

Curriculum Vitae

Name: Chang Hyun Kang

Title: M.D., Ph.D.

Position: Professor

Institution: Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine.

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Speciality: General Thoracic Surgery

Work experience

Dates	Institution	
2015 - present	Seoul National University College of Medicine	Professor
2009 - 2015	Seoul National University Hospital	Associate professor
2008 - 2009	Toronto General Hospital, Ontario, Canada	Research fellow
2004 - 2009	Seoul National University Hospital	Assistant professor
2003 - 2004	Sejong General Hospital	Attending Surgeon
2002 - 2003	Seoul National University Hospital	Clinical fellow
2000 - 2002	Central military hospital, Seongnam	Medical officer
1995 - 1999	Seoul National University Hospital	Resident physician
1994 - 1995	Seoul National University Hospital	Intern physician

Education

Dates	Institution	Degree	Major
2002 – 2005	Seoul National University College of Medicine	Degree of Ph.D., 2005	Cardiothoracic Surgery
1996 - 1999	Seoul National University College of Medicine	Degree of Master, 1999	Cardiothoracic Surgery

1988 – 1994	Seoul National University College of Medicine	Degree of Bachelor, 1994	Clinical Medicine
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Board Certification

Korean Board of Thoracic and Cardiovascular Surgery 1999

Membership

Member of Korean Society of Cardiothoracic Surgery
Member of Korean Society of Thoracic Surgical Oncology
Member of Korean Society of Lung Cancer
Member of Korean Bronchoesophageal Society
Member of European Society of Thoracic Surgeons

Seoul National University Hospital administration

Cardiopulmonary intensive care unit, head 2014
Student education committee, department staff surgeon 2014-2015
Division of pediatric thoracic and cardiovascular surgery, chief 2013-2018
Quality assurance committee 2010-2013
Lung cancer center, secretary 2010-2016
Lung transplantation committee, secretary 2012-2013
Department of Thoracic and Cardiovascular surgery, secretary 2011-2013
Member of IRB, Seoul National University Hospital 2010-2016

Extramural administration

The Korean Society of Thoracic Surgical Oncology
International committee, chief 2020-2021
Program committee, chief 2016-2018
Science committee, chief 2014-2016
Publication committee, chief 2011-2014
The Korean Society of Thoracic and Cardiovascular Surgery
Publication committee, chair 2020-2022
Program committee, deputy chair 2009-2019
Member of board 2015-2022
The Korean Bronchoesophagological Society
Planning committee, chief 2020-2021
Publication committee, chief 2011-2013

Program committee, chief	2017-2019
Member of board	2013-present
National Evidence-based Healthcare Collaborating Agency	
Medical Consultant	2012-2013
Ministry of Health and Welfare	
Medical device committee, consultant	2013-2015
Editorial board of Journal of Thoracic disease	2016-present
Editorial board of VATS journal	2016-present
Korean Study Group of Robotic Thoracic Surgery, vice president	2015-2022
Korean Study Group of Robotic Thoracic Surgery, president	2022-present

Invited Lecture

1. Kang CH, Postoperative empyema in thoracic surgery, 2006, Bulgok seminar in Bondang Seoul National University Hospital, Seongnam, Korea.
2. Kang CH, Surgical treatment of early lung cancer. 2008. Bulgok seminar in Bondang Seoul National University Hospital. 2008, Seongnam, Korea.
3. Kang CH, VATS in children, VATS symposium, Samsung medical center, 2008, Seoul Korea
4. Kang CH, Surgical treatment of pulmonary tuberculosis, Korean Society of pulmonary tuberculosis, 2009, Seoul, Korea.
5. Kang CH, Oncologic perspective of VATS lobectomy, Annual meeting of Korean Association of Thoracic Surgical Oncology. Aug 10th 2010, Seoul, Korea.
6. Kang CH, Update in lung cancer staging, Annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. 2010, Seoul, Korea.
7. Kang CH. Thoracoscopic surgery in upper mediastinum and esophagus, Annual meeting of Korean Bronchoesophagological Society. 2010, Seoul, Korea.
8. Kang CH. Controversial case; Multifocal GGO. Asian thoracic surgical club, Sep 1st-2nd 2011, Busan, Korea.
9. Kang CH. The gene expression profile in DCD lung transplantation. Organ transplantation center symposium, Seoul National University Hospital, Mar 25th 2011, Seoul, Korea.
10. Kang CH. Surgery in T4 lung cancer. Postgraduate symposium, Korean Society of Thoracic and Cardiovascular Surgery. Nov 7th -8th 2011, Busan, Korea.
11. Kang CH. Preoperative evaluation and staging for esophageal cancer. Educational symposium, Korean Society of Thoracic and Cardiovascular Surgery, Jun 3rd 2011, Cheonan, Korea.
12. Kang CH. Lymphadenectomy in esophageal cancer. Update symposium, Update symposium, Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital,

