

Personal Information



Sukki Cho

Address: Bundang Hospital

Country: South Korea

Curriculum Vitae

[Clinical Interests]

- Thoracic oncology : lung cancer, esophageal cancer, mediastinal tumor, pulmonary metastasis
- Pleural disease : pneumothorax, empyema
- Chest wall disease : pectus excavatum, chest wall tumor
- Trauma : tracheal injury
- Minimally invasive thoracic surgery : VATS, Single-port, Robotic surgery, Electromagnetic Navigation Bronchoscopy
- Research : Circulating tumor cell, biomarker

[Education]

- 2011 Ph. D. Department of Thoracic and Cardiovascular Surgery
Seoul National University, College of medicine
Thesis: Effect of Molsidomine, a molecular releasing NO on ischemic-reperfusion injury following lung transplantation in rats
- 2006 M.S Department. of Thoracic and Cardiovascular Surgery,
Seoul National University, College of medicine
- 1997 B.S. Seoul National University, College of medicine

[Experience]

March 2014 ~ present

Associate professor, Seoul National University College of medicine

Mar 2011 ~ Feb 2014

Assistant professor, Seoul National University College of medicine

Mar 2007 ~ Feb 2011

Assistant professor, Kyungpook National University, School of medicine

May 2006 ~ Feb 2007

Clinical staff, General thoracic part, Seoul National University Bundang Hospital

May 2005~Apr 2006

Thoracic part clinical fellow, Seoul National University Bundang Hospital

May 2002~April 2005

Manager, Dept. of Thoracic Surgery, Korean Army Daejeon Hospital

Mar 1997~ Apr 2002

Resident course, Seoul National University Hospital

[Publications]

1. Kim TJ, Lee KH, Kim YH, Sung SW, Jheon S, Cho S, Lee KW. Postoperative imaging of esophageal cancer: What chest radiologist need to know. *Radiographics* 2007;27(2):409-29.
2. Cho S, Huh DM, Kim BH, Lee S, Kwon OC, Ahn WS, Jheon S. Staple line covering procedure after thoracoscopic bullectomy for the management of primary spontaneous pneumothorax. *Thorac Cardiovasc Surg* 2008;56:217-220.
3. Cho S, Chung JH, Jheon S, Sung SW. Risk of recurrence in surgically resected stage I adenocarcinoma of the lung: Histopathologic and immunohistochemical analysis. *Lung*. 2008;186(6):411-9.
4. Cho S, Jheon S, Ryu KM, Lee EB. Primary esophageal repair in Boerhaave's syndrome. *Dis Esophagus*. 2008;21:660-3.
