

Curriculum Vitae

Oct, 2025

Jin-Tae, Kim MD. PhD.

Professor

**Department of Anesthesiology and pain medicine
Seoul National University College of Medicine
Seoul National University Hospital**



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 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 **director of academic affairs of Korean Society of Anesthesiologists (KSA)**, a **president of Korean Society of Regional Anesthesia (KSRA)**, an **immediate past president of Korean Society of Pediatric Anesthesiologists (KSPA)**, and a **director of planning of Korean Society of Cardiothoracic and Vascular Anesthesiologists (KSCTVA)**. He performed many clinical and basic research regarding perioperative medicine, practical ultrasonography and acute pain management. He published more than 340 peer-reviewed journal articles.

1. ADDRESS

Department of Anesthesiology and pain medicine, Seoul National University Hospital,

101 daehang-ro, jongno-gu, Seoul, 03080, Korea

TEL: 82-2-2072-3295

FAX: 82-2-745-5587

e-mail: jintae73@snu.ac.kr/ jintae73@gmail.com

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., Anesthesiology, 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

- 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
18. **Kim JT**, Yoon TG, Kim HS, Kim CS, Kim SD. Simple multiport adaptor for selective lung ventilation in pediatric patients. *Anesth Analg*. 2007 Sep;105(3):892. PMID: 17717277
19. **Kim JT**, Lee JR, Kim JK, Yoon SZ, Jeon Y, Bahk JH, Kim KB, Kim CS, Lim YJ, Kim HS, Kim SD. The carina as a useful radiographic landmark for positioning the intraaortic balloon pump. *Anesth Analg*. 2007 Sep;105(3):735-8. PMID: 17717232
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
23. **Kim JT**, Kim HS, Lim YJ, Bahk JH, Lee KH, Kim CS, Kim SD, Jeon Y. The influence of passive leg elevation on the cross-sectional area of the internal jugular vein and the subclavian vein in awake adults. *Anaesth Intensive Care*. 2008 Jan;36(1):65-8. PMID: 18326134
24. Jung SH, Na HS, **Kim JT**, Kim HS, Kim CS, Kim SD. Internal jugular vein thrombosis detected during ultrasound-guided cannulation in children. *Korean J Anesthesiol* 2008; 54: 214-216.
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.
27. **Kim JT**, Na HS, Bae JY, Kim DW, Kim HS, Kim CS, Kim SD. GlideScope(R) video laryngoscope: a randomized clinical trial in 203 paediatric patients. *Br J Anaesth*. 2008 Oct;101(4):531-4. PMID: 18689807
28. Bae JY, Song E, **Kim JT**, Kim HS, Kim CS, Kim SD. Comparison of emergence agitation between sevoflurane, desflurane, and propofol with bispectral index monitoring in pediatric anesthesia. *Korean J Anesthesiol* 2008; 55: 161-165.
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.
30. You K, Kim HS, Bae JY, **Kim JT**, Kim CS, Kim SD. Optimal clinical dose of rocuronium bromide for laryngeal mask airway insertion during sevoflurane anesthesia in children. *Korean J Anesthesiol* 2008; 55: 419-423.
31. Yum MK, Kim HJ, **Kim JT**, Kim CS, Kim SD, Kim HS. Correlation between BIS and layered behavior of heart rate in children under general anesthesia. *Anesth Pain Med* 2008; 3: 327-9.
32. Kim HJ, Kim HS, Kim SD, Kim CS, **Kim JT**, Lee KJ, Park SJ. Effects of propofol and nalbuphine on emergence agitation after sevoflurane anesthesia in children for strabismus surgery. *Korean J Anesthesiol* 2008; 55: 575-568.
33. Kim HS, **Kim JT**, Kim CS, Kim SD, Kim K, Yum MK. Effects of sevoflurane on QT parameters in children with congenital sensorineural hearing loss. *Anaesthesia*. 2009 Jan;64(1):3-8. PMID: 19086998
34. **Kim JT**, Na HS, Bae JY, Kim HJ, Shin HY, Kim HS, Kim CS, Kim SD. Flexion compromises ventilation with the laryngeal tube suction II in children. *Paediatr Anaesth*. 2009 Feb;19(2):153-8. PMID: 19143960
35. Choi SP, Kim HJ, Kim HS, Kim CS, Kim SD, **Kim JT**. Repeated cardiac arrests caused by transfusion-related hyperkalemia and massive bleeding. *Anesth Pain Med* 2009; 4: 179-182.
36. **Kim JT**, Kim JE, Kim HS, Kim CS, Kim SD. Ultrasound-guided repositioning of a malpositioned guidewire for subclavian vein catheterization in children. *Anesth Analg*. 2009 May;108(5):1721-2. PMID: 19372369

37. **Kim JT**, Park CS, Kim HJ, Lee JM, Kim HS, Kim CS, Kim SD. The effect of inguinal compression, valsalva maneuver, and reverse trendelenburg position on the cross-sectional area of the femoral vein in children. *Anesth Analg*. 2009 May;108(5):1493-6. PMID: 19372327
38. Na HS, **Kim JT**, Kim HS, Bahk JH, Kim CS, Kim SD. Practical anatomic landmarks for determining the insertion depth of central venous catheter in paediatric patients. *Br J Anaesth*. 2009 Jun;102(6):820-3. PMID: 19380312
39. Kim HJ, **Kim JT**, Kim HJ, Kim HS, Kim CS, Kim SD. Anesthetic management of children with Beckwith-Wiedemann syndrome. *Korean J Anesthesiol* 2009 May; 56(5): 583-6.
40. Lee CS, **Kim JT**, Kim CS, Kim SD, Kim HS. Hemothorax due to injuries of subclavian artery and first intercostals artery after subclavian venous catheterization in a pediatric patient. *Korean J Anesthesiol* 2009 May; 56(5): 587-91.
41. Kim JE, Yum MK, Kim HS, **Kim JT**, Kim CS, Kim SD. Measuring depth of anesthesia with EEG and ECG in children. *Korean J Anesthesiol* 2009 Jul; 57(1): 56-61.
42. Joo Y, Kim HJ, **Kim JT**, Kim HS, Lee SC, Kim CS, Kim SD. Effect of active warming on shivering during spinal anesthesia. *Korean J Anesthesiol* 2009 Aug; 57(2): 176-80.
43. **Kim JT**, Kim HJ, Ahn W, Kim HS, Bahk JH, Lee SC, Kim CS, Kim SD. Head rotation, flexion, and extension alter endotracheal tube position in adults and children. *Can J Anaesth*. 2009 Oct;56(10):751-6. PMID: 19639372
44. Park MJ, Kim HS, **Kim JT**, Kim CS, Kim SD. Tearing of the lingual frenulum caused by insertion of the proSeal LMA in a child. -A case report-. *Korean J Anesthesiol*. 2009 Nov; 57(5): 644-6.
45. Kim HJ, Park MJ, **Kim JT**, Kim CS, Kim SD, Kim HS. Appropriate laryngeal mask airway size for overweight and underweight children. *Anaesthesia*. 2010 Jan;65(1):50-3. PMID: 19922510
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
47. **Kim JT**, Na HS, Kim HS, Kim CS, Kim SD. CPAP of 10 cmH2O during cardiopulmonary bypass followed by an alveolar recruitment manoeuvre does not improve post-bypass oxygenation compared to a recruitment manoeuvre alone in children. *Anaesth Intensive Care*. 2010 Mar;38(2):291-4. PMID: 20369762
48. Park CS, Kim WH, Kim GB, Bae EJ, **Kim JT**, Lee JR, Kim YJ. Symptomatic Young Infants with Tetralogy of Fallot: One-stage versus Staged Repair. *J Card Surg*. 2010 Jul;25(4):394-9. PMID: 20529161
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
50. Byon HJ, Lee JW, Kim JK, **Kim JT**, Kim YT, Kim HS, Lee SC, Kim CS. Anesthetic management of video-assisted thoracoscopic surgery (VATS) in pediatric patients: the issue of safety in infant and younger children. *Korean J Anesthesiol*. 2010 Aug;59(2):99-103. PMID: 20740214
51. Han KA, Kim HJ, Byon HJ, **Kim JT**, Kim HS, Kim CS, Kim SD. Cardiac arrest induced by tension pneumothorax during ventilating bronchoscopy -A case report- *Korean J Anesthesiol*. 2010 Aug;59(2):123-6. PMID: 20740219
52. Park KS, Byun HJ, **Kim JT**, Kim HS. The preemptive analgesic effect of nalbuphine in pediatric adenoidectomy or tonsillectomy. *Anesth Pain Med* 2010; 5: 343-346.
53. Kwak JG, Kim WH, **Kim JT**, Kim IO, Chae JH. Changes of brain magnetic resonance imaging findings after congenital aortic arch anomaly repair using regional cerebral perfusion in neonates and young infants. *Ann Thorac Surg*. 2010 Dec;90(6):1996-2000. PMID: 21095351
54. Lee JM, Byon HJ, **Kim JT**, Kim HS, Kim CS. Transfusion-free anesthetic management for open heart surgery in a neonate – A case report -. *Korean J Anesthesiol*. 2010 Dec;59 Suppl:S141-5. PMID: 21286425
55. Sung B, Kim HS, Park JW, Byon HJ, **Kim JT**, Kim CS. Anesthetic management with scalp nerve block and propofol/remifentanyl infusion during awake craniotomy in an adolescent patient -A case report-. *Korean J Anesthesiol*. 2010 Dec;59 Suppl:S179-82. PMID: 21286435
56. Kim HJ, **Kim JT**, Kim HS, Kim CS, Kim SD. A comparison of GlideScope videolaryngoscopy and direct laryngoscopy for nasotracheal intubation in children. *Paediatr Anaesth*. 2011 Apr;21(4):417-21. PMID: 21244568

57. **Kim JT**, Byon HJ, Park SK, Kim HS, Kim CS. Mechanical Valvular Dysfunction Detected by Intraoperative Transesophageal Echocardiography After Valvular Replacement in Patients With Congenital Heart Disease. *J Cardiothorac Vasc Anesth*. 2011 Aug;25(4):671-2. PMID: 20965748
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
64. **Kim JT**. Isoosmotic hyponatremia after HTK-induced cardioplegia. Reply. *Ann Thorac Surg*. 2012 Feb;93(2):693
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
70. **Kim JT**, Park YH. Potential risk of hyponatremia using histidine-tryptophan-ketoglutarate solution during pediatric cardiopulmonary bypass Reply. *Ann Thorac Surg*. 2012 ; 93: 2121.
71. Byon HJ, Park KS, Park YH, **Kim JT**, Jung CW, Kim HS. The influence of DNA polymorphism of multidrug resistant 1 (MDR1) on the effect of midazolam pretreatment in children. *Korean J Anesthesiol*. 2012 Apr;62(4):332-6. PMID: 22558499
72. Park SJ, Kim HS, Byon HJ, Kim CS, Cheong IY, **Kim JT**. Intraoperative plasma lactate as an early indicator of major postoperative events in pediatric cardiac patients. *Tohoku J Exp Med*. 2012 Nov;228(3):239-45. PMID: 23075473
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

