

Curriculum Vitae



First Name: Joon Bum

Last Name: Kim

Current position: Professor, Dept. Thoracic and Cardiovascular Surgery, Asan Medical Center, Seoul, Korea

Gender: Male

Birth date: October 6, 1975

Birth place: Seoul, Republic of Korea

Citizenship: Republic of Korea

Language: Korean (native), English

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Education and Degrees:

2001: Yonsei University College of Medicine, Seoul, Korea (M.D.)

2008: Ulsan University College of Medicine, Seoul, Korea (M.S.)

2013: Ulsan University College of Medicine, Seoul, Korea (PhD)

License and Board status:

2001: Medical Licensure in Korea

2006: Board certification in Thoracic and Cardiovascular Surgery in Korea

Professional Training and Employment:

2001 to 2002 Internship in Asan Medical Center, Seoul, Korea

2002 to 2006 Residency in Thoracic and Cardiovascular Surgery, Asan Medical Center

2006 to 2009 Military service as a medical officer (mandatory)

2009 to 2011 Fellow of Cardiovascular Surgery, Asan Medical Center

2011 to 2016 Assistant Professor, Dept. Thoracic and Cardiovascular Surgery, Asan Medical Center

2016 to 2021 Associate Professor, Dept. Thoracic and Cardiovascular Surgery, Asan Medical Center

2022 to date Professor, Dept. Thoracic and Cardiovascular Surgery, Asan Medical Center

Apr 2014 to Apr 2015 American Association for Thoracic Surgery Ewart Graham Memorial Traveling Fellow

Apr 2014 to Feb 2015 Research Fellow in Division of Cardiac Surgery, Massachusetts General Hospital, Harvard Medical School

Feb 2015 Observership, Division of Cardiac Surgery, Cleveland Clinic

Mar 2015 Observership, Division of Cardiac Surgery, Herman Memorial Hospital, University of Texas

Director of Adult Cardiac Surgical ICU, Asan Medical Center (2011-2014)

Director of ECMO team, Asan Medical Center (2012-2014)

Director of CPB unit, Asan Medical Center (2017-2019)

Department Chief, Asan Medical Center (2019 to 2021)

Director of the Aortic Center, Asan Medical Center Heart Institute (2021 to date)

Clinical specialty:

Adult cardiovascular surgery

Aorta surgery
Minimally invasive cardiac surgery
Surgical ablation of atrial fibrillation
Valve sparing aortic root surgery
Thoracoabdominal aorta surgery

Membership

Korean Society of Thoracic & Cardiovascular Surgery (since 2003)
European Association for Cardio-Thoracic Surgery (since 2011)
American Heart Association (since 2012)
Asian Society for Cardiovascular and Thoracic Surgery (since 2015)
American Association for Thoracic Surgery (since 2017)

Editorial Board

Journal of Korean Medical Science (since 2015)
Journal of Thoracic and Cardiovascular Surgery (since 2018)
Journal of Thoracic Disease (since 2019)
Korean Journal of Thoracic and Cardiovascular Surgery (since 2019)
Asian Cardiovascular and Thoracic Annals (since 2020)
JACC Asia (since 2021)
Korean Circulation Journal (since 2022)

Awards Received

1. Young Investigator Award, the Korean Society for Thoracic and Cardiovascular Surgery, 2005
2. Institutional achievement award, Asan Medical Center, 2006
3. Excellent resident award, Asan Medical Center, 2006
4. Award for top seat pass of board examination, Korean Medical Association, 2006
5. LG Future Medical Researcher Award, LG Lifescience, 2011
6. 2012 AHA International Mentorship Travel Award, American Heart Association, 2012
7. Dr. C. Lillehei Merit Award for Excellence in Clinical Research, the Korean Society for Thoracic and Cardiovascular Surgery, 2012
8. Korean Coronary Symposium Best Paper Award, 2012 and 2013 (two consecutive years)
9. Doosan Yon-Kang Medical Research Award, Doosan Foundation, 2013
10. Institutional achievement award (Academic), Asan Medical Center, 2011, 2012 and 2013 (3 consecutive years)
11. Evart Graham Traveling Fellowship Award, American Association for Thoracic Surgery, 2014