Nov 26th 2011, Seoul, Korea

13. Kang CH. Surgical management of ground-glass opacity; trend in Korea. Bulgok seminar in Bondang Seoul National University Hospital, 2011, Seongnam, Korea.
14. Kang CH. Mediastinal lymph node dissection. Educational symposium, Korean Society of Lung cancer. 2011, Seoul, Korea.
15. Kang CH. Terminology issue in VATS lobectomy. The 2nd Korea-Japan VATS summit. Sep 18th 2011, Seongnam Korea.
16. Kang CH. VATS segmentectomy in lung cancer. Asian Thoracoscopy Education Program, 16th-17th Mar 2012. Shagnhai, China.
17. Kang CH. Lung transplantation in SNUH. Heart and Lung transplantation symposium, Seoul National University Hospital, 30th Mar, 2012. Souel, Korea.
18. Kang CH. Update on thymectomy in myasthenia gravis. The 12th SNUH symposium on neuro-muscular disease. 26th Aug 2012, Seoul, Korea.
19. Kang CH. Mangement of multifocal GGO. Annual meeting of Korean Association of Thoracic Surgical Oncology. Sep 7th 2012, Seoul, Korea.
20. Kang CH. Nutritional consideration for esophageal surgery. The 10th nutritional support team workshop. Seoul National University hospital, Korean Society for Parenteral and Enteral Nutrition, 27th Oct 2012, Seoul, Korea.
21. Kang CH. Robot-assisted thymectomy. Postgraduate symposium, Korean Society of Thoracic and Cardiovascular Surgery. 3rd Nov 2012, Busan, Korea.
22. Kang CH. Update in esophageal cancer surgery; Report on ISDE 2012. Annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. 1st – 2nd Nov 2012, Busan, Korea.
23. Kang CH. Robot-assisted anterior mediastinal tumor surgery. Robot surgery symposium, Samsung medical center, 23th Nov 2012, Seoul, Korea.
24. Kang CH. Update on thymectomy in myasthenia gravis. Update symposium, Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital. Dec 24th 2012. Seoul, Korea
25. Kang CH. Robot-assisted esophageal cancer surgery. 2013 update of cancer research and treatment. Seoul National University Cancer Hospital, Apr 12-13th 2013, Seoul, Korea.
26. Kang CH. Tracheal release maneuvers in tracheal surgery and mediastinal tracheostomy. Annual meeting of Korean Bronchoesophagological Society, 13th Apr 2013, Seoul, Korea.
27. Kang CH. Robot surgery in general thoracic surgery. Bulgok seminar in Bondang Seoul National University Hospital, 26th Apr 2013. Seongnam, Korea.
28. Kang CH. Morphologic assessment of congenital chest wall deformity. 5th International chest wall interest group workshop on chest wall diseases, 13th-15th Jun. 2013 Seoul, Korea.
29. Kang CH. Thoracoscopic metastasectomy; controlling multiplicity. The 5th Asian Pacific

Congress on Bronchology and Interventional Pulmonology, Jul 12th – 14th 2013, Seoul, Korea.

