

Curriculum Vitae

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Date of birth: March 16, 1973

Dr. Jin-Tae Kim is the Professor of Department of Anesthesiology and Pain Medicine at Seoul National University College of Medicine. He is the Chief of Pediatric Division of Department of Anesthesiology and Pain Medicine. He graduated from Seoul National University College of Medicine in 1998. He finished his internship in 1999 and resident training in 2003 at Seoul National University Hospital. He completed post-doctoral research fellowship at Duke University Hospital in the US. His major field of clinical and research interest is perioperative medicine. Subspecialties are pediatric anesthesia, cardiac anesthesia and regional anesthesia. He is currently a president of KSPA, a director of planning of KSRA, and a director of planning of KSCVA. He performed many clinical and basic researches regarding perioperative medicine, practical ultrasonography and acute pain management. He published more than 290 peer-reviewed journal articles.

1. ADDRESS

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2. CITIZENSHIP: Korea, South

3. EDUCATION:

Ph.D., Anesthesiology, Seoul National University, College of Medicine, FEB, 2007

Concentrations: anesthesiology, bupivacaine toxicity and insulin,

Dissertation: The effect of insulin-glucose-potassium pretreatment on the hemodynamics during bupivacaine-induced cardiotoxicity

M.A., Aneshtesiology, Seoul National University, College of Medicine, FEB, 2002

Concentrations: anesthesiology, bupivacaine toxicity and insulin
Dissertation: A Study on the Variables that could predict Bupivacaine-induced Decrease of Cardiac output in Dogs

B.A., Medicine, Seoul National University College of Medicine, 1998

4. EMPLOYMENT HISTORY:

- Mar 2018 – Current: Professor, Seoul National University College of Medicine, Seoul National University Hospital
- Mar 2015 – Feb 2018: Associate professor, Seoul National University College of Medicine, Seoul National University Hospital
- July 2013 – July 2014: Duke University, multimodality neuroprotection lab
- Mar 2011 – Feb 2015: Assistant professor, Seoul National University College of Medicine, Seoul National University Hospital
- Mar 2007 – Feb 2011: Clinical assistant professor, Seoul National University Hospital
- Mar 2006 - Feb 2007: Fellow. Cardiac anesthesia and Pediatric anesthesia, Seoul National University Hospital
- May 2003– April 2006: Military service as army doctor
- Mar 1999 – Feb 2003: Resident training in Dept. anesthesiology and pain medicine, Seoul national university hospital
- Mar 1998 – Feb 1999: Internship in Seoul national university hospital

6. CERTIFICATIONS & LICENSES

- Korean National Board of Medical Doctors (64992) 1998
- Korean Board of Anesthesiology and Pain medicine (2509) 2003
- Subspecialty of critical care medicine
- PALS instructor (from AHA)

7. SOCIETIES

- Korean medical association
- Korean society of anesthesiology and pain medicine
- Korean society of cardiothoracic vascular anesthesiologists
- Korean society of pediatric anesthesiologists
- Korean society of critical care medicine
- Korean society for regional anesthesiologists
- American society of anesthesiologists
- American society of pediatric anesthesiologists
- European society of regional anesthesiologists
- Congenital cardiac anesthesia society

8. PUBLICATION (underline means corresponding author)

1. **Kim JT**, Kim CS, Kim SD, Kim HS, Yum MK. Comparison of power spectral analysis and indices of nonlinear dynamics of heart rate variability during general anesthesia with enflurane or propofol in children – fixed respiratory rate. Korean J Ped Anesth 2000; 4: 21-27.

