical Sciences	July 1998 – August 1999
Medical Director, Surgical Oncology Clinic Arkansas Cancer Research Center University of Arkansas for Medical Sciences	July 1998 – August 1999

HONORS AND AWARDS:

2014 Physician Excellence Award presented by the Nurses of NorthShore Evanston Hospital
2014 NorthShore Medical Group Member Award, "Distinguished Contribution in Medicine" October 2014
Loyalty Leader Award, NorthShore University HealthSystem, September 2014
US News and World Report top 1% of Physicians in the US, 2012, 2013, 2014
Best Doctors in America, 2007-2008, 2009-2010, 2011-2012, 2013-2014
"America's Top Doctors for Cancer" Castle Connolly Medical LTD, 2008, 2009, 2010, 2011, 2012, 2013, 2014
"America's Top Doctors" Castle Connolly Medical Ltd, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
"Top Doctors 2007" Cincinnati Magazine, 2007
"Top Doctors 2005" Cincinnati Magazine, 2005
"Top Doctors 2003" Cincinnati Magazine, 2003
Nominee, CancerFamilyCare Unsung Hero, 2003
Cincinnati Business Courier Forty under 40 Awards, 2002
Red Sash Award - College of Medicine, Student and Academic Affairs, Univ. of Arkansas for Medical Sciences, 1999
George Hedgepath Award - Outstanding Resident, Truman Medical Center, 1994
W. Ray Snider Award - Outstanding Chief Surgery Resident, 1994
Kip Robinson Award - Highest ABSITE Exam, 1993
Outstanding Junior Surgery Resident, 1992

COMMITTEES:

Illinois Surgical Quality Improvement Collaborative Advisory Committee 2014
University of Chicago Thoracic Residency Clinical Competency Committee 2014-
NUH Chief Quality Officer Search Committee 2014-
AATS Robotics Fellowship Review Committee 2014-
NUH Care Transformation: Physician Advisory Group 2013-
NUH Specialty Care Practice Network 2013- 2014
Chair, NUH Department of Surgery Quality Committee 2008-
Faculty Practice Associates Quality Committee, NorthShore University HealthSystem, 2010-2014
NUH Medical Group Quality Improvement Committee 2007-2009
American College of Surgeons Ohio Committee on Applicants, 2006 – 2007
UC Resident Research Abstract Review Committee, 2003 – 2007
University Hospital OR Advisory Committee, 2002 – 2007
UC General Surgery Residency Committee, 2002-2006
Health Alliance CPOE Enterprise Team, 2003 – 2005
UC Chair of Orthopedic Surgery Review Committee, 2003-2004
Medical Product Design Search Committee, 2002 – 2004
University Hospital Credentials Committee, 2001 – 2003
UC Urology Division Director Search Committee, 2002 – 2003
Information Systems Committee, Co-chair UC Department of Surgery, 2001 – 2003
UC Cardiothoracic Section Director Search Committee, 2001 – 2002
Organization Structure Workgroup, UC Cancer Programs, 2001 – 2002
Scientific Review Committee, UC Barrett Cancer Center, 2000 – 2002
QualChoice Credentialing Committee, 1998 – 1999
UA Endoscopy Committee, 1998 – 1999
UA Medical Advisory Committee to Rehabilitation Services, 1997 – 1999
UA Quality Review Committee, 1989 – 1999
ACRC Protocol Review & Monitoring Committee, 1997 – 1999
UA Physician Advisory Task Force, 1997 – 1999

PROFESSIONAL SOCIETY MEMBERSHIPS:

Fellow, American College of Surgeons
Fellow, American College of Chest Physicians
American Association for Thoracic Surgery
Society of Thoracic Surgery
Southern Thoracic Surgical Association
General Thoracic Surgical Club
International Association for the Study of Lung Cancer
Metropolitan Chicago Chapter of the American College of Surgeons
Mont Reid Surgical Society
H. William Scott, Jr. Society

PROFESSIONAL ACTIVITIES:

Vice Chair of Surgery for Quality and Patient Safety, 2015-
Illinois Surgical Quality Improvement Collaborative: Surgeon Champion 2014-
Postgraduate Program Committee, Southern Thoracic Surgical Association, 2012-2014
Director, Medical Group Quality: Surgical and Hospital Based Specialties, 2011-
Member, Board of Trustees of the ACCP Chest Foundation 2012-2013, **President Elect** 2013-2014, **President** 2014-
NorthShore Medical Group Physician Leadership Course 2011-2014
ACCP Quality Improvement Committee 2010-2014
Moderator, American College of Surgeons, Clinical Congress, 2012
ACCP Acquire NSCLC Executive Committee, 2011-2012
Illinois Governor, American College of Chest Physicians, 2010-2012
Editorial Board Member: Thoracic Oncology Section of the Annals of Surgical Oncology, 2010-
Vice-Chair of Surgical Quality, NUH Department of Surgery, 2008-
Thoracic Oncology Network Steering Committee, American College of Chest Physicians, 2004, 2005, Vice-Chair 2006-2008, **Chair** 2009-2011
Thoracic Advisory Board, Ethicon Endosurgery 2008-2014
Membership Committee, American College of Chest Physicians 2008-2012
Councilor, Metropolitan Chicago Chapter American College of Surgeons 2008-2012
Moderator, ISMICS 2008 Advances in Minimally Invasive Thoracic Surgery June 2008