12. Professor of the Year (Research), University of Ulsan College of Medicine, 2014

13. Asan Medical Award, 2016 (Young Medical Scientist)

14. 100 Next Generation Leaders in Korea, 2020 (Sisa Journal)

RESEARCH PUBLICATIONS (h-index=31, i10-index=100 as of Aug 2022)
(chronological order)

1. **JB Kim**, J Park, IS Park, SM Seo. Fontan Operation in a Case of Single Functional Pulmonary Artery. *Korean J Thorac Cardiovasc Surg* 2005;38:308-311. **(First author)**
2. **JB Kim**, H Moon, BM Choi, KH Lee, IC Choi, SI Park. Lateral Thoracic Expansion Surgery for Jeune's Syndrome. *Korean J Thorac Cardiovasc Surg* 2005;38:873-876. **(First author)**
3. **JB Kim**, J Park, SH Jung, IS Park, DM Seo. Successful Conversion Arterial Switch Operation after Palliative Senning Operation. *Korean J Thorac Cardiovasc Surg* 2006;039:140-144. **(First author)**
4. JP Jung, WC Cho, **JB Kim**, JW Lee. A Posterior Annuloplasty, Papillary Muscle Plication and Left Ventricle Reduction Through Left Ventriculotomy in Severe Ischemic Cardiomyopathy with Mitral Regurgitation. *Korean J Thorac Cardiovasc Surg* 2006;39:549-552.
5. Chung CH, **Kim JB**, Choo SJ, Kim KS, Song H, Song MG, Song JK, Kang DH, Lee JW. Long-term outcomes after mitral ring annuloplasty for degenerative mitral regurgitation: Duran ring versus Carpentier-Edwards ring. *J Heart Valve Dis.* 2007;16:536-45.
6. **Kim JB**, Park JJ, Ko JK, Goo HW, Kim YH, Park IS, Yun TJ, Seo DM. A case of PAGOD syndrome with hypoplastic left heart syndrome. *Int J Cardiol.* 2007;114:270-1. **(First author)**
7. Cho SB, **Kim JB**, Jung JY, Oh SH. Decreased tanning response after video-assisted thoracoscopic sympathectomy. *Arch Dermatol.* 2008;144:1240-1.
8. **Kim JB**, Yun TJ, Chung CH, Choo SJ, Song H, Lee JW. Long-term outcome of modified maze procedure combined with mitral valve surgery: analysis of outcomes according to type of mitral valve surgery. *J Thorac Cardiovasc Surg.* 2010;139:111-7. **(First author)**
9. **Kim JB**, Lee SH, Jung SH, Yun SC, Choo SJ, Chung CH, Song H, Lee JW. The influence of postoperative mitral valve function on the late recurrence of atrial fibrillation after the maze procedure combined with mitral valvuloplasty. *J Thorac Cardiovasc Surg.* 2010;139:1170-6. **(First author)**
10. **Kim JB**, Kim HJ, Moon DH, Jung SH, Choo SJ, Chung CH, Song H, Lee JW. Long-term outcomes after surgery for rheumatic mitral valve disease: valve repair versus mechanical valve replacement. *Eur J Cardiothorac Surg.* 2010;37:1039-46. **(First author)**
11. **Kim JB**, Lee SW, Park SI, Kim YH, Kim DK. Risk factor analysis for postoperative acute respiratory distress syndrome and early mortality after pneumonectomy: the predictive value of preoperative lung perfusion distribution. *J Thorac Cardiovasc Surg.* 2010;140:26-31. **(First author)**
12. G Kim, TY Lee, **JB Kim**, SH Lee, HJ Kim, WC Cho. Treating a Ruptured Ascending Aorta with an Endovascular Stent Graft. *Korean J Thorac Cardiovasc Surg* 2010;43:92-5.
13. G Kim, JW Lee, SH Jung, **JB Kim**, JP Jung. Completely Port-Accessed Atrial Septal Defect Patch Closure Using the da Vinci System. *Korean J Thorac Cardiovasc Surg* 2010;43:409-412.