2. Lee KT, **Kim JT**, Lim YJ, Kim CS, Do SH. A comparison between patient-controlled analgesia (PCA) alone and PCA with basal infusion after gynecologic surgery. *Korean J Anesthesiol* 2000; 38: 651-656.
3. Rhee K, Kang K, **Kim J**, Jeon Y. Intravenous clonidine prolongs bupivacaine spinal anesthesia. *Acta Anaesthesiol Scan* 2003; 47:1001-1005.
4. **Kim JT**, Rhee KY, Bahk JH, Do SH, Lim YJ, Ko H, Lee KH. Continuous mixed venous oxygen saturation, not mean blood pressure, is associated with early bupivacaine cardiotoxicity in dogs. *Can J Anaesth* 2003; 50: 376-81.
5. **Kim JT**, Jung CW, Lee JR, Min SW, Bahk JH. Influence of lumbar flexion on the position of the intercrestal line. *Reg Anesth Pain Med* 2003; 28: 509-11.
6. **Kim JT**, Bahk JH, Sung J. Influence of age and sex on the position of the conus medullaris and Tuffier's line in adults. *Anesthesiology* 2003; 99: 1359-63.
7. **Kim JT**, Ryu HG, Ko H, Lee KH. Anesthetic Management of Emergent Cesarean Section of a Patient with a Latex-Induced Allergic Reaction: A case report. *Korean J Anesthesiol* 2004; 46: 119-121.
8. **Kim JT**, Jung CW, Lee KH. The effect of insulin on the resuscitation of bupivacaine-induced severe cardiovascular toxicity in dogs. *Anesth Analg*. 2004 Sep;99(3):728-33. PMID: 15333402
9. Jung CW, **Kim JT**, Choe YS, Bae SS, Kim JA, Cho HS, Lee KH. Hemodynamic Comparison between Bupivacaine and Levobupivacaine Induced Cardiovascular Collapses in Anesthetized Dogs. *Korean J Crit Care Med* 2004; 19: 86-97.
10. **Kim JT**, Jung JY, Jung CW, Kim JA, Cho HS, Lee KH. S-wave in lead III is helpful for the early detection of bupivacaine-induced cardiac depression in dogs. *Can J Anaesth*. 2005 Oct;52(8):864-9. PMID: 16189340
11. **Kim JT**, Kim SH, Bae MS, Park SJ, Kim JH, Son HJ, Bahk JH. What is the optimal angle of needle insertion in Korean young adult during paramedian spinal puncture? A radiologic study. *Korean J Anesthesiol* 2006; 50: 413-416.
12. **Kim JT**, Lee JH, Yoon SZ, Choi JY, Jeon YS, Bahk JH, Kim KB. Coronary artery bypass grafting under thoracic epidural anesthesia in the awake patient: initial experience in 12 cases. *Korean J Anesthesiol* 2006; 51: 421-425.
13. Ryu HG, Bahk JH, **Kim JT**, Lee JH. Bedside prediction of the central venous catheter insertion depth. *Br J Anaesth*. 2007 Feb;98(2):225-7. PMID: 17210734
14. **Kim JT**, Shim JK, Kim SH, Jung CW, Bahk JH. Trendelenburg position with hip flexion as a rescue strategy to increase spinal anaesthetic level after spinal block. *Br J Anaesth*. 2007 Mar;98(3):396-400. PMID: 17283005
15. **Kim JT**, Shim JK, Kim SH, Ryu HG, Yoon SZ, Jeon YS, Bahk JH, Kim CS. Remifentanyl vs. lignocaine for attenuating the haemodynamic response during rapid sequence induction using propofol: double-blind randomised clinical trial. *Anaesth Intensive Care*. 2007 Feb;35(1):20-3. PMID: 17323661
16. Jung CW, **Kim JT**, Lee KH. The hemodynamic effects of insulin following overdosage with levobupivacaine or racemic bupivacaine in dogs. *J Korean Med Sci*. 2007 Apr;22(2):342-6. PMID: 17449947
17. Lee JH, **Kim JT**, Yoon SZ, Lim YJ, Jeon Y, Bahk JH, Kim CS. Evaluation of corrected flow time in oesophageal Doppler as a predictor of fluid responsiveness. *Br J Anaesth*. 2007 Sep;99(3):343-8. PMID: 17621598
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20. **Kim JT**, Jeon SY, Kim CS, Kim SD, Kim HS. Alternative method for predicting optimal insertion depth of the laryngeal tube in children. *Br J Anaesth*. 2007 Nov;99(5):704-7. PMID: 17724391
21. **Kim JT**, Lee JH, Yoon SZ, Lim YJ, Bahk JH, Kim CS, Jeon Y. Effect of lumbar flexion on the extent of epidural blockade. *Reg Anesth Pain Med*. 2007 Nov-Dec;32(6):471-4. PMID: 18035291
22. **Kim JT**, Lee NJ, Na HS, Jeon Y, Kim HS, Kim CS, Kim SD. Ultrasonographic investigation of the effect of inguinal compression on the cross-sectional area of the femoral vein. *Acad Emerg Med*. 2008 Jan;15(1):101-3. PMID: 18211323