Invited Reviewer: Journal of Thoracic and Cardiovascular Surgery, 2008- present

Membership Committee, Southern Thoracic Surgical Association, 2007–2009, **Chair** 2010

Co-director Thoracic Oncology Program, NorthShore University HealthSystem 2007 – present

Guest Examiner, American Board of Thoracic Surgery 2007, 2009, 2010, 2011, 2012, 2013

Invited Editorial Board Member, American Journal of Clinical Oncology, 2006– present

Invited Reviewer: Innovations, 2005 – present

Invited Reviewer: Journal of Surgical Oncology, 2005– present

Chair, Plenary Session: Management of Malignant Pleural Effusion, CHEST 2005, 71st Annual International Scientific Assembly, 2005

Secretary, Ohio Chapter American College of Surgeons, 2004– 2007

Medical Advisory Board, Alveolus Inc., 2004 - 2006

Invited Reviewer: The Annals of Thoracic Surgery, 2003– present

Invited Reviewer: Chest, 2003 – present

Leadership Cincinnati, Class XXVII, 2003 – 2004

Interventional Chest Network Steering Committee, American College of Chest Physicians, 2001- 2004

Co-Director Thoracic Oncology Program, UC Barrett Cancer Center, 2000 – 2007

Health Alliance Physician Leadership Course, 2000 - 2001

Thoracic Committee, American College of Surgeons Oncology Group, 1999 – 2011

Scientific Presentations and Awards Committee, American College of Chest Physicians, 1999– 2001, 2004

Moderator, American College of Chest Physicians Clinical Congress, 1997– 2001, 2003, 2004, 2010, 2011

BIBLIOGRAPHY

1. Brown CS, Lapin B, Wang C, Goldstein JL, Linn JG, Denham W, Haggerty SP, Talamonti MS, **Howington JA**, Carbray J, Ujiki MB. Predicting regression of Barrett's esophagus: results from a retrospective cohort of 1342 patients. *Surg Endosc*. 2014 May 2.
2. Mazzone PJ, Vachani A, Chang A, Detterbeck F, Cooke D, **Howington J**, Dodi A, Arenberg D. Quality Indicators for the Evaluation of Patients with Lung Cancer. *Chest* 2014 Apr 3.
3. Swanson SJ, Miller DL, McKenna RJ Jr, **Howington J**, Marshall MB, Yoo AC, Moore M, Gunnarsson CL, Meyers BF. Comparing robot-assisted thoracic surgical lobectomy with conventional video-assisted thoracic surgical lobectomy and wedge resection: Results from a multihospital database (Premier). *J Thorac Cardiovasc Surg*. 2014 Mar;147(3):929-37
4. **Howington JA**, Blum MG, Chang AC, Balekian AA, Murthy SC. Treatment of Stage I and II Non-small Cell Lung Cancer: Diagnosis and Management of Lung Cancer, 3^d ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. *Chest*. 2013 May;143(5 Suppl):e278S-313S
5. David G, Gunnarsson C, Moore M, **Howington JA**, Miller D, Maddaus M, McKenna RJ, Meyers BF, Swans SJ. "Surgeon's Volume-Outcome Relationship for Lobectomies and Wedge Resections for Cancer Using Video-Assisted Thoracoscopic Techniques", *Minimally Invasive Surgery* 2012
6. Donington J, Ferguson M, Mazzone P, Handy, Jr J, Schuchert M, Fernando H, Loo W, Lanuti M, de Hoyos Parra A, Detterbeck F, Pennathur A, **Howington JA**, Landreneau R, Silvestri G. American College of Chest Physicians and Society of Thoracic Surgeons Consensus Statement for Evaluation and Management for High Risk Patients with Stage I non-Small Cell Lung Cancer. *Chest*. 2012 Dec;142(6):1620-35.
7. Yetasook AK, Leung D, **Howington JA**, Talamonti MS, Zhao J, Carbray JM, Ujiki MB. Laparoscopic ischemic conditioning of the stomach prior to esophagectomy. *Dis Esophagus*. 2012 Jul 20. doi: 10.1111/j.1442-2050.2012.01374.x.(Epub ahead of print) PubMed PMID: 22816598.
8. Swanson SJ, Meyers BF, Gunnarsson CL, Moore M, **Howington JA**, Maddaus MA, McKenna RJ, Miller DL. Video-assisted thoracoscopic lobectomy is less costly and morbid than open lobectomy: a retrospective multi-institutional database analysis. *Ann Thoracic Surg*. 2012 Apr;93(4):1027-32. Epub 2011 Nov 30. PubMed PMID: 22130269.
9. **Howington JA**, Gunnarsson C, Maddaus M, McKenna R, Meyers B, Miller D, Moore M, Rizzo J, Swanson S. In Hospital Clinical and Economic Consequences of Pulmonary Wedge Resections for Cancer Using Video-Assisted Thoracoscopic Techniques vs. Traditional Open Resections: A Retrospective Database Analysis. *CHEST* 2012 Feb;141(2):429-35. Epub 2011 Jul 21. PubMed PMID: 21778260.
10. Starnes SL, Reed MF, Meyer CA, Shipley RT, Jazieh AR, Pina EM, Redmond K, Huffman LC, Pandalai PK, **Howington JA**. Can lung cancer screening by computed tomography be effective in areas with endemic histoplasmosis? *J Thorac Cardiovasc Surg* 2010 Oct 6
11. Zuckerman D, Reed M, **Howington J**, Moulton J. Efficacy of Intra-Pleural Tissue Plasminogen Activator in the Treatment of Loculated Parapneumonic Effusions. *J Vasc Interv Radiol*. 2009 Jun 26.