14. Park WK, **Kim JB**, Choo SJ. Repair of Acute Post Infarction Mitral Regurgitation with Papillary Muscle Reimplantation - A case report - *Korean J Thorac Cardiovasc Surg.* 2011;44:285-7.
15. Ju MH, **Kim JB**, Kim HJ, Choo SJ. Refractory coronary artery spasm after minimally invasive direct coronary artery bypass grafting. *Korean J Thorac Cardiovasc Surg.* 2011;44:288-91.
16. Kim HJ, Lee TY, **Kim JB**, Cho WC, Jung SH, Chung CH, Lee JW, Choo SJ. The impact of sequential versus single anastomoses on flow characteristics and mid-term patency of saphenous vein grafts in coronary bypass grafting. *J Thorac Cardiovasc Surg.* 2011;141:750-4.
17. **Kim JB**, Ju MH, Yun SC, Jung SH, Chung CH, Choo SJ, Lee TY, Song H, Lee JW. Mitral valve replacement with or without a concomitant Maze procedure in patients with atrial fibrillation. *Heart.* 2010;96:1126-31. (First author)
18. **JB Kim**, WC Cho, SH Jung, CH Chung, SJ Choo, JW Lee. Alternative energy sources for surgical treatment of atrial fibrillation in patients undergoing mitral valve surgery: microwave ablation vs cryoablation. *J Korean Med Sci.* 2010;25:1467-72. (First author)
19. Lee JW, **Kim JB**. Surgical ablation of atrial fibrillation: Maze procedure. *J Cardiac Arrhythmia* 2010;11:26-29
20. Lee SH, **Kim JB**, Cho WC, Chung CH, Jung SH, Choo SJ, Lee JW. The influence of age on atrial fibrillation recurrence after the maze procedure in patients with giant left atrium. *J Thorac Cardiovasc Surg.* 2011;141:1015-9.
21. **Kim JB**, Kang JW, Song H, Jung SH, Choo SJ, Chung CH, Lee JW, Lim TH. Late improvement in graft patency after coronary artery bypass grafting: Serial assessment with multidetector computed tomography in the early and late postoperative settings. *J Thorac Cardiovasc Surg.* 2011;142:793-9. (First author)
22. **Kim JB**, Chung CH, Moon DH, Ha GJ, Lee TY, Jung SH, Choo SJ, Lee JW. Total arch repair versus hemiarch repair in the management of acute DeBakey type I aortic dissection. *Eur J Cardiothorac Surg.* 2011;40:881-7. (First author)
23. Cho WC, **Kim JB**, Jung SH, Lee SH, Chung CH, Choo SJ, Lee JW. Revascularization of the left anterior descending artery area using a single left internal thoracic artery: auto-Y composite grafting or sequential bypassing. *J Thorac Cardiovasc Surg.* 2011;142:1464-8.
24. **Kim JB**, Yoo DG, Kim GS, Song H, Jung SH, Choo SJ, Chung CH, Lee JW. Mild-to-moderate functional tricuspid regurgitation in patients undergoing valve replacement for rheumatic mitral disease: the influence of tricuspid valve repair on clinical and echocardiographic outcomes. *Heart.* 2012;98:24-30. (First author)
25. Park JJ, Lee SC, **Kim JB**, Seo DJ, Song JM, Yun SC, Yun TJ. Deterioration of mitral valve competence after the repair of atrial septal defect in adults. *Ann Thorac Surg.* 2011;92:1629-33.