76. Byon HJ, Kim HS, **Kim JT**, Kim CS. Safe method of propofol infusion for children: population pharmacokinetic and pharmacodynamics analysis of lipid emulsion propofol in children. *Journal of pharmacological and toxicological methods* 2012; 66: 192-193.
77. Lim KJ, Lee JM, Byon HJ, Kim HS, Kim CS, Lee SK, **Kim JT**. The Effect of Full Expiration on the Position and Size of the Subclavian Vein in Spontaneously Breathing Adults. *Anesth Analg*. 2013 Jul;117(1):109-13. PMID: 22763901
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
81. Seong YW, Kang CH, **Kim JT**, Moon HJ, Park IK, Kim YT. Video-assisted thoracoscopic lobectomy in children: safety, efficacy, and risk factors for conversion to thoracotomy. *Ann Thorac Surg*. 2013 Apr;95(4):1236-42. PMID: 23453743
82. **Kim JT**, Park YH. Reply: To PMID 21511247. *Ann Thorac Surg*. 2013 May;95(5):1845. PMID: 23608287
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
86. Jang YE, Lee JH, Park YH, Byon HJ, Kim HS, Kim CS, **Kim JT**. The effect of lung deflation on the position of the pleura during subclavian vein cannulation in infants receiving mechanical ventilation: an ultrasound study. *Anaesthesia* 2013 Oct;68(10):1066-70. PMID: 24032559
87. **Kim JT**, Lee JH, Cho CW, Kim HC, Bahk JH. The influence of spinal flexion in the lateral decubitus position on the unilaterality of spinal anesthesia. *Anesth Analg*. 2013 Oct;117(4):1017-21. PMID: 24023022
88. Park YH, Song IK, **Kim JT**. In response. *Anesth Analg*. 2013 Dec;117(6):1511. PMID: 24257408
89. Lee JH, Park YH, **Kim JT**, Kim CS, Kim HS. The effect of sevoflurane and ondansetron on QT interval and transmural dispersion of repolarization in children. *Paediatr Anaesth*. 2014 Apr;24(4):421-5. PMID: 24372925
90. Park YH, **Kim JT**. In response. *Anesth Analg*. 2014 Feb;118(2):482. PMID: 24445646
91. Kang SH, Song I, Kang JE, Lee JH, **Kim JT**. Anesthetic management for transfusion-free Rastelli's procedure in a pediatric Jehovah's Witness patient. *Korean J Anesthesiol*. 2013 Dec;65(6 Suppl):S87-8. PMID: 24478887
92. Jang WS, Kim WH, Choi K, Nam J, **Kim JT**, Lee JR, Kim YJ, Kim GB. Aortopexy With Preoperative Computed Tomography and Intraoperative Bronchoscopy for Patients With Central Airway Obstruction After Surgery for Congenital Heart Disease: Postoperative Computed Tomography Results and Clinical Outcomes. *Pediatr Cardiol*. 2014 Aug;35(6):914-21. PMID: 24509564
93. Anesthetic management of laparoscopic pheochromocytoma excision in a patient with a Fontan circulation: a case report. *Korean J Anesthesiol*. 2014 Mar;66(3):252-5. PMID: 24729851
94. Park YH, Lee JH, Byon HJ, Kim HS, **Kim JT**. Transthoracic echocardiographic guidance for obtaining an optimal insertion length of internal jugular venous catheters in infants. *Paediatr Anaesth*. 2014 Sep;24(9):927-32. PMID: 24853395
95. Lee JH, Park YH, **Kim JT**. Current use of noninvasive hemoglobin monitoring in anesthesia. *Curr Anesthesiol Rep* 2014; 4: 223-241.

96. Seo SG, Park JY, **Kim JT**, Kim JB, Lee DY. Foot drop of contralateral limb after deformity correction in a polio patient: a case report. *J Korean Foot Ankle Soc.* 2014 Jun;18(2):83-86.
97. Lee JH, Park YH, Song HG, Park HP, Kim HS, Kim CS, **Kim JT**. The effect of lidocaine on apoptotic neurodegeneration in the developing mouse brain. *Korean J Anesthesiol.* 2014 Nov;67(5):334-41. PMID: 25473463
98. Lee JH, Park YH, Kim HS, **Kim JT**. Comparison of two devices using near-infrared spectroscopy for the measurement of tissue oxygenation during vascular occlusion test in healthy volunteers (INVOS(®) vs. InSpectra™). *J Clin Monit Comput.* 2015 Apr;29(2):271-8. PMID: 25005912
99. Lee JH, Yoo EK, Song IK, **Kim JT**, Kim HS. Effect of ramosetron on the QT interval during sevoflurane anaesthesia in children: A prospective observational study. *Eur J Anaesthesiol.* 2015 May;32(5):330-5. PMID: 25485883
100. Lee JH, Nam K, Park YH, **Kim JT**. Iatrogenic Supravalvular Aortic Stenosis Detected by Transesophageal Echocardiography in a Pediatric Patient Undergoing Cardiac Surgery. *Anesth Analg* 2015 Jan;120(1):26-9. PMID: 25625252
101. Lee JH, No HJ, Song IK, Kim HS, Kim CS, **Kim JT**. Prediction of fluid responsiveness using a non-invasive cardiac output monitor in children undergoing cardiac surgery. *Br J Anaesth.* 2015 Jul;115(1):38-44. PMID: 25926311
102. Lee JH, Min SH, Song IK, Kim HS, Kim CS, **Kim JT**. Control of Cardiopulmonary Bypass Flow Rate Using Transfontanellar Ultrasonography and Cerebral Oximetry During Selective Antegrade Cerebral Perfusion. *J Cardiothorac Vasc Anesth.* 2016 Jan;30(1):186-91. PMID: 26006161
103. Kim HS, Byon HJ, Kim JE, Park YH, Lee JH, **Kim JT**. Appropriate dose of dexmedetomidine for the prevention of emergence agitation after desflurane anesthesia for tonsillectomy or adenoidectomy in children: up and down sequential allocation. *BMC Anesthesiol.* 2015 May 27;15(1):79. PMID: 26012345
104. Kang JE, Park SK, Song IK, Lee JH, **Kim JT**, Kim HS. Comparison of the efficacy and safety of different doses of propacetamol for postoperative pain control after breast surgery. *Pain Manag Nurs.* 2015 Jun;16(3):367-71. PMID: 26025796
105. Park YH, Chung EJ, Lee JH, **Kim JT**, Kim CS, Kim HS. Determination of the 95% effective dose of remifentanyl for the prevention of coughing during extubation in children undergoing tonsillectomy (with or without adenoidectomy). *Paediatr Anaesth.* 2015 Jun;25(6):567-72. PMID: 25559991
106. Kang JE, Song IK, Lee JH, Hur M, **Kim JT**, Kim HS. Pulse transit time shows vascular changes caused by propofol in children. *J Clin Monit Comput.* 2015 Aug;29(4):533-7. PMID: 25750017
107. Song IK, Lee JH, Kang JE, Oh HW, Kim HS, Park HP, **Kim JT**. Comparison of central venous catheterization techniques in pediatric patients: needle vs angiocath. *Paediatr Anaesth.* 2015 Nov;25(11):1120-6. PMID: 26248059
108. Song IK, Lee JH, Jung S, **Kim JT**, Kim HS. Estimation of the plasma effect site equilibration rate constant of sufentanil in children using the time to peak effect of heart rate and blood pressure. *Indian J Pharmacol.* 2015 Jul-Aug;47(4):360-4. PMID: 26288466
109. Song IK, Lee JH, Kim EH, Kim HS, **Kim JT**. Inverted Prosthetic Valve Detected by Transesophageal Echocardiography After Mitral Valve Replacement. *J Cardiothorac Vasc Anesth.* 2015 Dec;29(6):e78-9 PMID: 26409921
110. Song IK, Lee JH, Kang JE, Park YH, Kim HS, **Kim JT**. Continuous glucose monitoring system in the operating room and intensive care unit: any difference according to measurement sites? *J Clin Monit Comput.* 2017 Feb;31(1):187-194. PMID: 26561080
111. Park YH, Song IK, Lee JH, Kim HS, Kim CS, **Kim JT**. Intraoperative trans-fontanellar cerebral ultrasonography in infants during cardiac surgery under cardiopulmonary bypass: an observational study. *J Clin Monit Comput.* 2017 Feb;31(1):159-165. PubMed PMID: 26691513.
112. Lim CW, Lee JH, Im SM, Song IK, Park HP, Kim HS, **Kim JT**. Characteristics of 1-day postoperative mortality: a comparison with 2- to 7-day postoperative mortality. *Acta Anaesthesiol Scand.* 2016 Apr;60(4):432-40. PubMed PMID: 26763613.
113. Park JB, Song IK, Lee JH, Kim EH, Kim HS, **Kim JT**. Optimal Chest Compression Position for Patients With a Single Ventricle During Cardiopulmonary Resuscitation. *Pediatr Crit Care Med.* 2016 Apr;17(4):303-6. PubMed PMID: 26890199.