12. Borchers MT, Wesselkamper SC, Curull V, Ramirez-Sarmiento A, Sánchez-Font A, Garcia-Aymerich J, Coronell C, Lloreta J, Agusti AG, Gea J, **Howington JA**, Reed MF, Starnes SL, Harris NL, Vitucci M, Eppert BL, Motz GT, Fogel K, McGraw DW, Tichelaar JW, Orozco-Levi M. Sustained CTL activation by murine pulmonary epithelial cells promotes the development of COPD-like disease. *J Clin Invest*. 2009 Mar;119(3):636-49.
13. **Howington J**. The first Saudi lung cancer guidelines. *Ann Thorac Med*. 2008 Oct;3(4):127.
14. Reed MF, Lucia MW, Starnes SL, Merrill WH, **Howington JA**. Thoracoscopic lobectomy: introduction of a new technique into a thoracic surgery training program. *J Thorac Cardiovasc Surg*. 2008 Aug; 136(2):376-81.
15. Jazieh AR, Al Hadab A, **Howington J**. Thoracic oncology multidisciplinary teams: Between the promises and the challenges. *Annals of Thoracic Medicine* 2008 Jan Vol. 3, 1.
16. Chiselite D, Deal NM, Check IJ, Share SM, Pereira TC, Coon JS, Hensing TA, Orr RK, Lannert KW, Liptay MJ, **Howington JA**, Sturgis CD. Bcl-2 expression in pulmonary neuroendocrine neoplasms: A tissue microarray study. *Modern Pathology*, Vol. 21, Suppl. 1, Jan 2008, p.337A.
17. **Howington JA**. The role of VATS for staging and diagnosis in patients with non-small cell lung cancer. *Semin Thorac Cardiovasc Surg*. 2007 Fall;19(3):212-6.
18. Huffman LC, Pandalai PK, Boulton BJ, James L, Starnes SL, Reed MF, **Howington JA**, Nussbaum MS. Robotic Heller myotomy: a safe operation with higher postoperative quality-of-life indices. *Surgery*. 2007 Oct;142(4):613-8; discussion 618-20.
19. Scott WJ, **Howington J**, Feigenberg S, Movsas B, Pisters K; American College of Chest Physicians. Treatment of non-small cell lung cancer stage I and stage II: ACCP evidence-based clinical practice guidelines (2nd edition). *Chest*. 2007 Sep;132(3 Suppl):234S-242S.
20. Jazieh AR, Younas A, Safa M, Redmond K, Buncher R, **Howington J**. Phase I clinical trial of concurrent paclitaxel, carboplatin, and external beam chest irradiation with glutamine in patients with locally advanced non-small cell lung cancer. *Cancer Invest*. 2007 Aug;25(5):294-8.
21. Reed MF, Lyons JM, Luchette FA, Neu JA, **Howington JA**. Preliminary Report of a prospective, randomized trial of underwater seal for spontaneous and iatrogenic pneumothorax. *J Am Coll Surg*. 2007 Jan; 204(1):84-90.
22. Lowy AM, Firdaus I, Roychowdhury D, Redmond K, **Howington JA**, Sussman JJ, Safa M, Ahmad SA, Reed MF, Rose P, James L, Jazieh AR. A phase II study of sequential neoadjuvant gemcitabine and paclitaxel, radiation therapy with cisplatin and 5-fluorouracil and surgery in locally advanced esophageal carcinoma. *Am J Clin Oncol*. 2006 Dec; 29(6): 555-561.
23. Huffman LC, Reed MF, **Howington JA**. Video-Assisted Thoracoscopic Splanchnicectomy for Pain Control in Chronic Pancreatitis. *Innovations* 2006; 1: 171-174.
24. Reed MF, Zagorski WA, **Howington JA**, Knudsen ES. Inhibition of retinoblastoma tumor suppressor activity by RNA interference in lung cancer lines deregulates growth. *Ann Thorac Surg*. 2006 Jul; 82(1):249-53.
25. Kemper M, Morgan CJ, Lyons J, Ling BC, Maher PC, Bohinski RJ, Keller JT, **Howington JA**, Kuntz C. Video-assisted thoracoscopic dissection of the brachial plexus: Cadaveric study and illustrative case. *Neurosurg*. 2006 Apr; 58(4 Suppl 2).
26. Ahmad SA, Wray C, Rilo HLR, Choe KA, Gelrud A, **Howington JA**, Lowy AM, Matthews JB. Chronic Pancreatitis: Recent advances and ongoing challenges. *Curr Opin Surg*. 2006 Mar; 43(3):127-238.