30. Kang CH. Management of advanced thymic malignancy. Annual Meeting of Korean Society of Thoracic Oncology, Sep 6th 2013. Seoul, Korea.
31. Kang CH. Robot assisted thymectomy in anterior mediastinal tumor. Asian Thoracic Surgical Club, Sep 21th 2013, Shanghai, China.
32. Kang CH. VATS lobectomy in children. Asian Thoracic Surgical Club, Sep 21th 2013, Shanghai, China.
33. Kang CH. Thoracotomy should be performed in lung cancer with nodal metastasis. ISMICS 2013 Winter Workshop. Nov 9th 2013, Seoul, Korea.
34. Kang CH. Role of limited resection in the patients with poor lung function. Korean Association for Clinical Oncology, Nov 31st 2013, Seoul, Korea.
35. Kang CH. Live surgery of VATS lobectomy. Asian Thoracoscopy Education Program, Jan 17th 2014, Osong, Korea.
36. Kang CH. Robot-assisted surgery in esophageal disease. Japan Robot Surgery Society. Feb 21th 2014, Fukuoka, Japan.
37. Kang CH. Minimally invasive esophagectomy; experience in Seoul National University Hospital. 2014 The 4th Esophageal Cancer Symposium. 18th October, Seoul, Korea
38. Kang CH. Current trends in esophageal cancer management (2014 ISDE). 2014 The 4th Esophageal Cancer Symposium. 18th October, Seoul, Korea.
39. Kang CH. Robotic esophagectomy: various approaches and technical issues. Robot surgery symposium in Samsung Seoul Hospital. Apr 24 2015, Seoul, Korea.
40. Kang CH. Thoracoscopic segmentectomy. Minimally invasive surgery symposium in Zhongshan Hospital, May 15 2015, Shanghai, China
41. Kang CH. Minimally invasive esophagectomy - three field. West meets East. The 23rd International Congress of the European Association for Endoscopic Surgery. June 5, 2015. Bucharest, Romania.
42. Kang CH. Robot-assisted thymectomy in Seoul National University Hospital. The 30th annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. 07th Aug 2015, Seoul, South Korea.
43. Kang CH. Robot-assisted thoracic surgery. The 50th Anniversary symposium in Chonnam National University. 12th Sep 2015, Kwangju, Chonranamdo, South Korea.
44. Kang CH. ERAS in esophageal cancer surgery. The annual meeting of The Korean Society of Thoracic Surgical Oncology. 16th Oct, 2015, Seoul, South Korea.
45. Kang CH. Multi-center database on thymic epithelial tumors in South Korea. The 6th International Thymic Malignancy Interest Group Annual Meeting Oct 23-25 2015, Shanghai,

China.

46. Kang CH. Writing papers in thoracic surgery. The Update Symposium in Seoul National University Hospital. 5th Dec 2015, Seoul, South Korea.
47. Kang CH. Multi-disciplinary treatment in esophageal cancer. The 5th anniversary symposium in SNUH cancer hospital. 25th Mar 2016, Seoul, South Korea
48. Kang CH. Starting robotic surgery in general thoracic surgery. Asan robot surgery symposium. Seoul Asan hospital. 20th Jan 2016, Seoul, South Korea.
49. Kang CH. Mediastinal lymph node dissection for head and neck surgeons. Annual meeting of Korean Society of Bronchoesophagology. 15th Apr 2016, Seoul, South Korea.
50. Kang CH. Treatment of recurrent lung cancer. Annual Meeting of Korean Society of Lung Cancer, 24th Jun 2016, Pusan, South Korea.
51. Kang CH. Surgical treatment of congenital lung malformation. The 223rd monthly meeting of Korean Academy of Pediatric Allergy and Respiratory Disease. 28th Jun 2016, St. Mary's Hospital, Seoul, South Korea.
52. Kang CH. The practical point of lung cancer surgery. 2016 Symposium of Division of Respiratory Medicine SNUH. 10th Oct 2016, Seoul National University Hospital. Seoul, South Korea.
53. Kang CH. Korean experience: Robotic thymectomy in thymic epithelial tumor. The 1st Asian Tour of CRSA Worldwide Congress, 7th Oct 2016, Daegu, South Korea.
54. Kang CH. Advanced robotic assisted surgery for esophageal cancer. The 1st Asian Tour of CRSA Worldwide Congress, 7th Oct 2016, Daegu, South Korea.
55. Kang CH. Robotic thoracic surgery in South Korea. The 40th anniversary symposium of Chang Gung memorial hospital. 26th Nov. 2016, Taipei, Taiwan.
56. Kang CH. Totally robotic esophagectomy in esophageal cancer. The ASCVTS annual meeting 2017 Mar. Seoul, South Korea
57. Kang CH. Surgery in advanced thymic epithelial tumor. Asian Thoracic Surgical Club 2017 Sep. Cheju, South Korea.
58. Kang CH. Totally robotic esophagectomy in esophageal cancer: How to do it. The 68th annual meeting of Korean Society of tracheoesophageal disease.
59. Kang CH. Comparison of Thoracoscopic and Robotic minimally invasive esophagectomy. The 3rd Asian Congress of Robotic and Endoscopic Surgery 2017 Sep. Taipei, Taiwan.
60. Kang CH. Robotic-assisted thymectomy. The 3rd Asian Congress of Robotic and Endoscopic Surgery 2017 Sep. Taipei, Taiwan.
61. Kang CH. Robotic subxiphoid thymectomy. Innovation in Thoracic Surgery; Single Port VATS. 2018 Mar Seoul, South Korea.
62. Kang CH. Contribution of robotic surgery in esophageal cancer treatment. Zhongshan