114. Song IK, Park YH, Lee JH, **Kim JT**, Choi IH, Kim HS. Randomized controlled trial on preemptive analgesia for acute postoperative pain management in children. *Paediatr Anaesth*. 2016 Apr;26(4):438-43. PubMed PMID: 26890267.
115. Lee JH, Kim EK, Song IK, Kim EH, Kim HS, Kim CS, **Kim JT**. Critical incidents, including cardiac arrest, associated with pediatric anesthesia at a tertiary teaching children's hospital. *Paediatr Anaesth*. 2016 Apr;26(4):409-17. PubMed PMID: 26896152.
116. Kim EH, Lee JH, Song IK, Kim HC, Kim HS, **Kim JT**. Influence of caudal traction of ipsilateral arm on ultrasound image for supraclavicular central venous catheterization. *Am J Emerg Med*. 2016 May;34(5):851-5. PubMed PMID: 26947376.
117. Song IK, Choi JY, Lee JH, Kim EH, Kim HJ, Kim HS, **Kim JT**. Short-axis/out-of-plane or long-axis/in-plane ultrasound-guided arterial cannulation in children: A randomised controlled trial. *Eur J Anaesthesiol*. 2016 Jul;33(7):522-7. PubMed PMID: 26986774.
118. Kim EH, Lee JH, Song IK, **Kim JT**, Kim BR, Kim HS. Effect of head position on laryngeal visualisation with the McGrath MAC videolaryngoscope in paediatric patients: A randomised controlled trial. *Eur J Anaesthesiol*. 2016 Jul;33(7):528-34. PubMed PMID: 26986776.
119. Song IK, Kim HJ, Lee JH, Kim EH, **Kim JT**, Kim HS. Ultrasound assessment of gastric volume in children after drinking carbohydrate-containing fluids. *Br J Anaesth*. 2016 Apr;116(4):513-7. PubMed PMID: 26994229
120. Song IK, Park HS, Lee JH, Kim EH, Kim HS, Bahk JH, **Kim JT**. Optimal level of the reference transducer for central venous pressure and pulmonary artery occlusion pressure monitoring in supine, prone, and sitting position. *J Clin Monit Comput*. 2017 Apr;31(2):381-386. PubMed PMID: 27001384
121. Song IK, Kim DH, Kim EH, Lee JH, **Kim JT**, Kim HS. Efficacy of bioelectrical impedance analysis during the perioperative period in children. *J Clin Monit Comput*. 2017 Jun;31(3):625-630 PubMed PMID: 27146867.
122. Lee JH, Koo CH, Lee SY, Kim EH, Song IK, Kim HS, Kim CS, **Kim JT**. Effect of early vs. late tracheostomy on clinical outcomes in critically ill pediatric patients. *Acta Anaesthesiol Scand*. 2016 Oct;60(9):1281-8. PubMed PMID: 27377041.
123. Kwon MJ, Kim EH, Song IK, Lee JH, Kim HS, **Kim JT**. Optimizing Prone Cardiopulmonary Resuscitation: Identifying the Vertebral Level Correlating With the Largest Left Ventricle Cross-Sectional Area via Computed Tomography Scan. *Anesth Analg*. 2017 Feb;124(2):520-523. PubMed PMID: 27454066.
124. Song IK, Kim SH, Ryu J, Lee E, Oh HM, Kim EH, Lee JH, Kim HS, **Kim JT**. Prediction of the midtracheal level based on external anatomical landmarks: implication of the optimal insertion depth of endotracheal tubes in pediatric patients. *Paediatr Anaesth*. 2016 Dec;26(12):1142-1147. PMID: 27542329
125. Jung JY, Kim EH, Song IK, Lee JH, Kim HS, **Kim JT**. The influence of age on positions of the conus medullaris, Tuffier's line, dural sac, and sacrococcygeal membrane in infants, children, adolescents, and young adults. *Paediatr Anaesth*. 2016 Dec;26(12):1172-1178. PubMed PMID: 27562404.
126. Song IK, Kim EH, Lee JH, Ro S, Kim HS, **Kim JT**. Effects of an alveolar recruitment manoeuvre guided by lung ultrasound on anaesthesia-induced atelectasis in infants: a randomised, controlled trial. *Anaesthesia*. 2017 Feb;72(2):214-222. PubMed PMID: 27804117.
127. Park YH, Yoo DH, Kim EH, Song IK, Lee JH, Kim HS, Kim WH, **Kim JT**. Optimal Transducer Level for Atrial and Pulmonary Arterial Pressure Measurement in Patients with Functional Single Ventricle. *Pediatr Cardiol*. 2017 Jan;38(1):44-49. PubMed PMID: 27696307
128. Min H, Kim EH, Song IK, Lee JH, Kim HS, **Kim JT**. Optimal transducer levels for central venous pressure and pulmonary artery occlusion pressure monitoring in supine and prone positions in pediatric patients. *Anesth Pain Med* 2016; 11: 375-379
129. Lee JS, Ahn JY, Kim DK, Kim YH, Lee B, Jhang WK, Kim GB, **Kim JT**, Huh J, Park JD, Chung SP, Hwang SO. Part 5. Pediatric basic life support: 2015 Korean Guidelines for Cardiopulmonary Resuscitation. *Clin Exp Emerg Med*. 2016 Jul 5;3(Suppl):S39-S47. eCollection 2016 Jul. PubMed PMID: 27752645
130. Kim DK, Jhang WK, Ahn JY, Lee JS, Kim YH, Lee B, Kim GB, **Kim JT**, Huh J, Park JD, Chung SP, Hwang SO. Part 6. Pediatric advanced life support: 2015 Korean Guidelines for Cardiopulmonary Resuscitation. *Clin Exp Emerg Med*. 2016 Jul 5;3(Suppl):S48-S61. eCollection 2016 Jul. PubMed PMID: 27752646

131. Song IK, Ro S, Lee JH, Kim EH, Kim HS, Bahk JH, **Kim JT**. Reference Levels for Central Venous Pressure and Pulmonary Artery Occlusion Pressure Monitoring in the Lateral Position. *J Cardiothorac Vasc Anesth* 2017 Jun;31(3):939-943. PMID: 27919724
132. Kim EH, Ji SH, Song IK, Lee JH, **Kim JT**, Kim HS. Simple method for obtaining the optimal laryngoscopic view in children: A prospective observational study. *Am J Emerg Med*. 2017 Jun;35(6):867-870. PMID: 28139308
133. Song IK, **Kim JT**. Reply to: posterior wall puncture during ultrasound-guided arterial cannulation suggests inadequate operator skills. *Eur J Anaesthesiol*. 2017 Feb;34(2):105. PMID: 28027206
134. Lee JH, Oh HW, Song IK, **Kim JT**, Kim CS, Kim HS. Determination of insertion depth of flexible laryngeal mask airway in pediatric population-A prospective observational study. *J Clin Anesth*. 2017 Feb;36:76-79 PMID: 28183579
135. Lee JH, Song IK, Kim EH, Kim HS, **Kim JT**. Prediction of fluid responsiveness based on liver compression-induced blood pressure changes in children after cardiac surgery. *Minerva Anesthesiol*. 2017 Sep;83(9):939-946 PMID: 28275226
136. Jang YE, Kim EH, Song IK, Lee JH, Ryu HG, Kim HS, **Kim JT**. Prediction of the mid-tracheal level using surface anatomical landmarks in adults: Clinical implication of endotracheal tube insertion depth. *Medicine (Baltimore)*. 2017 Mar;96(12):e6319, PMID: 28328810
137. Song IK, Ji SH, Kim HE, Lee JH, **Kim JT**, Kim HS. Heart rate variability may be more useful than pulse transit time for confirming successful caudal block under general anesthesia in children. *Anesth Pain Med* 2017; 12: 140-146
138. Hur M, Koo CH, Lee HC, Park SK, Kim M, Kim WH, **Kim JT**, Bahk JH. Preoperative aspirin use and acute kidney injury after cardiac surgery: A propensity-score matched observational study. *PLoS One*. 2017 May 4;12(5):e0177201, PubMed PMID: 28472145
139. Lee JH, Lee JE, Shin J, Song IK, Kim HS, Kim CS, Kim WH, **Kim JT**. Clinical implications of hypothermic ventricular fibrillation versus beating-heart technique during cardiopulmonary bypass for pulmonary valve replacement in patients with repaired tetralogy of Fallot. *Interact Cardiovasc Thorac Surg*. 2017 Sep 1;25(3):370-376. PubMed PMID: 28535202.
140. Kim SY, Cho S, Lee JH, **Kim JT**, Kim WH. Myocardial Protective Effect of Antegrade Cardioplegic Cardiac Arrest Versus Ventricular Fibrillation During Cardiopulmonary Bypass on Immediate Postoperative and Mid-Term Left Ventricular Function in Right Ventricular Outflow Tract Surgery. *Artif Organs*. 2017 Nov;41(11):988-996. PubMed PMID: 28670776.
141. Kim EH, Lee JH, Song IK, **Kim JT**, Lee WJ, Kim HS. Posterior Tibial Artery as an Alternative to the Radial Artery for Arterial Cannulation Site in Small Children: A Randomized Controlled Study. *Anesthesiology*. 2017 Sep;127(3):423-431 PMID: 28682811.
142. Jung CW, Jalilov G, Song IK, Kim EH, Kim HS, **Kim JT**, Lee JH. Position and relative size of the vertebral artery according to age: Implications for internal jugular vein access. *Paediatr Anaesth*. 2017 Oct;27(10):997-1002 PMID: 28736858.
143. Choi SN, Lee JH, Song IK, Kim EH, **Kim JT**, Kim HS. Pediatric Clinical Trials Conducted in South Korea from 2006 to 2015: An Analysis of the South Korean Clinical Research Information Service, US ClinicalTrials.gov and European Clinical Trials Registries. *Paediatr Drugs*. 2017 Dec;19(6):569-575. PubMed PMID: 28770450.
144. Hur M, Park SK, Koo CH, Jung ED, Kang P, Kim WH, **Kim JT**, Jung CW, Bahk JH. Comparative efficacy and safety of anticoagulants for prevention of venous thromboembolism after hip and knee arthroplasty. *Acta Orthop*. 2017 Dec;88(6):634-641 PubMed PMID: 28787226.
145. Hur M, Lee HC, Lee KH, **Kim JT**, Jung CW, Park HP. The incidence and characteristics of 3-month mortality after intraoperative cardiac arrest in adults. *Acta Anaesthesiol Scand*. 2017 Oct;61(9):1095-1104. PubMed PMID: 28799206.
146. Kim EH, Song IK, Lee JH, Kim HS, Kim HC, Yoon SH, Jang YE, **Kim JT**. Desflurane versus sevoflurane in pediatric anesthesia with a laryngeal mask airway: A randomized controlled trial. *Medicine (Baltimore)*. 2017 Sep;96(35):e7977.
147. Jin SY, Yun HR, Choi YJ, Park JD, **Kim JT**, Kang CH, Park YS, Choi YH, Kim WS, Suh DI. A pediatric case of relapsed pulmonary alveolar proteinosis despite successful whole lung lavage. *Korean J Pediatr*. 2017 Jul;60(7):232-236. PubMed PMID: 28861115
148. Kim EH, Lee JH, Song IK, Ryu HG, Kim HS, **Kim JT**. Assessment of dynamic variables of fluid responsiveness to predict desufflation-induced hypotension during paediatric laparoscopic surgery. *Br J Anaesth*. 2017 Nov 1;119(5):956-963. PubMed PMID: 28981568.