27. **Howington, J.** Spiral Computed Tomography for Early Lung Cancer Detection. *Oncology* December, 2005.
28. Reef MF, Molloy M, Dalton EL, **Howington JA.** Survival after resection for lung cancer is the outcome that matters. *Am J Sur.* 2004 Nov; 188(5):598-602.
29. Florez DA, **Howington JA,** Long JD. Esophageal obstruction secondary to erosion of Angelchik prosthesis: the role of endoscopic management. *Gastrointest Endosc.* 2003 Oct; 58(4):624-6.
30. Scott WJ, **Howington J,** Movsas B. Treatment of Stage II Non-Small Cell Lung Cancer. *Chest* 2003 Jan; 123(1 Suppl):188S-201S.
31. Jazieh AR, Kyasa MJ, Sethuraman G, **Howington, J.** Disparities in surgical resection of early stage non-small cell lung cancer. *J Thorac Cardiovasc Surg* 2002 Jun; 123(6): 1173-6
32. Levine NB, Kurokawa R, Fichtenbaum CJ, **Howington JA,** Kuntz C 4th. An immunocompetent patient with primary *Scedosporium apiospermum* vertebral osteomyelitis. *J Spinal Disord Tech* 2002 Oct; 15(5):425-30
33. Barone GW, Pait TG, Eidt JF, **Howington JA.** General surgical pearls for the anterior exposure of vertebral fractures. *Am Surg* 2001 Oct; 67 (10): 939-42.
34. **Howington JA.** Staging and Surgical Treatment of Non-Small Cell Lung Cancer. Supplement to *US Medicine*, Vol. 36 No. 9 pp 8-11, September 2000.
35. Jazieh AR, Hussain M, **Howington JA,** Grismer J, Read R. Prognostic factors in patients with resected Stages I and II non-small cell lung cancer. *Ann Thorac Surg* 2000 Oct; 70(4): 1168-71.
36. Jazieh AR, Hussain M, **Howington J.,** Spencer H, T., Cawich I, Grismer J, Husain M, Coke P, Smith A, Read, RC Prognosis in Early Stages Non-Small Cell Lung Cancer (NSCLC) Patients. *Lung Cancer* 1999.
37. Ridgeway CA, **Howington JA,** McNabney WK, Morse G, and Pemberton LB: Expediting the Open Diagnostic Peritoneal Lavage. *Journal of the American College of Surgeons* 180(6):735-736, 1995.

ABSTRACTS PRESENTED

Swanson S, Miller D, McKenna R, Meyers B, Marshall MB, Ghosh SK, Fegelman E, Roy S, Ryan M, Gunnarsson C, **Howington JA**. Economic Burden Of Prolonged Air Leak After Lung Resection: Open Versus Video-Assisted Thoracoscopic Surgery (VATS) **ISPOR 19th Annual International Meeting: Montreal, Canada June 2, 2014**

Brown CS, Lapin B, Wang C, Goldstein JL, Linn JG, Denham W, Haggerty SP, Talamonti MS, **Howington JA**, Carbray J, Ujiki MB. Predicting regression of Barrett's esophagus: results from a retrospective cohort of 1342 patients. SAGES 2014 Salt Lake City, UT April 2014

MO Wright, **JA Howington**. "Surgical Site Infection Following Preoperative Skin Preparation in a Multi-Hospital System." Association for Professionals in Infection Control and Epidemiology Annual Conference June 8-10, 2013. Ft. Lauderdale, FL

Sabha Ganai, Michael B. Ujiki, Mark S. Talamonti, John G. Linn, Amy Yetasook, Joann Carbray, Marco Zahedi, Ki Wan Kim, **John A. Howington** Celiac Nodal Status as Determined by Laparoscopic Gastric Ischemic Preconditioning is Prognostic in Locally-Advanced Esophageal Cancer and May Determine Necessity for Completion Esophagectomy 2013 SSAT/Digestive Disease Week

AK Yetasook; MS Talamonti, **JA Howington**, WE Denham, JG Linn, JM Carbray, MB Ujiki. *Cost of Laparoscopic Ischemic Conditioning and Gastric Conduit Morbidity As Compared to a Single Operation.* . American College of Surgeons Annual Clinical Congress October 2012.

AK Yetasook, D Leung MS, **JA Howington MD**, MS Talamonti MD, J Zhao, JM Carbray, MB Ujiki MD Laparoscopic Ischemic Conditioning of the Stomach Prior to Esophagectomy. Presented at the Society of American Gastrointestinal and Endoscopic Surgeons 2011.

John A. Howington, MD; Candace Gunnarsson, EdD; Michael A. Maddaus, MD; Robert J. McKenna, MD; Bryan F. Meyers, MD; Daniel Miller, MD; Matthew Moore, MHA; Scott Swanson, MD. Clinical and Economic Consequences Of Pulmonary Wedge Resections For Cancer Using Video-Assisted Thoracoscopic Techniques VS Traditional Open Resection A Retrospective Database Analysis. American College of Chest Physicians World Congress, Vancouver, Canada, November 3, 2010.

Reed, MF, Lucia MW, Starnes SL, Merrill WH, **Howington JA**. Thoracoscopic Lobectomy: Introduction of a New Technique into a Thoracic Surgery Training Program. Western Thoracic Surgical Association 33rd Annual Meeting, Santa Ana Pueblo, New Mexico, June 29, 2007.

Lewis JD, **Howington JA**, Starnes SL, Pritts TA, Reed MF. Video-assisted thoracoscopic surgery for acute thoracic trauma. Ohio Chapter of the American College of Surgeons Annual Meeting, Columbus, OH, May 12, 2007.