26. **Kim JB**, Bang JH, Jung SH, Choo SJ, Chung CH, Lee JW. Left atrial ablation versus biatrial ablation in the surgical treatment of atrial fibrillation. *Ann Thorac Surg.* 2011;92:1397-404. **(First author)**
27. Cho WC, Yoo DG, **Kim JB**, Lee SH, Jung SH, Chung CH, Lee JW, Choo SJ. Left internal thoracic artery composite grafting with the right internal thoracic versus radial artery in coronary artery bypass grafting. *J Card Surg.* 2011;26:579-85.
28. Cho WC, Yoo DG, **Kim JB**, Lee JW, Choo SJ, Jung SH, Chung CH. Aortic Valve Replacement for Aortic Stenosis and Concomitant Coronary Artery Bypass: Long-term Outcomes and Predictors of Mortality. *Korean J Thorac Cardiovasc Surg.* 2011;44:131-6.
29. Kim GS, **Kim JB**, Jung SH, Yun TJ, Choo SJ, Chung CH, Lee JW. Surgical Management of Infective Endocarditis Complicated by Embolic Stroke: Early versus Delayed Surgery. *Korean J Thorac Cardiovasc Surg.* 2011;44:332-7.
30. Park WK, Lee JW, **Kim JB**, Jung SH, Choo SJ, Chung CH. Outcomes of Surgical Atrial Fibrillation Ablation: The Port Access Approach vs. Median Sternotomy. *Korean J Thorac Cardiovasc Surg.* 2012;45:11-8.
31. Ju MH, Kim HR, **Kim JB**, Kim YH, Kim DK, Park SI. Surgical outcomes in small cell lung cancer. *Korean J Thorac Cardiovasc Surg.* 2012;45:40-4.
32. Ma DS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Outcomes of venovenous extracorporeal membrane oxygenation support for acute respiratory distress syndrome in adults. *Korean J Thorac Cardiovasc Surg.* 2012;45:91-4. **(Corresponding author)**
33. Bang JH, Kim JW, Lee JW, **Kim JB**, Jung SH, Choo SJ, Chung CH. Minimally invasive approaches versus conventional sternotomy for aortic valve replacement: a propensity score matching study. *Korean J Thorac Cardiovasc Surg.* 2012;45(2):80-4.
34. Kim WJ, Kim YH, Lee JY, Park DW, Kang SJ, Lee SW, Lee CW, Kim DH, Song JM, Kang DH, Song JK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW, Sim JY, Choi IC, Park SW, Park SJ. Transcatheter aortic valve implantation: early experience in Korea. *Korean Circ J.* 2012;42:684-91.
35. **Kim JB**, Moon JS, Yun SC, Kim WK, Jung SH, Choo SJ, Song H, Chung CH, Lee JW. Long-term outcomes of mechanical valve replacement in patients with atrial fibrillation: impact of the maze procedure. *Circulation.* 2012;125:2071-80. **(First author)**
36. Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Impact of the maze procedure and postoperative atrial fibrillation on progression of functional tricuspid regurgitation in patients undergoing degenerative mitral repair. *Eur J Cardiothorac Surg.* 2013;43:520-5
37. **Kim JB**, Lee CH, Lee TY, Jung SH, Choo SJ, Lee JW, Chung CH. Descending aortic aneurysmal changes following surgery for acute DeBakey type I aortic dissection. *Eur J Cardiothorac Surg.* 2012;42:851-7. **(First author)**