5. Cho S, Ra YJ, Lee CT, Chung JH, Sung SW, Jheon S. Difficulties in diagnosis and management of ectopic Cushing syndrome. *J Thorac Oncol*. 2008;3:444-6.
6. Cho S, Ryu KM, Jheon S, Sung SW, Kim BH, Huh DM. Additional mechanical pleurodesis after thoracoscopic wedge resection and covering procedure for primary spontaneous pneumothorax. *Surg Endoscopy*. 2009;23:986-990.
7. Cho S, Lee EB. Surgical resection of chest wall tuberculosis. *Thorac Cardiovasc Surg* 2009;57:480-3.
8. Park JY, Lee WK, Jung DK, Choi JE, Park TI, Lee EB, Cho S, Park JY, Cha SI, Kim CH, Kam S, Jung TH. Polymorphism in the FAS and FASL genes and Survival of Early Stage Non-small Cell Lung Cancer. *Clin Cancer Res*. 2009;15:1794-1800.
9. Lee YO, Kim DH, Kim CH, Park TI, Cho S. A rare tumor of the tracheobronchial tree: solitary squamous papilloma. *Thorac Cardiovasc Surg*. 2009;57:178-9.
10. Cho S, Lee S, Park KH, Sung SW, Jheon S. Transpleural perfusion with oxygenated perfluorocarbon increase systemic oxygenation. *Respirology*. 2009;14:695-700.
11. Cho S, Lee EB. [A follow-up of integrated positron emission tomography/computed tomography after curative resection of non-small-cell lung cancer in asymptomatic patients.](#) *J Thorac Cardiovasc Surg*. 2010;139:1447-51.
12. Cho S, Kim JW, Lee H, Lee EB. [Intramural hematoma of gastric tube after Ivor Lewis operation.](#) *Ann Thorac Surg*. 2010 Jun;89(6):2016-7.
13. Lee EB, Jeon HS, Yoo SS, Choi YY, Kang HG, Cho S, Cha SI, Choi JE, Park TI, Lee BH, Park RW, Kim IS, Kang YM, Kim CH, Jheon S, Jung TH, Park JY. Polymorphisms in Apoptosis-Related Genes and Survival of Patients with Early-Stage Non-Small-Cell Lung Cancer. *Ann Surg Oncol*. 2010;17:2600-18.
14. Lee EB, Jin G, Lee SY, Park JY, Kim MJ, Choi JE, Jeon HS, Cha SI, Cho S, Kim CH, Park TI, Jung TH, Son JW, Park JY. TP53 mutations in Korean patients with non-small cell lung cancer. *J Korean Med Sci*. 2010;25(5):698-705.
15. Cho S, Ryu KM, Hwang YG, Lee EB. Prognostic factors for pulmonary metastasectomy in the treatment of hepatocellular carcinoma. *J Thorac Oncol* 2010;5(8): 1251-4.
16. Cho S, Lee EB. Management of primary and secondary pneumothorax using a small-bore thoracic catheter. *Interact Cardiovasc Thorac Surg* 2010;11:146-9
17. Kim M, Kang HG, Lee SY, Lee HC, Lee EB, Choi YY, Lee WK, Cho S, Jin G, Jheon HS, Son JW, Lee MH, Jung DK, Cha SI, Kim CH, Kang YM, Kam S, Jung TH, Jheon S, Park JY.