Huffman LC, Pandalai PK, Boulton BJ, Reed MF, **Howington JA**, James L, Nussbaum MS. Robotic Heller Myotomy: A Safe Operation with Higher Post-Operative Quality of Life Indices. Central Surgical Association 64th Annual Meeting. Chicago, Illinois, March 2007.

Lyons C, Starnes SL, **Howington J**, Almoosa KF, Young LR, McCormack FX, Reed MF. Management Preferences for Pleural Intervention Prior To Lung Transplantation in Lymphangioleiomyomatosis

Poster Presentation, American College of Chest Physicians World Congress, Chicago, IL, October 2007.

Lyons CB, Starnes SL, **Howington JA**, Almoosa KF, Young LR, McCormack FX, Reed MF. Transplantation Center Exclusion Biases for Pleurodesed Lymphangioleiomyomatosis Patients American Thoracic Society, May 2006.

Huffman LC, Pandalai PK, Boulton BJ, Reed MF, **Howington JA**, James L, Nussbaum MS. Robotic treatment of achalasia is a safer operation with higher post-operative quality of life indices compared to laparoscopy. Poster Presentation, American College of Surgeons Ohio Chapter Fifty-First Annual Meeting, Columbus, Ohio, May 2006.

Mammen JMV, **Howington JA**, Bondoc A, Reed MF. Video-assisted thoracoscopic pneumonectomy for Swyer-James Syndrome. Poster Presentation, Association of VA Surgeons Thirtieth Scientific Symposium, Cincinnati, Ohio, May 2006.

Huffman LC, Pandalai PK, Reed MF, Neu JA, Pina EM, Redmond KP, Jazieh AR, Meyer C, Shipley RT, **Howington JA**. Early Results from Lung Cancer Screening Using Spiral CT of High-Risk Individuals. Cincinnati Surgical Society Annual Resident Research Competition and University of Cincinnati Department of Surgery Grand Rounds Annual Resident Research Competition, May 2006.

Lyons CB, Starnes SL, **Howington JA**, Almoosa KF, Young LR, McCormack FX, Reed MF. Management Preferences for Pleural Intervention Prior to Lung Transplantation in Lymphangioleiomyomatosis. Lymphangioleiomyomatosis Foundation Research Conference, Cincinnati, Ohio, April 2006.

Lyons CB, Starnes SL, **Howington JA**, Almoosa KF, Young LR, McCormack FX, Reed MF. Transplantation Center Exclusion Biases for Pleurodesed Lymphangioleiomyomatosis Patients Lymphangioleiomyomatosis Foundation Research Conference, Cincinnati, Ohio, March 2006.

Reed MF, Zagorski WA, **Howington JA**, Knudsen ES. Inhibition of retinoblastoma tumor suppressor activity by RNA interference in lung cancer lines deregulates growth. Southern Thoracic Surgical Association 52nd Annual Meeting, Orlando, FL, November 2005.

Huffman LC, Pandalai PK, Reed MF, Neu JA, Pina EM, Redmond KP, Jazieh AR, Meyer C, Shipley RT, **Howington JA**. Early Results from Lung Cancer Screening Using Spiral CT of High-Risk Individuals. Poster Presentation, American College of Chest Physicians World Congress, Montreal, Canada, October 2005.

LC Huffman, MF Reed, **JA Howington**. A review of our experience with video-assisted thoracoscopic sympathectomy for pain control in chronic pancreatitis. International Society for Minimally Invasive Cardiothoracic Surgery 8th Annual Scientific Meeting, New York, NY, June 2005.

Nelson LA, Istaphanous G, Bowshier B, Lawrence, JP, Lyons JM, **Howington, JA**. Total lung lavage for pulmonary alveolar proteinosis: Twenty-one procedures in four patients. Poster Presentation, American College of Chest Physicians, Cardiac and General Thoracic Surgery Update Course, Scottsdale, Arizona, December 2004.

Lyons JM, Reed MF, Neu JA, Luchette FA, **Howington JA**. A prospective randomized trial of underwater seal for spontaneous and iatrogenic pneumothorax. Poster Presentation, American College of Chest Physicians, World Congress, Seattle, Washington, October 2004.

Long JD, Kiev J, Chauhan SS, **Howington JA**. "Recurrent Epiphrenic Esophageal Diverticuli After Surgical Treatment" Poster Presentation. American College of Gastroenterology 69th Annual Scientific Meeting, October 31, 2004.

Y. Zafar, B. Kleykamp, M. Foraida, J. Neu, R. Buncher, R. Shipley, A.R. Jazieh, **J. Howington**. Characteristics and motivations of participants in a lung cancer screening study. Poster Presentation. American Society of Clinical Oncologists Annual Meeting, June 2004.

Reed MF, Molloy M, Dalton EL, **Howington JA**. Measuring the Outcome that Matters: Survival after Resection for Lung Cancer in One VA Medical Center. Oral Poster Presentation. Association of VA Surgeons Meeting. Richmond, Virginia 2004.

Younas A, Redmond K, **Howington J**, Kleykamp B, Jazieh AR. Phase I Trial of Concurrent Paclitaxel (P), Carboplatin ©, and External Beam Chest Irradiation with Glutamine (G) in Patients with Locally Advanced Non Small Cell Lung Cancer. 2004 ASCO Proceedings.