38. **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee, JW. Clinical and echocardiographic outcomes following surgery for severe isolated tricuspid regurgitation. *J Thorac Cardiovasc Surg.* 2013;146:278-84 (**First author**)
39. Ro SK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Mild-to-moderate functional tricuspid regurgitation in patients undergoing mitral valve surgery. *J Thorac Cardiovasc Surg.* 2012;146:1092-1097
40. Chung JW, **Kim JB**, Jung SH, Choo SJ, Song H, Chung CH, Lee JW. Mid-term outcomes of total arterial revascularization versus conventional coronary surgery in isolated three-vessel coronary disease. *J Korean Med Sci.* 2012;27:1051-6.
41. Ro SK, **Kim JB**, Hwang SK, Jung SH, Choo SJ, Chung CH, Lee JW. Aortic root conservative repair of acute type A aortic dissection involving the aortic root: Fate of the aortic root and aortic valve function. *J Thorac Cardiovasc Surg.* 2012;146:1113-1118
42. **Kim JB**, Lee JW. Reply to Kestelli et al. *Eur J Cardiothorac Surg.* 2012;41:235-6. (**First author**)
43. Chong BK, **Kim JB**, Yun TJ. Simultaneous sternal reconstruction and tricuspid valve replacement in a patient with chronic osteomyelitis and absence of tricuspid valve. *J Thorac Cardiovasc Surg.* 2012;144:e16-8. (**Corresponding author**)
44. Kim HJ, **Kim JB**, Chung CH. Chronic sternum wound infection caused by Mycobacterium tuberculosis after cardiac surgery. *Ann Thorac Surg.* 2012;94:1332-5. (**Corresponding author**)
45. **Kim JB**, Yang DH, Kang J. Right aortic arch and an aberrant left subclavian artery arising from a Kommerell's diverticulum complicated by acute aortic dissection. *J Thorac Cardiovasc Surg.* 2012;144:978-9 (**First and Corresponding author**)
46. Park SJ, **Kim JB**, Chung CH. Isolated aortic root dilatation following sinotubular junction reduction using prosthetic rings. *Interact Cardiovasc Thorac Surg.* 2012;14:680-2.
47. Kim WK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Titanium plate fixation for a dehiscence sternum following coronary artery bypass grafting: a case report. *Korean J Thorac Cardiovasc Surg.* 2012 Apr;45(2):127-30. (**Corresponding author**)
48. Seo DJ, Kim JB. Tuberculous aortitis complicated with pseudoaneurysm formation in the descending thoracic aorta: a case report. *Korean J Thorac Cardiovasc Surg.* 2012;45:408-11. (**Corresponding author**)
49. Kim DH, Kim KS, **Kim JB**, Lee JW. Florida sleeve repair for aortic root aneurysm. *Korean J Thorac Cardiovasc Surg.* 2013;46:353-6.
50. **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Surgical outcomes of severe tricuspid regurgitation: predictors of adverse clinical outcomes. *Heart.* 2013;99:181-7 (**First author**)
51. **Kim JB**, Lee JW. The Authors' reply: Mild-to-moderate functional tricuspid regurgitation in patients undergoing valve replacement for rheumatic mitral disease: the influence of tricuspid valve repair