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25. Yum MK, **Kim JT**, Kim HS. Increased non-stationarity of heart rate during general anaesthesia with sevoflurane or desflurane in children. *Br J Anaesth*. 2008 Jun;100(6):772-9. PMID: 18403379
26. Jeon SY, Bae JY, Na HS, Kim HS, Kim CS, Kim SD, **Kim JT**. The effect of intraoperative autotransfusion using continuous autotransfusion system (CATS®) on homologous transfusion in children. *Korean J Anesthesiol* 2008; 54: 619-622.
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29. Yang SM, **Kim JT**, Bae JY, Kim HJ, Kim HS, Kim CS, Kim SD. Anesthetic management for a patient with aberrant right subclavian artery. *Korean J Anesthesiol* 2008; 55: 371-375.
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46. Park CS, Lee CH, Lee YO, Kim KB, **Kim JT**, Kim YJ. Pulmonary valve repair late after right ventricular outflow tract reconstruction in children and adolescents. Interact Cardiovasc Thorac Surg. 2010 Jun;10(6):906-9. PMID: 20197352
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49. Park YH, Kim HJ, **Kim JT**, Kim HS, Kim CS, Kim SD. Prolonged paradoxical air embolism during intraoperative intestinal endoscopy confirmed by transesophageal echocardiography -A case report-. Korean J Anesthesiol. 2010 Jun;58(6):560-4. PMID: 20589182
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58. Byon HJ, Kim H, Kim HC, **Kim JT**, Kim HS, Lee SC, Kim CS. Potential risk for intra-aortic balloon-induced obstruction to the celiac axis or the renal artery in the Asian population. Thorac Cardiovasc Surg. 2011 Mar;59(2):99-102. PMID: 21384305
59. **Kim JT**, Park YH, Chang YE, Byon HJ, Kim HS, Kim CS, Lim HG, Kim WH, Lee JR, Kim YJ. The Effect of Cardioplegic Solution-Induced Sodium Concentration Fluctuation on Postoperative Seizure in Pediatric Cardiac Patients. Ann Thorac Surg. 2011 Jun;91(6):1943-8. PMID: 21511247
60. Lim KJ, **Kim JT**, Kim HS, Byon HJ, Lee SK, Lee JM. The effect of lung deflation on the position and size of the subclavian vein in mechanically ventilated infants and children. Anesth Analg. 2011 Jun;112(6):1448-51. PMID: 21543776
61. Kim HS, Lee SJ, Kim CS, **Kim JT**. Effect of triamcinolone added to scalp nerve block for postoperative pain management of Moyamoya disease. Korean J Anesthesiol. 2011 Aug;61(2):173-4. PMID: 21927693
62. Bae JY, Byon HJ, Han SS, Kim HS, **Kim JT**. Usefulness of ultrasound for selecting a correctly sized uncuffed tracheal tube for paediatric patients. Anaesthesia. 2011 Nov;66(11):994-8. PMID: 21933159