Morgan CJ, Maher PC, Hemida S, Keller JT, **Howington JA**, Kuntz C. Video-assisted thoracoscopic surgery for tumors of the lower brachial plexus. Poster Presentation. Congress of Neurological Surgeons. Denver, Colorado. October, 2003.

N Soda, M Ghouse, I Minhas, G Sethuraman, **J Howington**, AR Jazieh. The use of Dietary Supplements in Patients with Lung Cancer. Presented at the American Society of Clinical Oncology, June 2003.

BS Kelly, JF Buell, TM Beebe, J Trofe, MR First, RR Alloway, **J Howington**, and ES Woodle. Denovo Lung Cancer in Renal Transplant Patients. American Society of Transplant Surgeons Meeting, January, 2003.

King W, Riegler S, **Howington J**. "Diaphragmatic Hernia: Congenital or Traumatic?" Ohio Chapter American College of Physicians Meeting. October 2002.

Firdaus I, Roychowdhury D, Jazieh A, Redmond K, **Howington J**, Sussman J, Somoygi L, Bekal P, Rose P, and Lowy AM. A phase II study evaluating the role of neoadjuvant sequential chemotherapy with gemcitabine and paclitaxel and concurrent cis-platin (CDDP) and 5-fluorouracil (5-FU) followed by surgery, in resectable esophageal and proximal gastric carcinomas. Presented at the American Society for Clinical Oncology, Orlando, 2002.

Howington JA, Grogan JK, Molloy M, Muhleman AF. Longitudinal survival following surgical treatment of bronchogenic carcinoma: the Cincinnati VAMC Experience. VA National Oncology Symposium, Washington, DC. January 2002.

A.R. Jazieh, **J. Howington**, M. Hussain, H. Spencer, I. Cawich, J. Grismer, M. Husain, P. Coke, A. Smith, R.C. Read. Prognostic Factors in 383 Patients with Surgically Resected Stage I-II Non- small Cell Lung Cancer (NSCLC). Presented at the Third VA National Cancer Symposium, April 1999.

Barone G, Webb J, Eidt J, Pait T, **Howington J**. Surgical Pearls for the Anterior Exposure of Vertebral Fractures. 51st Southwestern Surgical Association, April 1999.

Jazieh AR, Hussain M, **Howington JA**, Spencer H, Antakli T, Cawich I, Grismer J, Coke P, Smith A, and Read RC: Prognostic Factors for Surgically Resected Stage I-II Non-Small Cell Lung Cancer. American Association for Cancer Research Meeting, Philadelphia, Pennsylvania, April 1999.

Howington JA, VanWay C, and Miller LK: Attenuation of Reperfusion Lung Injury with Allopurinol Pretreatment. Missouri Chapter, American College of Surgeons, 25th Annual Professional Meeting, Lake Ozark, Missouri, June 19, 1992.

BOOK CHAPTERS

Guitron, J, Huffman, LC, **Howington, J**. Blunt and Penetrating Injuries of the Chest Wall, Pleura and Lungs. In: Shields TW, LoCicero, III J, Reed CE, Feins RH. *General Thoracic Surgery, Seventh Edition*. Lippincott

Williams and Wilkins, 2009

Guitron, J, **Howington, J.** Diaphragmatic Injuries. In: Shields TW, LoCicero, III J, Reed CE, Feins RH. *General Thoracic Surgery, Seventh Edition*. Lippincott Williams and Wilkins, 2009

Guitron, J, **Howington, J.** Esophageal Trauma. In: Shields TW, LoCicero, III J, Reed CE, Feins RH. *General Thoracic Surgery, Seventh Edition*. Lippincott Williams and Wilkins, 2009

Howington, J. Thoracic Incisions. In: Yang & Cameron: Current Therapy in Thoracic and Cardiovascular Surgery. (2004).

Howington, JA. Pharyngoesophageal (Zenker's) Diverticulum. In: Baker RJ, Fischer JE eds. *Mastery of Surgery*. Fourth edition. Philadelphia: Lippincott Williams & Wilkins, 2001.

MISCELLANEOUS PUBLICATIONS

Howington J. "Operative Risks: Physician Concerns versus Patient Concerns" ACCP Website, December 2004
<https://accp.chestnet.org/memresources/downloads/networks/howington.pdf>

Long JD, Kiev J, Chauhan SS, **Howington JA.** "Recurrent epiphrenic esophageal diverticula after surgical treatment: A report of two cases." *Am J Gastroenterol* 2004, 99(10), Abstract.

Howington J. "Battling the Number 1 Cancer Killer." UC Mini-Medical College. NetWellness website December 2003. <http://www.netwellness.org/>

VATS Lobectomy-A Live Internet Broadcast. December 18, 2003

Interventional Pulmonary Procedures-Guidelines from the American College of Chest Physicians
Chest 2003May; 123:1693-1717.

Barone G, Webb J, Eidt J, Pait T, **Howington J.** Surgical Pearls for the Anterior Exposure of Vertebral Fractures. 51st Southwestern Surgical Association Website, April 1999.