- on clinical and echocardiographic outcomes. *Heart*. 2013;99:145-6. **(First and Corresponding author)**
52. **Kim JB**, Lee JW. The Authors' reply - "Surgery for rheumatic mitral valve disease and the forgotten role of concomitant organic tricuspid valve impairment." *Heart*. 2013 Jan;99:145-6 **(First and Corresponding author)**
53. **Kim JB**, Chung CH. Reply to Ugur et al. *Eur J Cardiothorac Surg*. 2013;44:192 **(First author)**
54. Kim GS, Lee CH, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Echocardiographic evaluation of mitral durability following valve repair in rheumatic mitral valve disease: Impact of Maze procedure. *J Thorac Cardiovasc Surg*. 2014 ;147:247-53.
55. Park SJ, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Outcomes of extracorporeal life support for low cardiac output syndrome after major cardiac surgery. *J Thorac Cardiovasc Surg*. 2014;147:283-9. **(Corresponding author)**
56. Im YM, **Kim JB**, Yun SC, Lee JW, Chung CH, Park JJ, Yun TJ. Arrhythmia surgery for atrial fibrillation associated with atrial septal defect: right-sided maze versus biatrial maze. *J Thorac Cardiovasc Surg*. 2013;145:648-54
57. Cho WC, Park CB, **Kim JB**, Jung SH, Chung CH, Choo SJ, Lee JW. Mechanical valve replacement versus bioprosthetic valve replacement in the tricuspid valve position. *J Card Surg*. 2013;28:212-7
58. Lee SH, **Kim JB**, Kim DH, Jung SH, Choo SJ, Chung CH, Lee JW. Management of dilated ascending aorta during aortic valve replacement: valve replacement alone versus aorta wrapping versus aorta replacement. *J Thorac Cardiovasc Surg*. 2013;146:802-9 **(Corresponding author)**
59. Bang JH, Im YM, **Kim JB**, Choo SJ, Chung CH, Lee JW, Jung SH. Long term outcomes of aortic root replacement: 18 years' experience. *Korean J Thorac Cardiovasc Surg*. 2013;46:104-10.
60. Kim JE, Jung SH, Kim GS, **Kim JB**, Choo SJ, Chung CH, Lee JW. Surgical Outcomes of Congenital Atrial Septal Defect Using da Vinci Surgical Robot System. *Korean J Thorac Cardiovasc Surg*. 2013;46:93-7.
61. Kim WK, **Kim JB**, Kim GS, Jung SH, Choo SJ, Chung CH, Lee JW. Titanium plate fixation for sternal dehiscence in major cardiac surgery. *Korean J Thorac Cardiovasc Surg*. 2013;46:279-84 **(Corresponding author)**
62. Kim HJ, Jung SH, Kim JJ, **Kim JB**, Choo SJ, Yun TJ, Chung CH, Lee JW. Early postoperative complications after heart transplantation in adult recipients: asan medical center experience. *Korean J Thorac Cardiovasc Surg*. 2013;46:426-32.
63. Park SJ, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Surgical Repair of Ventricular Septal Defect after Myocardial Infarction: A Single Center Experience during 22 Years. *Korean J Thorac Cardiovasc Surg*. 2013;46:433-8.
64. Yoo JS, **Kim JB**, Lee JW. Surgical treatment of atrial fibrillation. *J Korean Med Ass* 2013;56:805-

65. **Kim JB**, Sundt TM 3rd. Best surgical option for arch extension of type B aortic dissection: the open approach. *Ann Cardiothorac Surg.* 2014;3:406-12. **(First author)**
66. Kim YS, Kim JH, **Kim JB**, Yang DH, Kang JW, Hwang SK, Choo SJ, Chung CH. Influence of radiologically evident residual intimal tear on expansion of descending aorta following surgery for acute type I aortic dissection. *Korean J Thorac Cardiovasc Surg.* 2014;47:6-12. **(Corresponding author)**
67. Lee CH, Ju MH, **Kim JB**, Chung CH, Jung SH, Choo SJ, Lee JW. Myocardial injury following aortic valve replacement for severe aortic stenosis: risk factor of postoperative myocardial injury and its impact on long-term outcomes. *Korean J Thorac Cardiovasc Surg.* 2014;47:233-9. **(Corresponding author)**
68. Lee WY, Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Outcomes of open surgical repair of descending thoracic aortic disease. *Korean J Thorac Cardiovasc Surg.* 2014;47:255-61 **(Corresponding author)**
69. Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Echocardiographic assessment of mitral durability in late period following mitral valve repair: mini-thoracotomy vs. conventional sternotomy. *J Thorac Cardiovasc Surg.* 2014;147:1547-52.
70. Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Coronary artery bypass grafting in patients with left ventricular dysfunction: predictors of long-term survival and impact of surgical strategies. *Int J Cardiol.* 2013;168:5316-22 **(Corresponding author)**
71. Kim HJ, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Valve replacement surgery for older individuals with preoperative atrial fibrillation: The effect of prosthetic valve choice and surgical ablation. *J Thorac Cardiovasc Surg.* 2013 [Epub ahead of print]
72. Lee C, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Left atrial appendage resection versus preservation during the surgical ablation of atrial fibrillation. *Ann Thorac Surg.* 2014 ;97:124-32
73. **Kim JB**, BK Chong, Jung SH, Choo SJ, Chung CH, Lee JW. Maze procedure in patients with left ventricular dysfunction. *Int J Cardiol.* 2014;170:331-7. **(First author)**
74. Lee GD, Kim YH, **Kim JB**, Choi SH, Kim HR, Kim DK, Park SI. Esophageal cancer associated with multiple primary cancers: surgical approaches and long-term survival. *Ann Surg Oncol.* 2013;20:4260-6
75. Kim GS, **Kim JB**, Han S, Choo SJ, Chung CH, Lee JW, Jung SH. Mitral valve repair versus replacement for moderate-to-severe mitral regurgitation in patients undergoing concomitant aortic valve replacement. *Interact Cardiovasc Thorac Surg.* 2014;18:73-9.
76. Lim JY, Jung SH, **Kim JB**, Kim DK, Chung CH, Song H, Lee JW, Choo SJ. Concomitant replacement of the dilated ascending aorta during aortic valve replacement; does it increase the