149. Kim EH, Lee JH, Song IK, Kim HS, Jang YE, Choi SN, **Kim JT**. Real-time ultrasound-guided axillary vein cannulation in children: a randomised controlled trial. *Anaesthesia*. 2017 Dec;72(12):1516-1522. PubMed PMID: 28990161.
150. Lee JH, Byon HJ, Choi YH, Song IK, **Kim JT**, Kim HS. Determination of the optimal depth of a left internal jugular venous catheter in infants: A prospective observational study. *Paediatr Anaesth*. 2017 Dec;27(12):1220-1226. PubMed PMID: 29044814.
151. Lee JH, Jang YE, Song IK, Kim EH, Kim HS, **Kim JT**. Near-Infrared Spectroscopy and Vascular Occlusion Test for Predicting Clinical Outcome in Pediatric Cardiac Patients: A Prospective Observational Study. *Pediatr Crit Care Med*. 2018 Jan;19(1):32-39. PubMed PMID: 29140967.
152. Oh HW, Lee JH, Kim HC, Kim EH, Song IK, Kim HS, **Kim JT**. The effect of 6% hydroxyethyl starch (130/0.4) on acute kidney injury in paediatric cardiac surgery: a prospective, randomised trial. *Anaesthesia*. 2018 Feb;73(2):205-215. PMID: 29150842.
153. Song IK, Ji SH, Kim EH, Lee JH, **Kim JT**, Kim HS. Comparison of the effect of different infusion rates of sufentanil on surgical stress index during cranial pinning in children under general anaesthesia: a randomized controlled study. *BMC Anesthesiol*. 2017 Dec 8;17(1):167. doi: 10.1186/s12871-017-0448-6. PubMed PMID: 29216820.
154. Kim EH, Song KY, Song IK, Lee JH, Jang YE, Kim HS, Lee SH, **Kim JT**. An observational study of the optimal placement of a cerebral oximeter probe to avoid the frontal sinus in children. *J Clin Monit Comput*. 2018 Oct;32(5):849-854 PubMed PMID: 29230624.
155. Song IK, Kim EH, Lee JH, Kang P, Kim HS, **Kim JT**. Utility of Perioperative Lung Ultrasound in Pediatric Cardiac Surgery: A Randomized Controlled Trial. *Anesthesiology*. 2018 Apr;128(4):718-727 PubMed PMID: 29309282.
156. Kim EH, Lee JH, Song IK, Kim HS, Jang YE, Kim WH, Kwak JG, **Kim JT**. Potential Role of Transfontanelle Ultrasound for Infants Undergoing Modified Blalock-Taussig Shunt. *J Cardiothorac Vasc Anesth*. 2018 Aug;32(4):1648-1654. PubMed PMID: 29331554.
157. Song IK, Choi S, Lee S, Kim EH, Lee JH, Kim HS, **Kim JT**. Risk Factors for Intraoperative Hypocapnia in Pediatric Neurosurgical Patients: A Retrospective Cohort Study. *Pediatr Neurosurg*. 2018;53(2):121-127 PubMed PMID: 29342464
158. Jang YE, Jeong SA, Kim SY, Song IK, Lee JH, **Kim JT**, Kim HS. The Efficacy of Intraoperative EEG to Predict the Occurrence of Emergence Agitation in the Postanesthetic Room After Sevoflurane Anesthesia in Children. *J Perianesth Nurs*. 2018 Feb;33(1):45-52. PubMed PMID: 29362046.
159. Park SK, Hur M, Yoo S, Choi JY, Kim WH, **Kim JT**, Bahk JH. Effect of remote ischaemic preconditioning in patients with ischaemic heart disease undergoing orthopaedic surgery: a randomized controlled trial. *Br J Anaesth*. 2018 Jan;120(1):198-200. PubMed PMID: 29397131.
160. Hur M, Yoo S, Choi JY, Park SK, Jung DE, Kim WH, **Kim JT**, Bahk JH. Positive end-expiratory pressure-induced increase in external jugular venous pressure does not predict fluid responsiveness in laparoscopic prostatectomy. *J Anesth*. 2018 Jun;32(3):316-325 PubMed PMID:29488025.
161. Lee JH, Kim EH, Jang YE, **Kim JT**, Kim HS. Inhalation of Sevoflurane and Desflurane Can Not Affect QT Interval, Corrected QT, Tp-Te/QT or Tp-Te/JT in Children. *Chin Med J (Engl)*. 2018 Mar 20;131(6):739-740. PubMed PMID: 29521299.
162. Oh HW, Lee JH, **Kim JT**. Safety of hydroxyethyl starch 130/0.4 in paediatric cardiac patients - a reply. *Anaesthesia*. 2018 May;73(5):651-652. PubMed PMID: 29658134.
163. Lee JH, Jang YE, Kim EH, Kim HS, **Kim JT**. Flexion decreases the ventilation quality of the Ambu® AuraGain™ laryngeal mask in paralysed children: A prospective randomised crossover study. *Acta Anaesthesiol Scand*. 2018 May 24. doi: 10.1111/aas.13148. [Epub ahead of print] PubMed PMID: 29797717.
164. Lee JH, Yang S, Park J, Kim HC, Kim EH, Jang YE, **Kim JT**, Kim HS. Time to consider the contact force during photoplethysmography measurement during pediatric anesthesia: A prospective, nonrandomized interventional study. *Paediatr Anaesth* 2018 Jul;28(7):660-667 PubMed PMID: 29920853.
165. Park SK, Yoo S, Kim WH, Lim YJ, Bahk JH, **Kim JT**. Association of nefopam use with postoperative nausea and vomiting in gynecological patients receiving prophylactic ramosetron: A retrospective study. *PLoS One*. 2018 Jun 28;13(6):e0199930. PubMed PMID: 29953514

166. Lee JH, Jung JY, Park SW, Song IK, Kim EH, Kim HS, **Kim JT**. Risk factors of acute kidney injury in children after cardiac surgery. *Acta Anaesthesiol Scand*. 2018 Nov;62(10):1374-1382 PubMed PMID: 29992550.
167. Lee JH, Jung H, Kim EH, Song IK, Kim HS, **Kim JT**. Optimal inspiratory pressure for face mask ventilation in paralyzed and unparalyzed children to prevent gastric insufflation: a prospective, randomized, non-blinded study. *Can J Anaesth*. 2018 Dec;65(12):1288-1295 PubMed PMID: 29998359.
168. Kim KM, Kwak JG, Shin BC, Kim ER, Lee JH, Kim EH, **Kim JT**, Kim WH. Early Experiences with Ultra-Fast-Track Extubation after Surgery for Congenital Heart Disease at a Single Center. *Korean J Thorac Cardiovasc Surg*. 2018 Aug;51(4):247-253. PubMed PMID: 30109202; PubMed Central PMCID: PMC6089621.
169. Hur M, Park SK, Shin J, Choi JY, Yoo S, Kim WH, **Kim JT**. The effect of remote ischemic preconditioning on serum creatinine in patients undergoing partial nephrectomy: a study protocol for a randomized controlled trial. *Trials*. 2018 Sep 4;19(1):473. PubMed PMID: 30180887.
170. Park SK, Son YG, Yoo S, Lim T, Kim WH, **Kim JT**. Deep vs. moderate neuromuscular blockade during laparoscopic surgery: A systematic review and meta-analysis. *Eur J Anaesthesiol*. 2018 Nov;35(11):867-875. PubMed PMID: 30188357.
171. Lee JH, Byon HJ, Choi S, Jang YE, Kim EH, **Kim JT**, Kim HS. Safety and Efficacy of Off-label and Unlicensed Medicines in Children. *J Korean Med Sci*. 2018 Jul 19;33(37):e227. PubMed PMID: 30190655; PubMed Central PMCID: PMC6125315.
172. Kang P, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Safety and efficacy of propofol anesthesia for pediatric target-controlled infusion in children below 3 years of age: a retrospective observational study. *Expert Opin Drug Saf*. 2018 Oct;17(10):983-989. PubMed PMID:30221553.
173. Hur M, Park SK, Jung DE, Yoo S, Choi JY, Kim WH, **Kim JT**, Bahk JH. Effect of prolonged inspiratory time on gas exchange during robot-assisted laparoscopic urologic surgery. *Anaesthesist*. 2018 Nov;67(11):859-867 PubMed PMID: 30225665
174. Kang P, Park SK, Yoo S, Hur M, Kim WH, **Kim JT**, Bahk JH. Comparative effectiveness of pharmacologic interventions to prevent shivering after surgery: a network meta-analysis. *Minerva Anesthesiol*. 2019 Jan;85(1):60-70 PubMed PMID: 30226340
175. Lee JH, **Kim JT**. Risk factors of acute kidney injury in children after cardiac surgery-Reply. *Acta Anaesthesiol Scand*. 2019 Feb;63(2):276. PubMed PMID: 30238437.
176. Lee JH, Kang PY, Jang YE, Kim EH, **Kim JT**, Kim HS. A pharmacodynamic model of respiratory rate and end-tidal carbon dioxide values during anesthesia in children. *Acta Pharmacol Sin*. 2019 May;40(5):642-647 PubMed PMID: 30166623.
177. Park J, Yang S, Lee JH, **Kim JT**, Kim HS, Kim HC. The importance of sensor contacting force for predicting fluid responsiveness in children using respiratory variations in pulse oximetry plethysmographic waveform. *J Clin Monit Comput*. 2019 Jun;33(3):393-401 PubMed PMID: 30008089.
178. Jang YE, Lee JH, Yoon HC, Kim EH, Lee JH, Kim HS, **Kim JT**. Predicting the Depth of the Lumbar Plexus in Pediatric Patients: A Retrospective Magnetic Resonance Imaging Study. *Anesth Analg*. Jan;130(1):201-208. PubMed PMID: 30286003
179. Jang YE, Lee JH, Seo YS, Yoon HC, Lee HS, Lee HJ, Jo HD, Lee JH, **Kim JT**. Lumbosacral and thoracolumbosacral cerebrospinal fluid volume changes in neonates, infants, children, and adolescents: a retrospective magnetic resonance imaging study. *Paediatr Anaesth*. 2019 Jan;29(1):92-97. PubMed PMID: 30347458.
180. Yoo S, Lee HB, Han W, Noh DY, Park SK, Kim WH, **Kim JT**. Total Intravenous Anesthesia versus Inhalation Anesthesia for Breast Cancer Surgery: A Retrospective Cohort Study. *Anesthesiology*. 2019 Jan;130(1):31-40. PMID: 30376457
181. Yoo S, Park SK, Kim WH, Hur M, Bahk JH, Lim YJ, **Kim JT**. Influence of head and neck position on performance of the Ambu® AuraGain™ laryngeal mask: a randomized crossover study. *Minerva Anesthesiol* 2019 Feb;85(2):133-138 PubMed PMID: 29589419.
182. Kim WH, Hur M, Park SK, Yoo S, Lim T, Yoon HK, **Kim JT**, Bahk JH. Comparison between general, spinal, epidural, and combined spinal-epidural anesthesia for cesarean delivery: a network meta-analysis. *Int J Obstet Anesth*. 2019 Feb;37:5-15. PubMed PMID: 30415797.