- international thoracic surgery symposium, 2018 May, Shanghai, China
63. Kang CH. Robotic lobectomy in lung cancer. Annual meeting of Korean Association of Lung Cancer. 2018 Jun, Yangpyung, South Korea.
 64. Kang CH. Lung cancer in modern times. Refreshment program of Ethicon. 2018 Jul. Gonsiam, South Korea.
 65. Kang CH. Robotic esophagectomy in the era of multimodality treatment. 2018 Sep. Asan Cancer symposium. 2018 Sep. Seoul, South Korea.
 66. Kang CH. Robotic thymectomy. The annual meeting of ITMIG, Seoul South Korea, 26th Oct 2018
 67. Kang CH. Robotic esophagectomy and mediastinal lymph node dissection. Ruijin international thoracic surgery symposium. Shanghai, China, 16th Nov 2018
 68. Kang CH. Robotic subxiphoid thymectomy, International association of robotic and laproscopic surgery. Shanghai, China. 17th Nov 2018
 69. Kang CH. The policy of esophageal cancer surgery in Seoul National University Hospital. Severance esophageal cancer symposium. 2nd Mar 2019
 70. Kang CH. Consideration in neoadjuvant immunotherapy in lung cancer. The society of immunooncology. Seoul, South Korea. 8th Mar 2019
 71. Kang CH. Robotic esophagectomy in esophageal cancer. Innovation in Thoracic Surgery, Seoul, South Korea. 9th Mar 2019
 72. Kang CH. Robotic esophagectomy in Seoul National University Hospital. BUK symposium. Busan, South Korea. 22th Mar 2019
 73. Kang CH. Experience in robotic lung cancer surgery in Seoul National University Hospital. Robotic thoracic surgery study meeting. Seoul, South Korea. 5th Apr 2019.
 74. Kang CH. Robotic lymph node dissection in lung cancer. The 7th Asian Single Port VATS Symposium. Nagoya, Japan. 24th May 2019.
 75. Kang CH. Robotic subxiphoid thymectomy. The 7th Asian Single Port VATS Symposium. Nagoya, Japan. 25th May 2019.
 76. Kang CH. Robotic subxiphoid thymectomy. The 13th workshop of ATEP. Osong, South Korea. 1st Apr 2019.
 77. Kang CH. Anterolateral approach in robotic lung cancer surgery. The 4th Ruijin international thoracic surgery symposium. Shanghai, China, 20th July 2019
 78. Kang CH. Multidisciplinary decision making in SNUH. The 10th Asan cancer institute symposium 2019. Seoul, South Korea. 30th Aug 2019.
 79. Kang CH. Current issues in the minimally invasive esophagectomy. The 6th Esophageal cancer symposium. Seoul South Korea. 16th Nov 2019