- perioperative morbidity and mortality risks? *J Card Surg.* 2013;28:285-90.
77. Ro SK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Extracorporeal life support for cardiogenic shock: influence of concomitant intra-aortic balloon counterpulsation. *Eur J Cardiothorac Surg.* 2014;46:186-92 (**Corresponding author**)
78. Yoo JS, **Kim JB**, Joo Y, Lee WY, Jung SH, Choo SJ, Chung CH, Lee JW. Deep hypothermic circulatory arrest versus non-deep hypothermic beating heart strategy in descending thoracic or thoracoabdominal aortic surgery. *Eur J Cardiothorac Surg.* 2014;46:678-84 (**Corresponding author**)
79. Yoo JS, **Kim JB**, Ro SK, Jung Y, Jung SH, Choo SJ, Lee JW, Chung CH. Impact of Concomitant Surgical Atrial Fibrillation Ablation in Patients Undergoing Aortic Valve Replacement. *Circ J.* 2014;78:1364-71.
80. Park SJ, Kim SP, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Blood lactate level during extracorporeal life support as a surrogate marker for survival. *J Thorac Cardiovasc Surg.* 2014;148:714-20 (**Corresponding author**)
81. **Kim JB**, Yun SC, Lim JW, Hwang SK, Jung SH, Song H, Chung CH, Lee JW, Choo SJ. Long-Term Survival Following Coronary Artery Bypass Grafting: Off-Pump versus On-Pump Strategies. *J Am Coll Cardiol.* 2014;63:2280-8 (**First author**)
82. Kim GS, Kim JJ, **Kim JB**, Kim DH, Song JM, Yun TJ, Choo SJ, Kang DH, Chung CH, Song JK, Lee JW, Jung SH. Fate of Atrioventricular Valve Function of the Transplanted Heart. *Circ J.* 2014;78:1654-60.
83. **Kim JB**, Choo SJ, Kim WK, Kim HJ, Jung S, Chung CH, Lee JW, Song JK. Outcomes of Acute Retrograde Type A Aortic Dissection with an Entry Tear in Descending Aorta. *Circulation.* 2014;130:S39-44. (**First author**)
84. Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Surgical repair of descending thoracic and thoracoabdominal aortic aneurysm involving the distal arch: Open proximal anastomosis under deep hypothermia versus arch clamping technique. *J Thorac Cardiovasc Surg.* 2014;148:2101-7. (**Corresponding author**)
85. Eom HJ, Yang DH, Kang JW, Kim DH, Song JM, Kang DH, Song JK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW, Lim TH. Preoperative cardiac computed tomography for demonstration of congenital cardiac septal defect in adults. *Eur Radiol.* 2014;25:1614-22.
86. **Kim JB**. Surgical approach to aortic valve disease with concomitant dilation of the proximal aorta: the authors' response. *J Thorac Cardiovasc Surg.* 2014;147:1440. (**First and Corresponding author**)
87. **Kim JB**, Lee JW. Reply to the editor (isolated tricuspid regurgitation). *J Thorac Cardiovasc Surg.* 2014;147:1440-1. (**First author**)