183. Song IK, Kim EH, Lee JH, Jang YE, Kim HS, **Kim JT**. Seldinger vs modified Seldinger techniques for ultrasound-guided central venous catheterization in neonates: a randomised controlled trial. *Br J Anaesth*. 2018 Dec;121(6):1332-1337. doi: 10.1016/j.bja.2018.08.008. Epub 2018 Sep 7. PubMed PMID: 30442261.
184. Choi SN, Jang YE, Lee JH, Kim EH, **Kim JT**, Kim HS. Comparison of rocuronium requirement in children with continuous infusion versus intermittent bolus: A randomised controlled trial. *Eur J Anaesthesiol*. 2019 Mar;36(3):194-199. PubMed PMID: 30540640
185. Yoo S, Choi SN, Park SK, Kim WH, Lim YJ, **Kim JT**. Safety margin for needle placement during lumbar plexus block: An anatomical study using magnetic resonance imaging. *Can J Anaesth*. 2019 Mar;66(3):302-308 PubMed PMID: 30569307.
186. Jang YE, Kwak JG, Min JC, Kim EH, **Kim JT**, Kim HS, Lee JH. Iatrogenic Mitral Regurgitation After Muscular Ventricular Septal Defect Repair Detected by Transesophageal Echocardiography in a Pediatric Patient. *A A Pract*. 2019 Mar 15;12(6):218-220. PubMed PMID: 30575609.
187. Hur M, Park SK, Yoon HK, Yoo S, Lee HC, Kim WH, **Kim JT**, Ku JH, Bahk JH. Comparative effectiveness of interventions for managing postoperative catheter-related bladder discomfort: a systematic review and network meta-analysis. *J Anesth*. 2019 Apr;33(2):197-208. PubMed PMID: 30603826.
188. Park SK, Kim WH, **Kim JT**. The choice of vasopressor and umbilical artery pH. *J Anesth*. 2019 Apr;33(2):342] PubMed PMID: 30617590.
189. Park SK, Lee JH, Yoo S, Kim WH, Lim YJ, Bahk JH, **Kim JT**. Comparison of bupivacaine plus intrathecal fentanyl and bupivacaine alone for spinal anesthesia with intravenous dexmedetomidine sedation: a randomized, double-blind, noninferiority trial. *Reg Anesth Pain Med*. 2019 Apr;44(4):459-465 PubMed PMID: 30679336.
190. Hur M, Park SK, Yoo S, Choi SN, Jeong CW, Kim WH, **Kim JT**, Kwak C, Bahk JH. The association between intraoperative urine output and postoperative acute kidney injury differs between partial and radical nephrectomy. *Sci Rep*. 2019 Jan 24;9(1):760 PubMed PMID: 30679704.
191. Lee JH, Jung H, Jang YE, Kim EH, Song IK, Kim HS, **Kim JT**. Manual vs pressure-controlled facemask ventilation during the induction of general anesthesia in children: A prospective randomized controlled study. *Paediatr Anaesth* 2019 Apr;29(4):331-337. PMID: 30714260
192. Yoo S, Kim WH, **Kim JT**. Transcranial MEP monitoring of vagus nerve. *J Anesth* 2019 Apr;33(2):346 PMID: 30852683.
193. Kim EH, Lee JH, Song IK, Kim HS, Jang YE, **Kim JT**. Respiratory Variation of Internal Carotid Artery Blood Flow Peak Velocity Measured by Transfontanelle Ultrasound to Predict Fluid Responsiveness in Infants: A Prospective Observational Study. *Anesthesiology* 2019 May;130(5):719-727. PubMed PMID: 30907762.
194. Lee JH, Bae JI, Jang YE, Kim EH, Kim HS, **Kim JT**. Lung protective ventilation during pulmonary resection in children: a prospective, single-centre, randomised controlled trial. *Br J Anaesth* 2019 May;122(5):692-701 PubMed PMID: 30916035.
195. Yoo S, Park SK, Kim WH, Hur M, Bahk JH, Lim YJ, **Kim JT**. The effect of neck extension on success rate of blind intubation through Ambu® AuraGain™ laryngeal mask: a randomized clinical trial. *Can J Anaesth* 2019 Jun;66(6):639-647. PubMed PMID: 30919236.
196. Kim EH, Lee JH, Song IK, Kim HS, Jang YE, Yoo SH, **Kim JT**. Accuracy of pulse oximeters at low oxygen saturations in children with congenital cyanotic heart disease: an observational study. *Paediatr Anaesth*. 2019 Apr 2. [Epub ahead of print] PubMed PMID: 30938906.
197. Park SK, Yoo S, Kim WH, Lim YJ, Bahk JH, **Kim JT**. Ultrasound-assisted vs. landmark -guided paramedian spinal anaesthesia in the elderly: A randomized controlled trial. *Eur J Anaesthesiol*. 2019 Oct;36(10):763-771 PubMed PMID: 31188153.
198. Ji SH, Song IK, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Comparison of pulse pressure variation and pleth variability index in the prone position in pediatric patients under 2 years old. *Korean J Anesthesiol*. 2019 Jun 20. PubMed PMID: 31216847.
199. Jang YE, Kim EH, Lee JH, Kim HS, **Kim JT**. Guidewire-assisted vs. direct radial arterial cannulation in neonates and infants: A randomised controlled trial. *Eur J Anaesthesiol*. 2019 Jul 25. PubMed PMID: 31356376.

200. Song IK, Jang YE, Lee JH, Kim EH, Yoo S, Kim HS, **Kim JT**. Effect of different fraction of inspired oxygen on development of atelectasis in mechanically ventilated children: A randomized controlled trial. *Paediatr Anaesth*. 2019 Aug 14. PubMed PMID: 31411351.
201. Lee JH, Park S, Jang YE, Kim EH, Kim HS, **Kim JT**. The distance between the glottis and cuff of a tracheal tube placed through three supraglottic airway devices in children: A randomised controlled trial. *Eur J Anaesthesiol*. 2019 Aug 13. PubMed PMID: 31415305.
202. Kim MS, Ahn S, Chung EJ, Choi S, **Kim JT**, Ryu HG. The Utility of ABO Testing in Pediatric Patients Undergoing Elective Surgery. *J Clin Med*. 2019 Sep 2;8(9). PubMed PMID: 31480777
203. Lee HJ, Bae J, Kwon Y, Jang HS, Yoo S, Jeong CW, **Kim JT**, Kim WH. General Anesthetic Agents and Renal Function after Nephrectomy. *J Clin Med*. 2019 Sep 24;8(10). pii: E1530. doi: 10.3390/jcm8101530. PubMed PMID: 31554223.
204. Lee JH, Kim EH, Jang YE, Kim HS, **Kim JT**. Fluid responsiveness in the pediatric population. *Korean J Anesthesiol*. 2019 Oct;72(5):429-440. doi: 10.4097/kja.19305. Epub 2019 Oct 1. PubMed PMID: 31591858
205. Yoo S, Chung JY, Ro DH, Han HS, Lee MC, **Kim JT**. The Hemodynamic Effect of Epinephrine-Containing Local Infiltration Analgesia After Tourniquet Deflation During Total Knee Arthroplasty: A Retrospective Observational Study. *J Arthroplasty* 2020 Jan;35(1):76-81. PubMed PMID: 31542268.
206. Bae J, Park SK, Yoo S, Lim YJ, **Kim JT**. Influence of age, laterality, patient position, and spinal level on the interlamina space for spinal puncture. *Reg Anesth Pain Med*. 2020;45:27–31. PubMed PMID: 31690644
207. Chung J, Bae J, Kwon Y, Yoon HK, Yoo S, Lee HJ, Park SK, **Kim JT**, Kim WH. Neutrophil/Lymphocyte Ratio in Patients Undergoing Noncardiac Surgery After Coronary Stent Implantation. *J Cardiothorac Vasc Anesth*. 2020 Jun;34(6):1516-1525. PubMed PMID: 31708423.
208. Lee JH, Kwon YL, Na JH, Jang YE, Kim EH, Kim HS, **Kim JT**. Is dynamic arterial elastance a predictor of an increase in blood pressure after fluid administration in paediatric patients with hypotension?: Reanalysis of prospective observational studies. *Paediatr Anaesth*. 2020 Jan;30(1):34-42. PubMed PMID: 31730254.
209. Yoon SB, Ji SH, Jang YE, Lee JH, Kim EH, **Kim JT**, Kim HS. Effects of prone positioning with neck extension on intracranial pressure according to optic nerve sheath diameter measured using ultrasound in children. *Childs Nerv Syst*. 2020 May;36(5):1001-1007. PubMed PMID: 31797072.
210. Lim L, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Comparison of the Effects of Sufentanil and Fentanyl in Intravenous Patient-Controlled Analgesia after Pediatric Moyamoya Surgery: A Retrospective Study. *Pediatr Neurosurg*. 2020;55(1):36-41. PubMed PMID: 31940654.
211. Yoon HK, Jun K, Park SK, Ji SH, Jang YE, Yoo S, **Kim JT**, Kim WH. Anesthetic Agents and Cardiovascular Outcomes of Noncardiac Surgery after Coronary Stent Insertion. *J Clin Med*. 2020 Feb 5;9(2). pii: E429. doi: 10.3390/jcm9020429. PubMed PMID: 32033364.
212. Yoo S, **Kim JT**. Anesthesia and Cancer Recurrence: Comment. *Anesthesiology*. 2020 May;132(5):1279-1280 PubMed PMID: 32053560.
213. Lee JH, Choi S, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Effect of an ultrasound-guided lung recruitment manoeuvre on postoperative atelectasis in children: A randomised controlled trial. *Eur J Anaesthesiol*. 2020 Aug;37(8):710-727. PubMed PMID: 32068572.
214. Lee JH, Nam S, Jang YE, Kim EH, Kim HS, **Kim JT**. Clinical performance of Ambu AuraGain™ versus I-gel in anesthetized children: a prospective, randomized controlled trial. *Anesth Pain Med* 2020;15(2):173-180 PMID: 33329810
215. Kim WH, **Kim JT**. Catheter-related bladder discomfort in gynecologic surgery. *J Anesth*. 2020 Jun;34(3):478. PubMed PMID: 32146542.
216. Jang YE, Ji SH, Kim EH, Lee JH, **Kim JT**, Kim HS. Effect of regular alveolar recruitment on intraoperative atelectasis in paediatric patients ventilated in the prone position: a randomised controlled trial. *Br J Anaesth* 2020 May;124(5):648-655 PubMed PMID: 32169254
217. Ji SH, Lee JH, Cho JY, Kim HS, Jang YE, Kim EH, **Kim JT**, Kim HS. External Validation of a Pharmacokinetic Model of Propofol for Target-Controlled Infusion in Children under Two Years Old. *J Korean Med Sci*. 2020 Mar 23;35(11):e70. doi:10.3346/jkms.2020.35.e70. PubMed PMID: 32193901; PubMed Central PMCID:PMC7086090.