63. Kim HJ, **Kim JT**, Kim HS, Kim CS. A comparison of GlideScope® videolaryngoscopy with direct laryngoscopy for nasotracheal intubation in children. *Paediatr Anaesth*. 2011 Nov;21(11):1165-6. PMID: 21966964
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65. Lee SC, Han SS, Shin SY, Lim YJ, **Kim JT**, Kim YH. Relationship between positive end-expiratory pressure and internal jugular vein cross-sectional area. *Acta Anaesthesiol Scand*. 2012 Aug;56(7):840-5. PMID: 22288836
66. Byon HJ, Lee SJ, **Kim JT**, Kim HS. Comparison of the antiemetic effect of ramosetron and combined ramosetron and midazolam in children: a double-blind, randomised clinical trial. *Eur J Anaesthesiol*. 2012 Apr;29(4):192-6. PMID: 22273828
67. Lee JH, Park YH, Byon HJ, Kim HS, Kim CS, **Kim JT**. Effect of remote ischaemic preconditioning on ischaemic-reperfusion injury in pulmonary hypertensive infants receiving ventricular septal defect repair. *Br J Anaesth*. 2012 Feb;108(2):223-8. PMID: 22157844
68. Lee JR, Kim MS, **Kim JT**, Byon HJ, Park YH, Kim HS, Kim CS. A randomized trial comparing the i-gel(TM) with the LMA Classic(TM) in children. *Anaesthesia*. 2012 Jun;67(6):606-11. PMID: 22352745
69. Sohn HM, Park YH, Byon HJ, **Kim JT**, Kim HS, Kim CS. Application of the continuous autotransfusion system (CATS) to prevent transfusion-related hyperkalemia following hyperkalemic cardiac arrest in an infant. *Korean J Anesthesiol*. 2012 Mar;62(3):281-4. PMID: 22474558
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73. Park YH, Lee JH, Song HG, Byon HJ, Kim HS, **Kim JT**. The Accuracy of Noninvasive Hemoglobin Monitoring Using the Radical-7 Pulse CO-Oximeter in Children Undergoing Neurosurgery. *Anesth Analg*. 2012 Dec;115(6):1302-7. PMID: 23144437
74. Ahn WS, **Kim JT**. Blood Glucose Measurement Principles of non-invasive blood glucose meter: focused on the detection methods of blood glucose. *Journal of Biomedical Engineering Research* 2012; 33: 114-127.
75. Seong YW, Yoo BS, **Kim JT**, Park IK, Kang CH, Kim YT. Video-assisted thoracoscopic lobectomy in children: safety and efficacy compared with the conventional thoracotomy approach. *Innovations (Phila)*. 2012 Nov-Dec;7(6):394-8. PMID: 23422800
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78. Byon HJ, Lim CW, Lee JH, Park YH, Kim HS, Kim CS, **Kim JT**. Prediction of fluid responsiveness in mechanically ventilated children undergoing neurosurgery. *Br J Anaesth* 2013 Apr;110(4):586-91. PMID: 23250892
79. Park YH, Jang YE, Byon HJ, **Kim JT**, Kim HS. Comparison of the efficacy of ramosetron and ondansetron in the prophylaxis of postoperative vomiting in children receiving fentanyl by patient-controlled analgesia after orthopedic surgery: a randomized controlled trial. *Paediatr Anaesth* 2013 Apr;23(4):360-4. PMID: 23281658
80. **Kim JT**, Yang SM, Lee KH. The effects of an insulin-glucose-potassium (IGK) pretreatment on the bupivacaine cardiotoxicity. *Korean J Anesthesiol*. 2013 Jan;64(1):47-53. PMID: 23372886
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83. Lee JH, Park YH, Byon HJ, Han WK, Kim HS, Kim CS, **Kim JT**. A comparative trial of the GlideScope(R) video laryngoscope to direct laryngoscope in children with difficult direct laryngoscopy and an evaluation of the effect of blade size. *Anesth Analg*. 2013 Jul;117(1):176-81. PMID: 23687227
84. Byon HJ, Lee GW, Lee JH, Park YH, Kim HS, Kim CS, **Kim JT**. Comparison between ultrasound-guided supraclavicular and infraclavicular approaches for subclavian venous catheterization in children--a randomized trial. *Br J Anaesth*. 2013 Nov;111(5):788-92. PMID: 23756247
85. Kim H, Jeong CH, Byon HJ, Shin HK, Yun TJ, Lee JH, Park YH, **Kim JT**. Predicting the optimal depth of left-sided central venous catheters in children. *Anaesthesia*. 2013 Oct;68(10):1033-7. PMID: 23889075
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100. Lee JH, Nam K, Park YH, **Kim JT**. Iatrogenic Supraaortic Stenosis Detected by Transesophageal Echocardiography in a Pediatric Patient Undergoing Cardiac Surgery. *Anesth Analg* 2015 Jan;120(1):26-9. PMID: 25625252
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