- Comprehensive analysis of DNA repair gene polymorphism and survival in patients with early stage non-small cell lung cancer. *Cancer Sci* 2010;101:2436-42.
18. Lee SY, Kim MJ, Jin G, Yoo SS, Park JY, Choi JE, Jeon HS, Cho S, Lee EB, Cha SI, Park TI, Kim CH, Jung TH, Park JY. Somatic mutations in epidermal growth factor receptor signaling pathway genes in non-small cell lung cancers. *J Thorac Oncol.* 2010;5:1734-40.
 19. Choi JY, Jung KY, Lee JS, Cho S, Jheon S, Lim JO. Fabrication and In vivo evaluation of the electrospun small diameter vascular grafts composed of elastin/PLGA/PCL and Heparin-VEGF. *Tissue Engineering and Regenerative Medicine* 2010;7:149-54.
 20. Kim DS, Lee JY, Lee SM, Choi JE, Cho S, Park JY. Promoter methylation of the RGC32 gene in nonsmall cell lung cancer. *Cancer* 2011;117:590-6
 21. Cho S, Do YW, Lee EB. Comparison of costs for video-assisted thoracic surgery lobectomy and open lobectomy for non-small cell lung cancer. *Surg Endosc* 2011;25:1054-61
 22. Jin G, Yoo SS, Cho S et al. Dual roles of a variable number of tandem repeat polymorphism in the TERT gene in lung cancer. *Cancer Sci* 2011;102:144-9
 23. Cho S, Kim MJ, Choi YY et al. Associations between polymorphisms in DNA repair genes and TP53 mutations in non-small cell lung cancer. *Lung Cancer* 2011;73:25-31.
 24. Yang HC, Han J, Lee S et al. Evaluation of decortications in patients with chronic tuberculous empyema by three-dimensional computed tomography densitometry. *Thorac Cardiovasc Surg* 2013;61:159-66.
 25. Jheon S, Yang HC, Cho S. Video-assisted thoracic surgery for lung cancer. *Gen Thorac Cardiovasc Surg.* 2012;60(5):255-60
 26. Yang HC, Cho S, Jheon S. Single-incision thoracoscopic surgery for primary spontaneous pneumothorax using the SILS port compared with conventional three-port surgery. *Surg Endosc.* 2013;27(1):139-45
 27. Jin G, Bae EY, Yang E, Lee EB, Lee WK, Choi JE, Jeon HS, Yoo SS, Lee SY, Lee J, Cha SI, Kim CH, Cho S, Jheon S, Park JY. A functional polymorphism on chromosome 15q25 associated with survival of early stage non-small-cell lung cancer. *J Thorac Oncol.* 2012;7(5):808-14
 28. Cho JS, Kim YD, Shin N, Lee CH, Cho S, Jheon S. Effect of transpleural perfusion with oxygenated perfluorocarbon in a rat model of acute lung injury. *Exp Lung Res.* 2013;39(1):32-8.
 29. Cho S, Song IH, Yang HC, Jheon S. Prognostic factors of pulmonary metastasis from colorectal carcinoma. *Interact Cardiovasc Thorac Surg.* 2013;17(2):303-7
 30. Seok Y, Jheon S, Cho S. Serial changes in pulmonary function after video-assisted thoracic surgery lobectomy in lung cancer patients. *Thorac Cardiovasc Surg.* 2014 Mar;62(2):133-9
 31. Cho S, Song IH, Yang HC, Kim K, Jheon S. Predictive factors for node metastasis in patients with clinical stage I non-small cell lung cancer. *Ann Thorac Surg.* 2013 Jul;96(1):239-45
 32. Song IH, Yeom SW, Heo S, Choi WS, Yang HC, Jheon S, Kim K, Cho S. Prognostic factors for post-recurrence survival in patients with completely resected Stage I non-small-cell lung cancer. *Eur J Cardiothorac Surg.* 2014 Feb;45(2):262-7
 33. Cho S, Yang H, Kim K, Jheon S. Pathology and prognosis of persistent stable pure ground-glass opacity nodules after surgical resection. *Ann Thorac Surg.* 2013 Oct;96(4):1190-5
 34. Seok Y, Cho S, Lee JY, Yang HC, Kim K, Jheon S. The effect of postoperative change in bronchial angle on postoperative pulmonary function after upper lobectomy in lung cancer patients. *Interact Cardiovasc Thorac Surg.* 2014 Feb;18(2):183-8
 35. Sung N, Back S, Jung J, Kim KH, Kim JK, Lee JH, Ra Y, Yang HC, Lim C, Cho S, Kim K, Jheon S. Inactivation of multidrug resistant (MDR)- and extensively drug resistant (XDR)-Mycobacterium tuberculosis by photodynamic therapy. *Photodiagnosis Photodyn Ther.* 2013 Dec;10(4):694-702
 36. Kim Y, Hammerman PS, Kim J, Yoon JA, Lee Y, Sun JM, Wilkerson MD, Peadamallu CS, Cibulskis K, Yoo YK, Lawrence MS, Stojanov P, Carter SL, McKenna A, Stewart C, Sivachenko AY, Oh IJ, Kim HK, Choi YS, Kim K, Shim YM, Kim KS, Song SY, Na KJ, Choi YL, Hayes DN, Kim J, Cho S, Kim YC, Ahn JS, Ahn MJ, Getz G, Meyerson M, Park K. Integrative and comparative genomic analysis of lung squamous cell carcinomas in East Asian patients. *J Clin Oncol.* 2014 Jan 10;32(2):121-8