218. Yhim HB, Yoon SH, Jang YE, Lee JH, Kim EH, **Kim JT**, Kim HS. Effects of benzydamine hydrochloride on postoperative sore throat after extubation in children: a randomized controlled trial. *BMC Anesthesiol.* 2020 Apr 4;20(1):77. doi: 10.1186/s12871-020-00995-y. PubMed PMID: 32247315.
219. Yoon SB, Ji SH, Jang YE, Lee JH, Kim EH, **Kim JT**, Kim HS. Effects of prone positioning with neck extension on intracranial pressure according to optic nerve sheath diameter measured using ultrasound in children. *Childs Nerv Syst.* 2020 May;36(5):1001-1007PubMed PMID: 31797072.
220. Park SK, Bae J, Yoo S, Kim WH, Lim YJ, Bahk JH, **Kim JT**. Ultrasound-Assisted Versus Landmark-Guided Spinal Anesthesia in Patients With Abnormal Spinal Anatomy: A Randomized Controlled Trial. *Anesth Analg.* 2020 Mar;130(3):787-795 PubMed PMID: 31880632.
221. Jang YE, Ji SH, Kim EH, Lee JH, Kim HS, Mossad EB, **Kim JT**. Subcutaneous Nitroglycerin for Radial Arterial Catheterization in Pediatric Patients: A Randomized Controlled Trial. *Anesthesiology* 2020 Jul;133(1):53-63. PubMed PMID: 32282432.
222. Jang YE, Park JB, Kang CH, Park S, Kim EH, Lee JH, Kim HS, **Kim JT**. Cardiopulmonary resuscitation in pediatric pectus excavatum patients - where is the heart? *Paediatr Anaesth* 2020 Jun;30(6):698-707. PubMed PMID: 32298510.
223. Kim EH, Kim H, Lee JH, **Kim JT**, Jang YE, Ji SH, Kim HS. Role of TFA-1 adhesive forehead sensors in predicting fluid responsiveness in anaesthetised children: A prospective cohort study. *Eur J Anaesthesiol* 2020 Aug;37(8):713-718 PubMed PMID: 32412989.
224. Kim WH, **Kim JT**. Comment on "Preoperative Statin Use and 90-day Mortality After Noncardiac Surgery". *Ann Surg* 2020 Jun 3. PMID: 32502082.
225. Lee HJ, Kwon Y, Bae J, Yoo S, Yoon HC, Yoon SH, **Kim JT**, Bahk JH, Kim WH. Hydroxyethyl Starch 6% 130/0.4 in a Balanced Electrolyte Solution and Renal Function After Nephrectomy. *Anesth Analg.* 2020 Jun 3. PMID: 32502138.
226. Kim WH, Cho YJ, **Kim JT**. Comment on "Effect of Remote Ischemic Preconditioning Conducted in Living Liver Donors on Postoperative Liver Function in Donors and Recipients After Liver Transplantation". *Ann Surg.* 2020 Jun 4. PMID: 32511131.
227. Cho SA, Jang YE, Kim EH, Lee JH, Ji SH, Kim HS, **Kim JT**. Catastrophic Case Scenario During Percutaneous Pulmonary Valve Replacement. *J Cardiothorac Vasc Anesth* 2020 May 22;S1053-0770(20)30480-8. PMID: 32591251
228. Kim WH, **Kim JT**. Machine learning-based mortality prediction: how to be connected to daily clinical practice? *Eur Heart J.* 2020 Aug 7;41(30):2913. PMID: 32607586
229. Lee JH, Ji SH, Lee HC, Jang YE, Kim EH, Kim HS, **Kim JT**. Evaluation of the intratidal compliance profile at different PEEP levels in children with healthy lungs: a prospective, crossover study. *Br J Anaesth.* 2020 Nov;125(5):818-825 PMID: 32682552
230. Kim EH, Lee JH, Kim HS, Jang YE, Ji SH, Kim WH, Kwak JG, **Kim JT**. Effects of intraoperative dexmedetomidine on the incidence of acute kidney injury in pediatric cardiac surgery patients: A randomized controlled trial. *Paediatr Anaesth* 2020 Oct;30(10):1132-1138. PMID: 32780926
231. Kim EH, Lee HC, Chung J, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS. Flow-Mediated Dilatation of the Brachial Artery for Assessing Endothelial Dysfunction in Children with Moyamoya Disease. *Pediatr Neurosurg.* 2020;55(3):149-154 PMID: 32781453
232. Yoon S, Yoo S, Hur M, Park SK, Lee HC, Jung CW, Bahk JH, **Kim JT**. The cumulative duration of bispectral index less than 40 concurrent with hypotension is associated with 90-day postoperative mortality: a retrospective study. *BMC Anesthesiol.* 2020 Aug 14;20(1):200. PMID: 32795266
233. Chung J, Ji SH, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Evaluation of Different Near-Infrared Spectroscopy Devices for Assessing Tissue Oxygenation with a Vascular Occlusion Test in Healthy Volunteers. *J Vasc Res.* 2020 Sep 7:1-7. PMID: 32894846
234. Lee HJ, Kwon Y, Bae J, Yoo S, Yoon HC, Yoon SH, **Kim JT**, Bahk JH, Kim WH. Hydroxyethyl Starch 6% 130/0.4 in a Balanced Electrolyte Solution and Renal Function After Nephrectomy. *Anesth Analg* 2020 Oct;131(4):1260-1269. PMID: 32925347

235. Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Effect of spontaneous breathing on atelectasis during induction of general anaesthesia in infants: A prospective randomised controlled trial. *Eur J Anaesthesiol* 2020 Dec;37(12):1150-1156. PMID: 33009186
236. Park SK, **Kim JT**. In response. *Anesth Analg* 2020; 131(1):e25. PMID:33035016
237. Yoo S, Kim Y, Park SK, Ji SH, **Kim JT**. Ultrasonography for lumbar neuraxial block. *Anesth Pain Med.* 2020;15(4):397-408. PMID: 33329842
238. Park JB, Cho SA, Jang YE, Kim EH, Lee JH, Ji SH, Kim HS, **Kim JT**. Unusual Cerebral Blood Flow Pattern Detected With Intraoperative Transfontanelle Ultrasonography in Infants Undergoing Rebanding of Modified Blalock-Taussig Shunt. *J Cardiothorac Vasc Anesth.* 2020 Oct 15:S1053-0770(20)31129-0. PMID: 33153869
239. Lee JH, Choi S, Lee M, Jang YE, Kim EH, **Kim JT**, Kim HS. Effect of magnesium supplementation on emergence delirium and postoperative pain in children undergoing strabismus surgery: a prospective randomised controlled study. *BMC Anesthesiol.* 2020 Nov 18;20(1):289. PMID: 33208099
240. Lee KH, Jung CW, **Kim JT**, Kang BC. Forward blood flow provoked by changing intravascular pressure using an extracorporeal circulation during cardiopulmonary resuscitation. *Signa Vitae* 2020 Nov10
241. Kim EH, Lee JH, Jang YE, Ji SH, Cho SA, **Kim JT**, Kim HS. Effect of positive end-expiratory pressure during anaesthesia induction on nonhypoxic apnoea time in infants: A randomised controlled trial. *Eur J Anaesthesiol.* 2020 Nov 24. PMID: 33259454.
242. Choi SN, Ji SH, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Comparison of Remifentanyl consumption in pupillometry-guided versus conventional administration in children: a randomised controlled trial. *Minerva Anesthesiol* 2021 Mar;87(3):302-311 PMID: 33300323
243. Lee JH, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS. Application of a High-Flow Nasal Cannula for Prevention of Postextubation Atelectasis in Children Undergoing Surgery: A Randomized Controlled Trial *Anesth Analg.* 2021 Aug 1;133(2):474-482.. PMID: 33181560
244. Kim WH, Bae J, Ji SH, Shin KW, **Kim JT**, Lim YJ, Bahk JH. Dividing stage 1 acute kidney injury after cardiac or thoracic aortic surgery. *Ann Thorac Surg.* 2021 May;111(5):1458-1464 PMID: 32956671
245. Kim EH, Lee JH, Jang YE, Ji SH, Kim HS, Cho SA, **Kim JT**. Prediction of fluid responsiveness using lung recruitment manoeuvre in paediatric patients receiving lung-protective ventilation: A prospective observational study. *Eur J Anaesthesiol.* 2021 May 1;38(5):452-458.. PMID: 33186310
246. Yoo S, Bae J, Ro DH, Han HS, Lee MC, Park SK, Lim YJ, Bahk JH, **Kim JT**. Efficacy of intra-operative administration of iron isomaltoside for preventing postoperative anaemia after total knee arthroplasty: A randomised controlled trial. *Eur J Anaesthesiol.* 2021 Apr 1;38(4):358-365. PMID: 33259451.
247. Kang P, Lee JH, Jang YE, Kim EH, **Kim JT**, Kim HS. A pharmacodynamic model of tidal volume and inspiratory sevoflurane concentration in children during spontaneous breathing. *J Pharmacokinet Pharmacodyn.* 2021 Jan PMID: 33387166
248. Kim H, Kim TK, Yoo S, **Kim JT**. Influence of flow rate, fluid temperature, and extension line on Hotline and S-line heating capability: an in vitro study. *BMC Anesthesiol.* 2021 Jan 4;21(1):1 PMID: 33397294.
249. Park SK, Yang H, Yoo S, Kim WH, Lim YJ, Bahk JH, **Kim JT**. Ultrasound-guided versus conventional lung recruitment manoeuvres in laparoscopic gynaecological surgery: A randomised controlled trial. *Eur J Anaesthesiol.* 2021 Mar 1;38(3):275-284. PMID: 33399385
250. Park SK, Kim H, Yoo S, Kim WH, Lim YJ, **Kim JT**. Predicted Versus Non-Predicted Opioid Administration Using Preoperative Pain Sensitivity in Patients Undergoing Gynecological Surgery: A Randomized-Controlled Trial. *J Clin Med* 2021 Feb 4;10(4):585. PMID: 33557259
251. Lee JH, Cho SA, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Use of Airway Ultrasound in Infants With Unexpected Subglottic Stenosis During Anesthesia Induction: A Case Report. *A A Pract.* 2021 Feb 5;15(2):e01369. PMID: 33560646.
252. Kim EH, Jang YE, Ji SH, Lee JH, Cho SA, **Kim JT**, Yoon H, Kim HS. Changes in Plasma Glial Fibrillary Acidic Protein in Children Receiving Sevoflurane Anesthesia: A Preliminary Randomized Trial. *J Clin Med* 2021 Feb 9;10(4):662. PMID: 33572213.

253. Lee HJ, Cho Y, Joo H, Jeon JY, Jang YE, **Kim JT**. Comparative study of verbal rating scale and numerical rating scale to assess postoperative pain intensity in the post anesthesia care unit: A prospective observational cohort study. *Medicine (Baltimore)*. 2021 Feb 12;100(6):e24314. PMID: 33578527
254. Cho SA, Jang YE, Ji SH, Kim EH, Lee JH, Kim HS, **Kim JT**. Ultrasound-guided arterial catheterization. *Anesth Pain Med (Seoul)*. 2021 Apr 15
255. Choe SH, Cho H, Bae J, Ji SH, Yoon HK, Lee HJ, Lee JH, **Kim JT**, Kim WH. Severity and Duration of Acute Kidney Injury and Chronic Kidney Disease after Cardiac Surgery. *J Clin Med*. 2021 Apr 7;10(8):1556. PMID: 33917221
256. Lee JH, Cho SA, Choe HW, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS. Effects of tip-manipulated stylet angle on intubation using the GlideScope® videolaryngoscope in children: a prospective randomized controlled trial *Paediatr Anaesth* 2021 Jul;31(7):802-808. PMID: 33999472
257. Choi SN, Ji SH, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Predicting hypotension during anaesthesia: variation in pulse oximetry plethysmography predicts propofol-induced hypotension in children *Paediatr Anaesth*. 2021 Aug;31(8):894-901. PMID: 34018647
258. Lee J, Kim DK, Kang EK, **Kim JT**, Na JY, Park B, Yeom SR, Oh JS, Jhang WK, Jeong SI, Jung JH, Choi YH, Choi JY, Park JD, Hwang SO; Steering Committee of 2020 Korean Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. 2020 Korean Guidelines for Cardiopulmonary Resuscitation. Part 6. Pediatric basic life support. *Clin Exp Emerg Med*. 2021 May;8(S):S65-S80. PMID: 34034450
259. Choi YH, Kim DK, Kang EK, **Kim JT**, Na JY, Park B, Yeom SR, Oh JS, Lee J, Jhang WK, Jeong SI, Jung JH, Choi JY, Park JD, Hwang SO; Steering Committee of 2020 Korean Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. 2020 Korean Guidelines for Cardiopulmonary Resuscitation. Part 7. Pediatric advanced life support. *Clin Exp Emerg Med*. 2021 May;8(S):S81-S95. PMID: 34034451
260. Kim EH, Yoon HC, Lee JH, Kim HS, Jang YE, Ji SH, Cho SA, **Kim JT**. Prediction of gastric fluid volume by ultrasonography in infants undergoing general anaesthesia. *Br J Anaesth*. 2021 Aug;127(2):275-280. PMID: 34045064
261. Park SK, Lim T, Cho H, Yoon HK, Lee HJ, Lee JH, Yoo S, **Kim JT**, Kim WH. Comparative effectiveness of pharmacological interventions to prevent postoperative delirium: a network meta-analysis *Sci Rep*. 2021 Jun 7;11(1):11922. PMID: 34099790
262. Ji SH, Yoo SJ, Cho SA, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Ultrasound-guided insertion of peripherally inserted central catheter after anesthetic induction in children undergoing surgery for moyamoya disease - A case report. *Anesth Pain Med (Seoul)*. 2021 Jul;16(3):273-278. PMID: 34233410
263. Jang YE, Cho SA, Ji SH, Kim EH, Lee JH, Kim HS, **Kim JT**. Smart Glasses for Radial Arterial Catheterization in Pediatric Patients: A Randomized Clinical Trial. *Anesthesiology*. 2021 Oct 1;135(4):612-620. PMID: 34352073
264. Jang YE, **Kim JT**, Lee JH. Interventricular septal hematoma detected by transesophageal echocardiography after congenital heart surgery in an infant: a case report. *Eur J Med Res*. 2021 Aug 25;26(1):97. doi: 10.1186/s40001-021-00552-4. PMID: 34433488
265. Kim Y, Yoo S, Park SK, Bae H, Lim YJ, **Kim JT**. Optimal angle of needle insertion for spinal anesthesia in patients with spondylolisthesis: an ultrasonographic study. *BMC Anesthesiol* 2021 Sep 8;21(1):221. PMID: 34496754
266. Jang YE, Ji SH, Lee JH, Kim EH, **Kim JT**, Kim HS. The relationship between the effect-site concentration of propofol and sedation scale in children: a pharmacodynamic modeling study. *BMC Anesthesiol* 2021 Sep 9;21(1):222. PMID: 34503455
267. Lee JH, Kang P, Song IS, Ji SH, Lee HC, Jang YE, Kim EH, Kim HS, **Kim JT**. Determining optimal positive end-expiratory pressure and tidal volume in children by intratidal compliance: a prospective observational study. *Br J Anaesth*. 2021 Oct 19 PMID: 34686309
268. Kim EH, Lee JH, Kim HS, Jang YE, Ji SH, Kang P, Song IS, **Kim JT**. Central venous catheter-related thrombosis in pediatric surgical patients: A prospective observational study. *Paediatr Anaesth* 2021 Nov 29 PMID: 34843146
269. Yoo S, **Kim JT**. Reply to: Efficacy of intra-operative administration of iron isomaltoside for preventing postoperative anaemia after total knee arthroplasty. *Eur J Anaesthesiol* 2022; 39(2): 187 PMID: 34980860