80. Kang CH. Induction treatment in thymic epithelial tumor. The 5th Ruijin international thoracic surgery symposium. Shanghai, China. 25th Sep. 2020.
81. Kang CH. Robotic subxiphoid thymectomy. Clinical robotic surgery association India chapter 2nd Oct 2020
82. Kang CH. Transthoracic robotic esophagectomy. 2020 Asian Congress of robotic and laparoscopic surgery. Seoul, South Korea. 27th Nov 2020
83. Kang CH. Robotic subxiphoid thymectomy The 15th Annual international conference of association of minimal access surgeons in India. 20th Nov 2020
84. Kang CH. Robotic lobectomy in advanced lung cancer. The robotic study group webinar. Seoul South Korea. 19th Feb 2021
85. Kang CH. Totally robotic esophagectomy. The Korean Association of Thoracic Surgical Oncology. Apr 2021
86. Kang CH. Robotic segmentectomy and bronchoplasty. The 29th annual meeting of the Asian Society of Cardiovascular and Thoracic Surgery. 4th June 2021
87. Kang CH. Induction treatment in thymic epithelial tumor. The 29th annual meeting of the Asian Society of Cardiovascular and Thoracic Surgery. 4th June 2021
88. Kang CH. Totally robotic esophagectomy. The 29th annual meeting of the Asian Society of Cardiovascular and Thoracic Surgery. 4th June 2021
89. Kang CH. Neoadjuvant therapy in thymic tumor. The Annual Meeting of the Association of Thoracic and Cardiovascular Surgeons in Asia. 6th Nov 2021.
90. Kang CH. Robotic thymectomy. The Annual Meeting of the Korean Association for lung cancer. 25th Nov 2021.
91. Kang CH. Dissection along the recurrent laryngeal nerve in robotic esophagectomy. Harbin international Robotic Thoracic Surgery Conference. 17th Dec 2021.
92. Kang CH. Robotic thymectomy. The Annual Meeting of the Asian Society of Cardiovascular and Thoracic Surgery. 24th Mar 2022.
93. Kang CH. Esophageal and Mediastinal Disease. The Aging research center. 19th Apr 2022.
94. Kang CH. What I learned in esophageal cancer surgery. The Annual Meeting of Korean Society of Medical Oncology. 2nd Sep 2022
95. Kang CH. Robotic versus Open Esophagectomy. Ruijin International Thoracic Symposium. 24th Sep 2022
96. Kang CH. Minimally Invasive Esophagectomy in South Korea. Annual Meeting of World Conference of Endoscopic Surgery. 7th Oct 2022
97. Kang CH. From VATS to RATS. Webinar of Taiwan Society of Thoracic Surgery. 30th Nov

2022.

98. Kang CH. Robotic Thymectomy. Annual meeting of Taiwan Thoracic and Cardiovascular Surgery. 17th Dec 2022.

Presentation

1. Kang CH, YT Kim, JH Kim et al. Thoracoscopic Ivor-Lewis operation in esophageal cancer. Annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. 2007, Seoul, Korea.
2. Kang CH, YT Kim, JH Kim et al. Bulky nodal metastasis in non-small cell lung cancer; what is the prognostic indicator after neoadjuvant chemotherapy followed by surgical resection? ASCTS 2009, Seoul, Korea
3. Kang CH, Seong YW, Kim YT et al. Perioperative anxiety and depression in the patients with lung cancer. Annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. 2011, Seoul, Korea.
4. Kang CH, Kim HS, Hwang YH et al. Surgical treatment of FDG-PET/CT non-avid esophageal cancer: Absence of hypermetabolism does not preclude the metastatic potential of esophageal cancer. OESO Aug 26th-28th 2013. Paris, France.
5. Kang CH, Jeon JH, Hwang YH et al. Long-term result of robot-assisted esophagectomy for esophageal cancer: Technical feasibility and oncological reliability. World Conference on Lung Cancer. Oct 28th-30th 2013. Sydney, Australia
6. Kang CH, Jeon JH, Hwang YH et al. Evaluation of postoperative complication by Clavien-Dondo classification in thoracic surgery. Annual meeting of Korean Society of Thoracic and Cardiovascular Surgery. Nov 8th 2013, Seoul, Korea.
7. Kang CH, HS Kim, YH Hwang et al. Robot-assisted thymothymectomy in a patient with combined thymoma and thymic cyst. 22nd Annual meeting of European Conference on General thoracic Surgery. June 16 2014, Copenhagen, Denmark.
8. Kang CH et al. Extensive lymphadenectomy in esophageal squamous cell carcinoma increases long-term survival in spite of high incidence of vocal cord palsy. 14th world congress of the international society for diseases of the esophagus. Sep 22-24, Vancouver, Canada.
9. Kang CH et al. Current trend of robotic thoracic and cardiovascular surgery in Korea. The 46th Annual Meeting of The Korean Society of Thoracic and Cardiovascular Surgery. Oct 23 2014, Yeosu, Korea.
10. Kang et al. Surgical treatment of pulmonary artery sarcoma. The 23rd European Conference on General Thoracic Surgery. Lisbon, Portugal. June 2, 2015.
11. Kang et al. Risk factors of local recurrence and optimal length of esophagectomy in