37. Song IH, Yum S, Choi W, Cho S, Kim K, Jheon S, Yang HC. Clinical application of single incision thoracoscopic surgery: early experience of 264 cases. *J Cardiothorac Surg*. 2014 Mar 8;9:44.
38. Seok Y, Yang HC, Kim TJ, Lee KW, Kim K, Jheon S, Cho S. Frequency of lymph node metastasis according to the size of tumors in resected pulmonary adenocarcinoma with a size of 30 mm or smaller. *J Thorac Oncol*. 2014 Jun;9(6):818-24
39. Seok Y, Cho S, Kim K, Jheon S. Partly solid pulmonary nodules: waiting for change or surgery outright? *Interact Cardiovasc Thorac Surg*. 2014 Oct;19(4):556-60
40. Song IH, Cho S, Yang HC, Jheon S. The Role of Maximum Standardized Uptake Value in PET/CT as a Prognostic Factor in Patients with Resected Esophageal Squamous Cell Carcinoma. *Thorac Cardiovasc Surg*. 2015 Jun;63(4):335-40
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42. Cho J, Ko SJ, Kim SJ, Lee YJ, Park JS, Cho YJ, Yoon HI, Cho S, Kim K, Jheon S, Lee JH, Lee CT. Surgical resection of nodular ground-glass opacities without percutaneous needle aspiration or biopsy. *BMC Cancer*. 2014 Nov 18;14:838
43. Kim SJ, Lee YJ, Park JS, Cho YJ, Cho S, Yoon HI, Kim K, Lee JH, Jheon S, Lee CT. Changes in pulmonary function in lung cancer patients after video-assisted thoracic surgery. *Ann Thorac Surg*. 2015 Jan;99(1):210-7
44. Lee S, Kim HR, Cho S, Huh DM, Lee EB, Ryu KM, Cho DG, Paik HC, Kim DK, Lee SH, Cho JS, Lee JI, Choi H, Kim K, Jheon S; Korean Pneumothorax Study Group. Staple line coverage after bullectomy for primary spontaneous pneumothorax: a randomized trial. *Ann Thorac Surg*. 2014 Dec;98(6):2005-11
45. Na SS, Aldonza MB, Sung HJ, Kim YI, Son YS, Cho S, Cho JY. Stanniocalcin-2 (STC2): A potential lung cancer biomarker promotes lung cancer metastasis and progression. *Biochim Biophys Acta*. 2015 Jun;1854(6):668-76
46. Yang HC, Kim HR, Jheon S, Kim K, Cho S, Ahn S, Lee HY, Chung JH, Chung KY, Bae MK, Park SY, Kim DK, Choi SH, Zo JI, Kim MS, Lee JM, Kim J, Shim YM, Na KJ, Yun JS, Park JY. Recurrence Risk-Scoring Model for Stage I Adenocarcinoma of the Lung. *Ann Surg Oncol*. 2015 Nov;22(12):4089-97
47. Jin Y, Sun PL, Park SY, Kim H, Park E, Kim G, Cho S, Kim K, Lee CT, Chung JH. Frequent aerogenous spread with decreased E-cadherin expression of ROS1-rearranged lung cancer predicts poor disease-free survival. *Lung Cancer*. 2015 Sep;89(3):343-9
48. Park S, Cho S, Yum SW, Kim K, Jheon S. Comprehensive analysis of metastatic N1 lymph nodes in completely resected non-small-cell lung cancer. *Interact Cardiovasc Thorac Surg*. 2015 Nov;21(5):624-9
49. Kim SJ, Ahn S, Lee YJ, Park JS, Cho YJ, Cho S, Yoon HI, Kim K, Lee JH, Jheon S, Lee CT. Factors associated with preserved pulmonary function in non-small-cell lung cancer patients after video-assisted thoracic surgery. *Eur J Cardiothorac Surg*. 2016 Apr;49(4):1084-90
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51. Kim MS, Yang HC, Bae MK, Cho S, Kim K, Jheon S. Single-Port Video-Assisted Thoracic Surgery for Secondary Spontaneous Pneumothorax: Preliminary Results. *Korean J Thorac Cardiovasc Surg*. 2015 Dec;48(6):387-92.
52. Yang HC, Lee JY, Ahn S, Cho S, Kim K, Jheon S, Kim JS. Pain control of thoracoscopic major pulmonary resection: is pre-emptive local bupivacaine injection able to replace the intravenous patient controlled analgesia? *J Thorac Dis*. 2015 Nov;7(11):1960-9
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55. Ihn MH, Kim DW, Cho S, Oh HK, Jheon S, Kim K, Shin E, Lee HS, Chung JH, Kang SB. Curative Resection for Metachronous Pulmonary Metastases from Colorectal Cancer: Analysis of Survival Rates and Prognostic Factors. *Cancer Res Treat.* 2017 Jan;49(1):104-115