REGIONAL, NATIONAL AND INTERNATIONAL PRESENTATIONS

"*Debate VATS vs Robotic Assisted Lobectomy*" Presentation at the 34th Annual Meeting of the Association of Physician Assistants in Cardiovascular Surgery. Las Vegas, Nevada March 2, 2015

"*Management of Prolonged Air Leak and BPF*" Presentation at the 34th Annual Meeting of the Association of Physician Assistants in Cardiovascular Surgery. Las Vegas, Nevada March 2, 2015

General Thoracic Case Presentation & Expert Panel: "*Lung Cancer Screening at Academic and Non-academic Institutions*. " Case Presenter: Robert B. Lee. **Expert Panelists:** Richard K. Freeman and **John A. Howington**
Presentation at the 61st Annual Southern Thoracic Surgical Association Meeting, Tucson, Arizona, November 2014.

"*Pulmonary Metastasectomy*" Presentation at the 17th Annual Meeting of the Association of Physician Assistants for Oncology. Austin Texas, September 14, 2014

General Thoracic Case Presentation & Expert Panel: "*Solitary Pulmonary Nodule Clinical Stage 1 in a Basal Location*. " Case Presenter: Seth D. Force
Expert Panelists: Shanda H. Blackmon and **John A. Howington**
Presentation at the 60th Annual Southern Thoracic Surgical Association Meeting in Scottsdale Arizona, October

2013.

"To Screen or not to Screen?", Presentation at the 4th Annual Saudi Thoracic Society Gulf Thoracic Meeting in Dubai, UAE March 2013.

"Surgery in Lung Cancer", Presentation at the 4th Annual Saudi Thoracic Society Gulf Thoracic Meeting in Dubai, UAE March 2013.

"Cost of Laparoscopic Ischemic Conditioning And Gastric Conduit Morbidity As Compared To A Single Operation", for exhibition at the American College of Surgeons' 2012 Clinical Congress.

"Clinical Standardization and Quality in Thoracic Surgery", Presentation at the 68th Annual Tri-State Thoracic Conference, Egg Harbor, WI, September 8, 2012.

"VATS Lobectomy" TSRA Cardiothoracic Technology Symposium, Colorado Springs, CO March 2011.

"Robotic Thymectomy" TSRA Cardiothoracic Technology Symposium, Colorado Springs, CO, March 2011

"Early Detection of Lung Cancer" International Conference on Carcinogenesis and Cancer Prevention, Bangalore, India, February 2011.

"Proven Care Lung: A Multi-institutional Collaborative" 22nd Annual National Forum on Quality Improvement in Health Care, Orlando Florida, December 2010

"New Management and Outcomes in Lung Cancer", Presentation at CHEST conference, Vancouver, BC, November 2nd, 2010.

"VATS Lobectomy" TSRA Cardiothoracic Technology Symposium, Cincinnati, OH March 2010

"Fundamental of Thoracoscopic Lobectomy & Left Upper Lobectomy" at Chicago Thoracoscopic Lobectomy Mini Fellowship, Course Director, Rosemont IL, May 2009

"VATS Lobectomy" TSRA Cardiothoracic Technology Symposium, Cincinnati, OH March 2009

"Management of Malignant Pleural Effusion" Presentation at the 1st International Thoracic Oncology Conference, Riyadh, Saudi Arabia, November 13, 2008.

"VATS Sympathectomy for Chronic Epigastric Pain" Presentation at the 1st International Thoracic Oncology Conference, Riyadh, Saudi Arabia, November 13, 2008.

"Approaches to a Tissue Diagnosis in Lung Cancer" Presentation at the 1st International Thoracic Oncology Conference, Riyadh, Saudi Arabia, November 12, 2008.

"Role of Surgery in Lung Cancer" Presentation at the 1st International Thoracic Oncology Conference, Riyadh, Saudi Arabia, November 12, 2008.

"Counterpoint: Thoracoscopic Lobectomy, The Minimally Invasive Benchmark" Presented at the Southern Thoracic Surgical Association 55th Annual Meeting in Austin, Texas on November 7, 2008.

"Mediastinal Stage of Lung Cancer; a Peek Inside: Mediastinoscopy, Videomediastinoscopy, and Video-Assisted Thoracoscopic Surgery," Presentation at the American College of Chest Physicians Annual Meeting, Chest 2007, October 25, 2007.

"Pleural Disease: Complications of Thoracoscopy for Pleural Disease," Presentation at the American College of Chest Physicians Annual Meeting, Chest 2007, Chicago, IL, October 23, 2007.

“Staging Non-Small Cell Lung Cancer” Postgraduate program at the 93rd Annual ACS Clinical Congress, New Orleans, LA October 9, 2007

“Oncologic Efficacy of Thoracoscopic Lobectomy,” U.S. Surgical, Norwalk, CT, May 18, 2007.

“Minimally Invasive Thoracic Surgery: Its Role in Lung Cancer Care,” Oncology Update 2007: Expanding Horizons, King Faisal Specialist Hospital and Research Center, Jeddah, Saudi Arabia, February 28, 2007.

“The Management of Inoperable Early-Stage Lung Cancer,” Thoracic Oncology Educational Program, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Saudi Arabia, February 26, 2007.

“The Surgical Approaches to Lung Cancer,” Thoracic Oncology Educational Program, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Saudi Arabia, February 26, 2007.