esophageal cancer. The 53rd annual meeting of The Society of Thoracic Surgeons, Phoenix, Arizona, Jan 21-25 2016.

12. Kang et al. Robotic thymectomy in anterior mediastinal tumor: propensity score matching study with transsternal thymectomy The 53rd annual meeting of The Society of Thoracic Surgeons, Phoenix, Arizona, Jan 21-25 2016.
13. Kang et al. Robot assisted esophagectomy versus open esophagectomy in esophageal cancer: a propensity score matching study. ISDE, Singapore, Sep 19 2016.
14. Kang et al. Impact of Lymph node Dissection in Surgery for Thymic Malignancies: Multi-institutional-propensity Matched Analysis. The 48th Annual meeting of The Society of Korean Thoracic and Cardiovascular Surgery, 20th Oct 2016, Daegu, South Korea

Bibliography

1. Kang CH, Kim KB. The Cox-Maze Procedure for Atrial Fibrillation not Associated with Mitral Valve Disease: Report of three cases. Korean J Thorac Cardiovasc Surg 1998;31:1230-3. **(1st author)**
2. Sung SW, Kang CH, Kim YT, Han SK, Shim YS, Kim JH. Surgery increased the chance of cure in multi-drug resistant pulmonary tuberculosis. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 1999;16:187-93.
3. Kang CH, Kim KB, Son DW. Modification of the Cox-Maze Procedure for Atrial Fibrillation with Large Left Atrium: Development of Surgical Technique to Increase the Left Atrial Contractility. Korean J Thorac Cardiovasc Surg 1999;32:249-54. **(1st author)**
4. Sung SW, Kang CH, Kim YT, Kim JH. Surgical Management of Multidrug Resistant Pulmonary Tuberculosis. Korean J Thorac Cardiovasc Surg 1999;32:287-93.
5. Kang CH, Huh JH, Kim KB, et al. Effect of Serum magnesium Concentration on Postoperative Arrhythmias after Open Heart Surgery. Korean J Thorac Cardiovasc Surg 2000;33:51-9. **(1st author)**
6. Kim CY, Kang CH, Ahn H. Pulmonary Thromboendarterectomy Under Total Circulatory Arrest. Korean J Thorac Cardiovasc Surg 2002;35:684-7.
7. Kim KB, Kang CH, Chang WI, et al. Off-pump coronary artery bypass with complete avoidance of aortic manipulation. The Annals of thoracic surgery 2002;74:S1377-82.
8. Baek MJ, Na CY, Oh SS, et al. Pacemaker Lead Endocarditis Combined with Rupture of Sinus Valsalva after Redo Aortic Valve Replacement. Korean J Thorac Cardiovasc Surg 2003;36:780-3.
9. Baek MJ, Na CY, Oh SS, et al. Mitral Valve Repair for Active and Healed