56. Yi E, Kim D, Cho S, Kim K, Jheon S. Clinical outcomes of cytoreductive surgery combined with intrapleural perfusion of hyperthermic chemotherapy in advanced lung adenocarcinoma with pleural dissemination. *J Thorac Dis.* 2016 Jul;8(7):1550-60
57. Yang HC, Kim S, Yum S, Cho S, Kim K, Jheon S. Learning curve of single-incision thoracoscopic surgery for primary spontaneous pneumothorax. *Surg Endosc.* 2017 Apr;31(4):1680-1687.
58. Lee SY, Kang HG, Choi JE, Jung DK, Lee WK, Lee HC, Lee SY, Yoo SS, Lee J, Seok Y, Lee EB, Cha SI, Cho S, Kim CH, Lee MH, Park JY. Polymorphisms in cancer-related pathway genes and lung cancer. *Eur Respir J.* 2016 ct;48(4):1184-1191
59. Lee S, Kang HG, Choi JE, Lee JH, Kang HJ, Baek SA, Lee E, Seok Y, Lee WK, Lee SY, Yoo SS, Lee J, Cha SI, Kim CH, Cho S, Park JY. The Different Effect of VEGF Polymorphisms on the Prognosis of Non-Small Cell Lung Cancer according to Tumor Histology. *J Korean Med Sci.* 2016 Nov;31(11):1735-1741.
60. Cho S. The necessity of mediastinal lymph node resection for screen-diagnosed non-small cell lung cancer (NSCLC) manifesting as subsolid nodule. *J Thorac Dis.* 2016 Sep;8(9):E1079-E1081.
61. Lee SY, Jin CC, Choi JE, Hong MJ, Jung DK, Do SK, Baek SA, Kang HJ, Kang HG, Choi SH, Lee WK, Seok Y, Lee EB, Jeong JY, Shin KM, Cho S, Yoo SS, Lee J, Cha SI, Kim CH, Lee YM, Lee IK, Jheon S, Park JY. Genetic polymorphisms in glycolytic pathway are associated with the prognosis of patients with early stage non-small cell lung cancer. *Sci Rep.* 2016 Oct 21;6:35603
62. Na BS, Park S, Cho S. Elevated Carbohydrate Antigen 19-9 Level in a Patient with Horseshoe Type Pulmonary Sequestration. *Korean J Thorac Cardiovasc Surg.* 2016 Dec;49(6):475-477
63. Jiwangga D, Cho S, Kim K, Jheon S. Recurrence Pattern of Pathologic Stage I Lung Adenocarcinoma With Visceral Pleural Invasion. *Ann Thorac Surg.* 2017 Apr;103(4):1126-1131.
64. Jang HJ, Cho S, Kim K, Jheon S, Yang HC, Kim DK. Effect of Adjuvant Chemotherapy after Complete Resection for Pathologic Stage IB Lung Adenocarcinoma in High-Risk Patients as Defined by a New Recurrence Risk Scoring Model. *Cancer Res Treat.* 2017 Jan 18.
65. Shin KW, Cho S, Chung JH, Lee KW, Lee CT, Kim K, Jheon S. Comparison of Prognosis of Solid and Part-Solid Node-Negative Adenocarcinoma With the Same Invasive Component Size. *Ann Thorac Surg.* 2017 May;103(5):1654-1660.
66. Seo DH, Cho S. Multiple Thymoma with Myasthenia Gravis. *Korean J Thorac Cardiovasc Surg.* 2017 Feb;50(1):68-70
67. Lee WK, Lee SY, Choi JE, Seok Y, Lee EB, Lee HC, Kang HG, Yoo SS, Lee MH, Cho S, Jheon S, Kim YC, Oh IJ, Na KJ, Jung CY, Park CK, Kim MH, Lee MK, Park JY. Development of a prognosis-prediction model incorporating genetic polymorphism with pathologic stage in stage I non-small cell lung cancer: A multicenter study. *Thorac Cancer.* 2017 May;8(3):251-259.
68. Yoo SS, Kang HG, Choi JE, Do SK, Lee WK, Choi SH, Lee SY, Lee SY, Lee J, Cha SI, Kim CH, Seok Y, Lee E, Kim MS, Lee JM, Cho HJ, Oh IJ, Kim YC, Cho S, Jheon S, Jung CY, Kim MH, Lee MK, Park JY. Effects of polymorphisms identified in genome-wide association studies of never-smoking females on the prognosis of non-small cell lung cancer. *Cancer Genet.* 2017 Apr;212-213:8-12.
69. Aldonza MBD, Son YS, Sung HJ, Ahn JM, Choi YJ, Kim YI, Cho S, Cho JY. Paraoxonase-1 (PON1) induces metastatic potential and apoptosis escape via its antioxidative function in lung cancer cells. *Oncotarget.* 2017 Apr 12
70. . Cho S, Kim K, Jheon S. Characteristics and prognostic factors of node-negative non-small cell lung cancer larger than 5 cm†. *Interact Cardiovasc Thorac Surg.* 2017 May 29.