88. **Kim JB**, Choo SJ. Reply: is off-pump CABG really inferior to on-pump strategies for long-term survival? *J Am Coll Cardiol*. 2014;64:1181-2. **(First author)**
89. Goldberg JB, **Kim JB**, Sundt TM. Current understandings and approach to the management of aortic intramural hematomas. *Semin Thorac Cardiovasc Surg*. 2014;26:123-31.
90. **Kim JB**, Lee JW. Editorial on the article entitled "Surgical ablation of atrial fibrillation during mitral-valve surgery". *J Thorac Dis*. 2015;7:E335-7. **(First author)**
91. **Kim JB**, Yang DH, Kang JW, Jung SH, Choo SJ, Chung CH, Song JK, Lee JW. Left atrial function following surgical ablation of atrial fibrillation: prospective evaluation using dual-source cardiac computed tomography. *Yonsei Med J*. 2015;56:608-16. **(First author)**
92. Han K, Yang DH, Shin SY, Kim N, Kang JW, Kim DH, Song JM, Kang DH, Song JK, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW, Lim TH. Subprosthetic Pannus after Aortic Valve Replacement Surgery: Cardiac CT Findings and Clinical Features. *Radiology*. 2015;276:724-31.
93. Hwang SK, Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Long-Term Outcomes of the Maze Procedure Combined With Mitral Valve Repair: Risk of Thromboembolism Without Anticoagulation Therapy. *Ann Thorac Surg*. 2015;100:840-3.
94. Heng E, Stone JR, **Kim JB**, Lee H, MacGillivray TE, Sundt TM. Comparative Histology of Aortic Dilatation Associated With Bileaflet Versus Trileaflet Aortic Valves. *Ann Thorac Surg*. 2015;100:2095-101.
95. **Kim JB**, Kim K, Lindsay ME, MacGillivray T, Isselbacher EM, Cambria RP, Sundt TM 3rd. Risk of Rupture or Dissection in Descending Thoracic Aortic Aneurysm. *Circulation*. 2015;132:1620-9 **(First author)**
96. Kim JY, Joung KW, Kim KM, Kim MJ, **Kim JB**, Jung SH, Lee EH, Choi IC. Relationship between a perioperative intravenous fluid administration strategy and acute kidney injury following off-pump coronary artery bypass surgery: an observational study. *Crit Care*. 2015 28;19:350.
97. Seo DJ, Yoo JS, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Venovenous Extracorporeal Membrane Oxygenation for Postoperative Acute Respiratory Distress Syndrome. *Korean J Thorac Cardiovasc Surg*. 2015;48:180-6. **(Corresponding author)**
98. Oh YN, Ha KJ, **Kim JB**, Jung SH, Choo SJ, Chung CH, Lee JW. Multifilament Cable Wire versus Conventional Wire for Sternal Closure in Patients Undergoing Major Cardiac Surgery. *Korean J Thorac Cardiovasc Surg*. 2015;48:265-71. **(Corresponding author)**
99. Yun JK, Kim JB. Pulmonary thromboembolism caused by huge uterine myoma. *Asian Cardiovasc Thorac Ann*. 2015;23:1003 **(Corresponding author)**
100. Park SJ, Kim YW, Yoo JS, **Kim JB**, Lee JW. Management of recurrent paravalvular leakage in a very high-risk patient: a case report. *Korean J Thorac Cardiovasc Surg*. 2015;48:59-62.
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