“Diagnosis and Work-Up of Lung Cancer,” Thoracic Oncology Educational Program, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Saudi Arabia, February 26, 2007.

“Lung Cancer Screening,” Thoracic Oncology Educational Program, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Saudi Arabia, February 26, 2007.

“A Multidisciplinary Approach to Lung Cancer,” Saudi Thoracic Society, Riyadh, Saudi Arabia, February 24, 2007.

“Developing a Multidisciplinary Thoracic Oncology Team,” King Abdulaziz Medical City, National Guard Oncology Department, National Guard Health Affairs Hospital, Riyadh, Saudi Arabia, February 24, 2007.

“Advancements in Thoracoscopy,” Presentation at Ethicon Endo Surgery, Inc., Cincinnati, Ohio, October 30, 2006.

“Controversies in Thoracic Surgery: Management of Malignant Pleural Effusions: Video-Assisted Thoracic Surgery Pleurodesis,” Presentation at the American College of Chest Physicians Annual Meeting, Chest 2006, Salt Lake City, Utah, October 24, 2006.

“Controversies in Thoracic Oncology: PRO: Mediastinoscopy vs. Endoscopic Staging Mediastinoscopy,” Presentation at the American College of Chest Physicians Annual Meeting, Chest 2006, Salt Lake City, Utah, October 24, 2006.

“Optimal Surgery in Lung Cancer.” Presentation at the Association of V.A. Hematology/Oncology 2nd Annual Meeting, Cincinnati, Ohio, October 15, 2006.

“Innovations in Surgical Treatments for Lung Cancer” Presentation at the Symposium on Lung Cancer and Lymphoma at the University of Arkansas for Medical Sciences, Little Rock, Arkansas, September 23, 2006.

“Screening for Lung Cancer.” Presentation for the Pulmonary Medicine for Primary Care Physicians Conference, Cincinnati, Ohio, May 6, 2006.

“Video-Assisted Thoracoscopic Lobectomy for Early Stage Lung Cancer.” Presentation for U.S. Surgical and Tyco Healthcare, Chicago, Illinois, April 20, 2006.

“Management of Malignant Pleural Effusions: VATS, Chest Tubes and Pleuroscopy” Chest 2005 Meeting, Montreal Canada, November 3, 2005.

The Group Room® Cancer Radio Talk Show “Treatment of Early Stage Lung Cancer.” Taped Broadcast in Association with CHEST 2005, 71st Annual International Scientific Assembly, October 30, 2005.

"AJCC Staging for Non-Small Cell Lung Cancer" Postgraduate program at the 91st Annual ACS Clinical Congress, San Francisco, CA, October 18, 2005.

"Battling the #1 Cancer Killer" 1st Annual UC Community Cancer Education Day. June 25, 2005.

"The Proposed Cincinnati Smoking Ban" 89.7-FM, WNKU Speaking Frankly Program, January 27, 2005.

"Thoracic Oncology: What's Key Since 2003" Chest 2004 Meeting, October 27, 2004.

"Current Literature on Outcomes, Trends, and Quality of Life in Thoracic Oncology Patients Treated with Curative Intent Surgery" American College of Chest Physicians World Congress, October 2004.

"Management of Specific Lung Cancer Complications" Fourth Annual Tri-state Lung Cancer Symposium, June 19, 2004.

"Lung Volume Reduction Surgery" Ohio Thoracic Society Meeting, June 12, 2004.

"*Altitude Physiology: Recent Experiences on Aconcagua.*" Department of Surgery Research Conference, May 14, 2004.

"Is Screening for Lung Cancer Helpful?" 2nd Annual Cancer and the Primary Care Physician symposium. May 1, 2004.

"A Potpourri of Thoracic Problems: Incisions, Closures, Tubes and Pain" Southern Thoracic Surgical Association 50th Annual Meeting November 13, 2003.

"Surgical Treatment of Non-Small Cell Lung Cancer" Lexington, KY October 30, 2003.

"Battling the Number 1 Cancer Killer." UC Mini-Medical College. October 7, 2003.

Expert Panel: Management of Empyema. American College of Chest Physicians Clinical Congress November 6, 2002.

"Screening for Lung Cancer". Second Annual Tri-state Lung Cancer Symposium, June 1, 2002.

"Spiral CT for Lung Cancer Screening". Cincinnati Wellness Center. November 17, 2001.

"Controversies in Thoracic Trauma Management". Ohio Chapter of the American College of Surgeons Dayton, OH May 2001.

"Empyema: Which Therapy When?" American College of Chest Physicians Clinical Congress, October 2000.

"Staging and Surgical Treatment of Non-small cell lung cancer." Veterans Affairs national broadcast lung cancer symposium. February 1, 2000.

"What's new in Thoracic Surgery" The Cincinnati Surgical Society meeting October 20, 1999.

"Lung Cancer Disease Update" KARN Medical Center radio show Little Rock, AR. February 8, 1999.

"Lung Cancer: Staging and Treatment" North Arkansas Medical Center, Harrison AR. November 24, 1998.

"Surgical Treatment of Lung Disease" Union County Cancer Symposium El Dorado, AR. October 30, 1998.

"Advances in Lung Cancer: Improving Tolerance of Treatment and Quality of Life." Advances in Oncology Nursing Practice, Little Rock, AR. April 24, 1998.

Revised 06/18/2015