- Endocarditis. Korean J Thorac Cardiovasc Surg 2003;36:820-7.
10. Kim JH, Kim WH, Chang Y, et al. Biventricular Repair of Double Outlet Right Ventricle with Non-Committed Ventricular Septal Defect by Arterial Switch: Report of 1 cases. Korean J Thorac Cardiovasc Surg 2003;36:687-90.
 11. Kim JH, Na CY, Kim WH, et al. Surgical Treatment of Postinfarction Posterobasal Left Ventricular Aneurysm: Report of 2 cases. Korean J Thorac Cardiovasc Surg 2003;36:975-8.
 12. Na CY, Oh SS, Kim SC, et al. Cabrol Technique Application in Off-pump Coronary Artery Bypass Grafting Using Radial Artery. Korean J Thorac Cardiovasc Surg 2003;36:630-2.
 13. Lee JR, Choi JS, Kang CH, Bae EJ, Kim YJ, Rho JR. Surgical results of patients with a functional single ventricle. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2003;24:716-22.
 14. Kang CH, Kim WH, Seo HJ, et al. Surgical Treatment of Anomalous Origin of Coronary Artery from the Pulmonary Artery: Postoperative Changes of Ventricular Dimensions and Mitral Regurgitation. Korean J Thorac Cardiovasc Surg 2004;37:19-26. **(1st author)**
 15. Kim HK, Kim YT, Sung SW, et al. Management of congenital tracheal stenosis. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2004;25:1065-71.
 16. Kang CH, Na CY, Seo HJ et al. Outcome of patch angioplasty for left main coronary ostial stenosis. Korean J Thorac Cardiovasc Surg 2004 Jan;37(01):56-63.
 17. Lee JR, Lee JH, Kang CH, Noh CI, Seo JW. Unilateral Pulmonary Vein Stenosis with Life-threatening Hemoptysis: A case report. Korean J Thorac Cardiovasc Surg 2005;38:725-8.
 18. Kang CH, Ahn H, Kim KH, Kim KB. Long-term result of 1144 CarboMedics mechanical valve implantations. The Annals of thoracic surgery 2005;79:1939-44. **(1st author)**
 19. Kang CH, Kim KB, Park CS, Paeng JC, Lee DS. Improvement of myocardial stress perfusion after off-pump revascularization using bilateral internal thoracic in situ grafts versus Y-composite grafts. The Annals of thoracic surgery 2005;79:93-8. **(1st author)**
 20. Kim KB, Kang CH, Lim C. Prediction of graft flow impairment by intraoperative transit time flow measurement in off-pump coronary artery bypass using arterial grafts. The Annals of thoracic surgery 2005;80:594-8.
 21. Kim YT, Kang CH, Sung SW, Kim JH. Local control of disease related to lymph node involvement in non-small cell lung cancer after sleeve lobectomy

- compared with pneumonectomy. The Annals of thoracic surgery 2005;79:1153-61; discussion -61.
22. Kim YT, Kim JS, Park JD, Kang CH, Sung SW, Kim JH. Treatment of congenital cystic adenomatoid malformation-does resection in the early postnatal period increase surgical risk? European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2005;27:658-61.
 23. Kim YT, Park SJ, Lee SH, et al. Prognostic implication of aberrant promoter hypermethylation of CpG islands in adenocarcinoma of the lung. The Journal of thoracic and cardiovascular surgery 2005;130:1378.
 24. Lee HJ, Kim YT, Kang CH, Kim JH. An accessory spleen misrecognized as an intrathoracic mass. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2005;28:640.
 25. Cho HY, Lee BS, Kang CH, et al. Hydrothorax in a patient with Denys-Drash syndrome associated with a diaphragmatic defect. Pediatric nephrology (Berlin, Germany) 2006;21:1909-12.
 26. Kang CH, Kim WG. The effect of vasopressin on organ blood flow in an endotoxin-induced rabbit shock model. Journal of investigative surgery : the official journal of the Academy of Surgical Research 2006;19:361-9. **(1st author)**
 27. Kim HJ, Kang CH, Kim YT, et al. Prognostic factors for surgical resection in patients with multidrug-resistant tuberculosis. The European respiratory journal : official journal of the European Society for Clinical Respiratory Physiology 2006;28:576-80.
 28. Lee JH, Kang CH, Kim YT, Kim JH. Video-assisted Diaphragm Plication in Children with Diaphragm Eventration Associated with Congenital Myopathy : Report of 2 Cases. Korean J Thorac Cardiovasc Surg 2006;39:725-8. **(corresponding author)**
 29. Kang CH, Kim YT, Jeon SH, Sung SW, Kim JH. Surgical treatment of malignant mediastinal neurogenic tumors in children. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2007;31:725-30. **(1st & corresponding author)**
 30. Kang CH, Kim YT, Jeon SH, Sung SW, Kim JH. Lymphadenectomy extent is closely related to long-term survival in esophageal cancer. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2007;31:154-60. **(1st & corresponding author)**
 31. Kim JH, Kang CH. Changing pattern of thoracic diseases in Korea over the last 25 years. Asian cardiovascular & thoracic annals 2007;15:365-6.
 32. Jang WS, Kang CH, Kim YT, Kim JH. Delayed Detection of a Penetrating Tracheal Foreign Body. Korean J Thorac Cardiovasc Surg 2007;40:384-7. **(corresponding**

- author)**
33. Kim DJ, Kang CH, Kim YT, Kim JH. Video-assisted First Rib Resection. Korean J Thorac Cardiovasc Surg 2007;40:463-6. **(corresponding author)**
 34. Kang CH, Kim YT, Jheon SH, Sung SW, Kim JH. Surgical treatment of malignant mediastinal nonseminomatous germ cell tumor. The Annals of thoracic surgery 2008;85:379-84. **(1st & corresponding author)**
 35. Kang CH, Ra YJ, Kim YT, Jheon SH, Sung SW, Kim JH. The impact of multiple metastatic nodal stations on survival in patients with resectable N1 and N2 nonsmall-cell lung cancer. The Annals of thoracic surgery 2008;86:1092-7. **(1st & corresponding author)**
 36. Kang MC, Kang CH, Lee HJ, Goo JM, Kim YT, Kim JH. Accuracy of 16-channel multi-detector row chest computed tomography with thin sections in the detection of metastatic pulmonary nodules. European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery 2008;33:473-9. **(corresponding author)**
 37. Kim YT, Han KN, Kang CH, Sung SW, Kim JH. Complete resection is mandatory for tubercular cold abscess of the chest wall. The Annals of thoracic surgery 2008;85:273-7.
 38. Kim YT, Kim TY, Lee DS, et al. Molecular changes of epidermal growth factor receptor (EGFR) and KRAS and their impact on the clinical outcomes in surgically resected adenocarcinoma of the lung. Lung cancer (Amsterdam, Netherlands) 2008;59:111-8.
 39. Park SJ, Kim YT, Park JY, et al. Detection of Serum Free DNA Hypermethylation in Surgically Resected Adenocarcinoma of the Lung. J Lung Cancer 2008;7:65-70.
 40. Kang CH, Jang BG, Kim DW, et al. Differences in the expression profiles of excision repair crosscomplementation group 1, x-ray repair crosscomplementation group 1, and betaIII-tubulin between primary non-small cell lung cancer and metastatic lymph nodes and the significance in mid-term survival. Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer 2009;4:1307-12. **(1st & corresponding author)**
 41. Kim HR, Kim TH, Chung JH, et al. The detection of peripheral lung cancer by MAGE A1-6 RT-nested PCR in bronchial washing specimens. Lung cancer (Amsterdam, Netherlands) 2009;65:166-9.
 42. Kim JH, Kang CH. The future of thoracoscopic lobectomy in lung cancer. Asian cardiovascular & thoracic annals 2009;17:131-2.
 43. Lee HJ, Kim YT, Kang WJ, Kang CH, Kim JH. Integrated positron-emission tomography for nodal staging in lung cancer. Asian cardiovascular & thoracic annals

- 2009;17:622-6.
44. Park EA, Goo JM, Lee JW, et al. Efficacy of computer-aided detection system and thin-slab maximum intensity projection technique in the detection of pulmonary nodules in patients with resected metastases. *Investigative radiology* 2009;44:105-13.
 45. Park EA, Lee HJ, Kim YT, et al. EGFR gene copy number in adenocarcinoma of the lung by FISH analysis: investigation of significantly related factors on CT, FDG-PET, and histopathology. *Lung cancer (Amsterdam, Netherlands)* 2009;64:179-86.
 46. Jang H-j, Kim JH, Kim YT, Kang CH. Primary Pulmonary Choriocarcinoma in the Lung: A case report. *Korean J Thorac Cardiovasc Surg* 2009;42:119-22.
(corresponding author)
 47. Kim YT, Park JY, Jeon YK, Park SJ, Song JY, Kang CH, Sung SW, Kim JH. Aberrant promoter CpG island hypermethylation of the adenomatosis polyposis coli gene can serve as a good prognostic factor by affecting lymph node metastasis in squamous cell carcinoma of the esophagus. *Dis Esophagus*. 2009;22(2):143-50.
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