270. Park SK, Park DN, Kim YW, Yoo S, Kim WH, Lim YJ, Park JS, Jun JK, **Kim JT**. Colloid coload versus crystalloid coload to prevent maternal hypotension in women receiving prophylactic phenylephrine infusion during caesarean delivery: a randomised controlled trial. *Int J Obstet Anesth* 2021 PMID: 35012809
271. Lee JH, Jang HS, Kang P, Song IS, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Prediction of fluid responsiveness following liver compression in pediatric patients with single ventricle physiology. *Paediatr Anaesth* 2022 Feb 13 PMID: 35156257
272. Lee JH, Song IS, Kang P, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Validation of the Masimo O3™ regional oximetry device in pediatric patients undergoing cardiac surgery. *J Clin Monit Comput* 2022 Feb 15. PMID: 35169968
273. Jang YE, Nam S, Ji SH, Kim EH, Lee JH, Jung JH, Kim HS, **Kim JT**. Effect of end-tidal carbon dioxide level on the optic nerve sheath diameter measured by transorbital ultrasonography in anesthetized pediatric patients: A randomized trial. *Paediatr Anaesth*. 2022 Mar 13. doi: 10.1111/pan.14437. Online ahead of print. PMID: 35279906
274. Cho SA, Kang PY, Song IS, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS, Kim EH. Performance time of anesthesiology trainees for cricothyroid membrane identification and characteristics of cricothyroid membrane in pediatric patients using ultrasonography. *Paediatr Anaesth*. 2022 Apr 1. doi: 10.1111/pan.14451. Online ahead of print. PMID: 35362653
275. Song IS, Yoo S, **Kim JT**, Seo YS, Choi Y. Anatomical changes of the ligamentum flavum and the epidural space after spinal surgery: a retrospective magnetic resonance imaging study. *Minerva Anesthesiol*. 2022 Apr 5. doi: 10.23736/S0375-9393.22.16405-9. Online ahead of print. PMID: 35381841
276. Ji SH, Kang P, Song IS, Jang YE, Lee JH, **Kim JT**, Kim HS, Kim EH. The effect of dexmedetomidine on neuroprotection in pediatric cardiac surgery patients: study protocol for a prospective randomized controlled trial. *Trials*. 2022 Apr 8;23(1):271. doi: 10.1186/s13063-022-06217-9. PMID: 35395776
277. Ji SH, Cho SA, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Pupil response to painful stimuli during inhalation anaesthesia without opioids in children. *Acta Anaesthesiol Scand*. 2022 Apr 11. doi: 10.1111/aas.14071. Online ahead of print. PMID: 35403238
278. Park SK, Cheun H, Kim YW, Bae J, Yoo S, Kim WH, Lim YJ, **Kim JT**. Ultrasound-assisted spinal anesthesia: A randomized comparison between midline and paramedian approaches. *J Clin Anesth*. 2022 Apr 11;80:110823. doi: 10.1016/j.jclinane.2022.110823. Online ahead of print. PMID: 35421679
279. Kim Y, Bae H, Yoo S, Park SK, Lim YJ, Sakura S, **Kim JT**. Effect of remifentanyl on post-operative analgesic consumption in patients undergoing shoulder arthroplasty after interscalene brachial plexus block: a randomized controlled trial. *J Anesth*. 2022 Jun 22. Online ahead of print. PMID: 35732849
280. Kim EH, Kang P, Song IS, Ji SH, Jang YE, Lee JH, Kim HS, **Kim JT**. Straight-tip guidewire versus J-tip guidewire for central venous catheterisation in neonates and small infants: A randomised controlled trial. *Eur J Anaesthesiol*. 2022 Jul 6. Online ahead of print. PMID: 35793466
281. Kim EH, Ji SH, Lee JH, **Kim JT**, Jang YE, Kwon SK, Kim HS. Use of high-flow nasal oxygen in spontaneously breathing pediatric patients undergoing tubeless airway surgery: A prospective observational study. *Medicine (Baltimore)*. 2022 Jul 8;101(27). PMID: 35801795
282. Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Usefulness of bispectral index and patient state index during sevoflurane anesthesia in children: A prospective observational study. *Medicine (Baltimore)* 2022 Jul 29;101(30):e29925. PMID: 35905224
283. Kim Y, **Kim JT**. Response to letter: Assessing analgesic consumption after shoulder surgery. *J Anesth* 2022 Aug 9. PMID: 35943587
284. Kim EH, Cho SA, Kang P, Song IS, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS. Ultrasound-guided esophageal compression during mask ventilation in small children: a prospective observational study. *BMC Anesthesiol* 2022 Aug 15;22(1):257. PMID: 35971064
285. Cho SA, Lee JH, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Critical incidents associated with pediatric anesthesia: changes over 6 years at a tertiary children's hospital. *Anesth Pain Med (Seoul)*. 2022 Oct;17(4):386-396. PMID: 36317431
286. Kim EH, Park JB, Kang P, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS. Response of internal carotid artery blood flow velocity to fluid challenge under general anesthesia in pediatric patients with moyamoya disease: A prospective observational study. *Paediatr Anaesth*. 2022 Dec;32(12):1330-1338. PMID: 36164813

287. Ji SH, Huh KY, Oh J, Jeong HJ, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Reversal of rocuronium-induced intense neuromuscular blockade by sugammadex in Korean children: A pharmacokinetic and pharmacodynamic analysis. *Clin Transl Sci*. 2022 Oct 1. Online ahead of print. PMID: 36181377
288. Yoon HK, Bae H, Yoo S, Kim YW, Bae J, Park SK, Kim H, Lim YJ, **Kim JT**. Relationships between common carotid artery blood flow and anesthesia, pneumoperitoneum, and head-down tilt position: a linear mixed-effect analysis. *J Clin Monit Comput*. 2022 Dec 4. PMID: 36463542
289. Bae J, Yoo S, Kim H, Kim Y, **Kim JT**, Lim YJ, Kim HS. Effect of real-time binaural music on sedation with dexmedetomidine during spinal anesthesia: A triple-arm, assessor-blind, randomized controlled trial. *J Clin Anesth*. 2023 Feb;84:110997. PMID: 36371942
290. Park JB, Kang PY, Kim T, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS, Lee JH. The usefulness of C-curved stylet for intubation with the C-MAC® Miller videolaryngoscope in neonates and infants: A prospective randomized controlled trial. *Korean J Anesthesiol* 2022 Dec 23. Online ahead of print. PMID: 36550777
291. Yoo S, Jeong CW, Kim H, Kim Y, Hur M, Lim YJ, **Kim JT**. Association of Volatile Versus Intravenous Anesthesia With Prognosis After Nephrectomy for Renal Cell Carcinoma. *In Vivo*. 2023 Jan-Feb;37(1):468-475. PMID: 36593042
292. Kim EH, Choi BM, Kang P, Lee JH, Kim HS, Jang YE, Ji SH, Noh GJ, Cho JY, **Kim JT**. Pharmacokinetics of dexmedetomidine in pediatric patients undergoing cardiac surgery with cardiopulmonary bypass. *Paediatr Anaesth*. 2023 Jan 3. PMID: 36594749
293. Jang YE, Joo EY, Lee JH, Kim EH, Kang P, Park JB, Kim HS, **Kim JT**. Two-center randomized controlled trial comparing oral chloral hydrate and intranasal combination of dexmedetomidine and ketamine for procedural sedation in children: study protocol. *Trials*. 2023 Jan 3;24(1):2. PMID: 36597163
294. Kang P, Park JB, Yoon HK, Ji SH, Jang YE, Kim EH, Lee JH, Lee HC, **Kim JT**, Kim HS. Association of the perfusion index with postoperative acute kidney injury: A retrospective study. *Korean J Anesthesiol*. 2023 Jan 26. PMID: 36704814.
295. Kim EH, Lee SH, Kim JK, Park YH, Kang P, Park JB, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS. Effect of Tulobuterol Patch Versus Placebo on the Occurrence of Respiratory Adverse Events in Children Undergoing Tonsillectomies: A Randomized Controlled Trial. *Anesth Analg*. 2023 Jan 20. PMID: 36727868
296. Ji SH, Cho SA, Jang YE, Kim EH, **Kim JT**, Kim HS, Lee JH. Learning curve of fiberoptic-guided tracheal intubation through supraglottic airway device for pediatric airway management: a manikin study. *Korean J Anesthesiol*. 2022 Dec 5. doi: 10.4097/kja.22582. Online ahead of print. PMID: 3693538
297. Kang P, Ji SH, Park JB, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Comparison of effects of volatile and intravenous anesthetics on pupillary function during general anesthesia in children: A prospective observational study. *Paediatr Anaesth*. 2023 Apr 16. doi: 10.1111/pan.14671. Online ahead of print. PMID: 37061868
298. Lee H, **Kim JT**. Pediatric perioperative fluid management. *Korean J Anesthesiol*. 2023 Apr 19. doi: 10.4097/kja.23128. Online ahead of print. PMID: 37073521
299. Ji SH, Huh KY, Oh J, Jeong HJ, Jang YE, Kim EH, Lee JH, **Kim JT**, Kim HS. Conventional reversal of rocuronium-induced neuromuscular blockade by sugammadex in Korean children: pharmacokinetics, efficacy, and safety analyses. *Front Pharmacol*. 2023 Apr 13;14:1127932. doi: 10.3389/fphar.2023.1127932. eCollection 2023. PMID: 37124204
300. Lee JH, Denault AY, Beaubien-Souligny W, Cho SA, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Evaluation of Portal, Splenic, and Hepatic Vein Flows in Children Undergoing Congenital Heart Surgery. *J Cardiothorac Vasc Anesth*. 2023 Apr 13:S1053-0770(23)00247-1. doi: 10.1053/j.jvca.2023.04.010. Online ahead of print. PMID: 37183119
301. Kim H, Kim Y, Bae J, Yoo S, Lim YJ, **Kim JT**. Comparison of remimazolam and dexmedetomidine for intraoperative sedation in patients undergoing lower extremity surgery under spinal anesthesia: a randomized clinical trial. *Reg Anesth Pain Med*. 2023 Jun 6:rapm-2023-104415. doi: 10.1136/rapm-2023-104415. Online ahead of print. PMID: 37280081
302. Yoo S, Han Y, Kim Y, Park SK, Lim YJ, **Kim JT**. Influence of laminectomy on the lumbosacral cerebrospinal fluid volume: A retrospective magnetic resonance imaging study. *Anaesth Intensive Care*. 2023 Jun 20:310057X231159682. doi: 10.1177/0310057X231159682. Online ahead of print. PMID: 37340677
303. Park JB, Song IS, Kang PY, Ji SH, Jang YE, Kim EH, Lee JH, Kim HS, **Kim JT**. Ultrasound-guided selective supraclavicular nerve block for postoperative pain control in children receiving Hickman catheter or chemoport insertion:

A randomized controlled trial. *Paediatr Anaesth* 2023 Aug 16. doi: 10.1111/pan.14745. Online ahead of print. PMID: 37587734

304. Ji SH, Jang YE, Park JB, Kang P, Cho SA, Kim EH, Lee JH, Kim HS, **Kim JT**. Effect of tidal volume change on pressure-based prediction of fluid responsiveness in children *Paediatr Anaesth* 2023 Aug 28. PMID: 37641455
305. Kim Y, **Kim JT**, Yang SM, Kim WH, Han A, Ha J, Min S, Park SK. Anterior quadratus lumborum block for analgesia after living-donor renal transplantation: a double-blinded randomized controlled trial. *Reg Anesth Pain Med*. 2023 Sep 13:rapm-2023-104788. PMID: 37704438
306. Yoon HK, Hur M, Kim DH, Ku JH, **Kim JT**. The effect of goal-directed hemodynamic therapy on clinical outcomes in patients undergoing radical cystectomy: a randomized controlled trial. *BMC Anesthesiol*. 2023 Oct 9;23(1):339. doi: 10.1186/s12871-023-02285-9. PMID: 37814224
307. Lee JH, Kang P, Park JB, **Kim JT**. Changes in diaphragmatic ultrasonography findings and their association with postoperative complications in children undergoing pulmonary resection: A single-centre, prospective, observational study. *Eur J Anaesthesiol*. 2023 Dec 1;40(12):953-956. PMID: 37823729
308. Lee JH, Denault AY, Beaubien-Souligny W, Kang P, Kim J, Kim HW, Ji SH, Jang YE, Kim EH, Kim HS, **Kim JT**. Higher portal venous pulsatility is associated with worse clinical outcomes following congenital heart surgery: a single-centre prospective cohort study. *Can J Anaesth*. 2023 Dec;70(12):1957-1969. PMID: 37919629
309. Kim CH, Lee JH, Kwon HW, Cho S, Kim WH, Ji SH, Jang YE, **Kim JT**, Kwak JG. Extubation in operating room versus early extubation in ICU after open-heart surgery in patients with CHDs. *Cardiol Young*. 2024 Apr;34(4):914-918. PMID: 37981864
310. Park SK, Hur C, Kim YW, Yoo S, Lim YJ, **Kim JT**. Noninvasive hemoglobin monitoring for maintaining hemoglobin concentration within the target range during major noncardiac surgery: A randomized controlled trial. *J Clin Anesth*. *J Clin Anesth* 2024 May;93:111326. PMID: 37988814
311. Bae J, Kim Y, Yoo S, **Kim JT**, Park SK. Handheld ultrasound-assisted versus palpation-guided combined spinal-epidural for labor analgesia: a randomized controlled trial. *Sci Rep* 2023 Dec 27;13(1):23009. PMID: 38155223
312. Park JB, Sohn JY, Kang P, Ji SH, Kim EH, Lee JH, **Kim JT**, Kim HS, Jang YE. Perioperative Respiratory-Adverse Events Following General Anesthesia Among Pediatric Patients After COVID-19 *J Korean Med Sci* 2023 Dec 4;38(47):e349.
313. Park JB, **Kim JT**. Reply to "Determining postoperative analgesic efficacy of a regional block for pediatric patients". *Paediatr Anaesth* 2024 Jun;34(6):582-583. PMID: 38404122
314. Kim H, Kwon S, Kim Y, Bae J, Yoo S, Lim YJ, **Kim JT**. Preoperative frailty assessment with ultrasound in elderly patients scheduled for total knee arthroplasty. *Minerva Anesthesiol* 2024 Jan-Feb;90(1-2):59-67.
315. **Kim JT**, Park JB, Kang P, Ji SH, Kim EH, Lee JH, Kim HS, Jang YE. Effectiveness of head-mounted ultrasound display for radial arterial catheterisation in paediatric patients by anaesthesiology trainees: A randomised clinical trial. *Eur J Anaesthesiol* 2024 Jul 1;41(7):522-529. PMID: 38517311
316. Nam S, Yoo S, Park SK, Kim Y, **Kim JT**. Relationship between preinduction electroencephalogram patterns and propofol sensitivity in adult patients. *J Clin Monit Comput*. 2024 Oct;38(5):1069-1077. doi: 10.1007/s10877-024-01149-y. Epub 2024 Apr 2. PMID: 38561555
317. Jeon S, Kim J, Karm MH, **Kim JT**. Effect of converting from propofol to remimazolam with flumazenil reversal on recovery from anesthesia in outpatients with mental disabilities: a randomized controlled trial. *BMC Anesthesiol* 2024 Apr 22;24(1):151. PMID: 38649838
318. Yhim HB, Yoo S, Park SK, Kim Y, Lim YJ, **Kim JT**. The Effect of Postoperative Single-Injection Adductor Canal Block in Total Knee Arthroplasty Under Spinal Anesthesia With Intraoperative Dexmedetomidine Infusion. *Arthroplast Today*. 2024 Apr 17;27:101366. doi: 10.1016/j.artd.2024.101366. eCollection 2024 Jun. PMID: 38665389

319. Lee JH, Kang P, Park JB, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS. Determination of optimal positive end-expiratory pressure using electrical impedance tomography in infants under general anesthesia: Comparison between supine and prone positions. *Paediatr Anaesth*. 2024 Aug;34(8):758-767. doi: 10.1111/pan.14914. Epub 2024 May 1. PMID: 38693633
320. Park JB, Kang P, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS, Kim EH. Effects of goal-directed analgesia using the analgesia nociception index in children undergoing surgery for moyamoya disease: A randomised controlled trial. *Eur J Anaesthesiol*. 2024 Jun 4. Online ahead of print. PMID: 38832435
321. Park JB, Kang P, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS, Kim EH. Atmospheric particulate matter and hypoxaemia in Korean children receiving general anaesthesia: A retrospective analysis. *Eur J Anaesthesiol*. 2024 Sep 1;41(9):641-648. PMID: 38884417
322. Park SK, Kim H, Kim Y, Jang YE, **Kim JT**. Effect of epidural anesthesia on the optic nerve sheath diameter in patients with pre-eclampsia: a prospective observational study. *Reg Anesth Pain Med*. 2024 Jun 30:rapm-2024-105444. doi: 10.1136/rapm-2024-105444. Online ahead of print. PMID: 38950931
323. Jang YE, Park JB, Kang P, Ji SH, Kim EH, Lee JH, Kim HS, **Kim JT**. Risk factors for chloral hydrate sedation failure in pediatric patients: a retrospective analysis. *Korean J Anesthesiol*. 2024 Oct;77(5):526-536. PMID: 38951746
324. Kim EH, Park JB, Kang P, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS. Effect of positive end expiratory pressure on non-hypoxic apnea time and atelectasis during induction of anesthesia in infant: A randomized controlled trial. *Paediatr Anaesth*. 2024 Nov;34(11):1146-1153. PMID: 38980197
325. Jang YE, **Kim JT**. Effective and safe pediatric sedation. *Anesth Pain Med (Seoul)*. 2024 Oct;19(Suppl 1):S36-S48. PMID: 39069650.
326. Kim EH, Park JB, Kang P, Ji SH, Jang YE, Lee JH, Kim HS, **Kim JT**. Oxygen reserve index versus conventional peripheral oxygen saturation for prevention of hypoxaemia: A randomised controlled trial. *Eur J Anaesthesiol*. 2024 Sep 1;41(9):687-694. PMID: 39087414
327. Ji SH, Park JB, Kang P, Jang YE, Kim EH, Lee JH, Kim HS, **Kim JT**. Effect of high-flow nasal and buccal oxygenation on safe apnea time in children with open mouth: A randomized controlled trial. *Paediatr Anaesth*. 2024 Nov;34(11):1154-1161. doi: 10.1111/pan.14982. Epub 2024 Aug 28. PMID: 39193638
328. Kim EH, Park JB, **Kim JT**. Intraoperative transfontanelle ultrasonography for pediatric patients. *Anesth Pain Med (Seoul)*. 2024 Oct;19(Suppl 1):S25-S35. doi: 10.17085/apm.24106. Epub 2024 Oct 28. PMID: 39511995
329. **Kim JT**, Min J, Park JB, Jang YE. Subcostal transversus abdominis plane block for epigastric cardiac pacemaker operation: A randomised controlled trial. *Eur J Anaesthesiol* 2025 Mar 1;42(3):275-278. PMID: 39465508
330. Yoon SB, Park JB, Kang P, Jang YE, Kim EH, Lee JH, Lee HC, **Kim JT**, Kim HS, Ji SH. Electroencephalography and Anesthetic Depth in Children Under 2 Years of Age: A Prospective Observational Study. *Paediatr Anaesth* 2024 Dec 26. doi: 10.1111/pan.15058. Online ahead of print. PMID: 39723638
331. Han JH, Yuk HD, Jeong SH, Jeong CW, Kwak C, **Kim JT**, Ku JH. Anesthetic approaches and 2-year recurrence rates in non-muscle invasive bladder cancer: a randomized clinical trial. *Reg Anesth Pain Med* 2024 Dec 31:rapm-2024-105949. doi: 10.1136/rapm-2024-105949. Online ahead of print. PMID: 39740955.
332. Park SK, Kim Y, Kim H, **Kim JT**. Transversus abdominis plane block combined with intrathecal fentanyl versus intrathecal morphine for post-caesarean analgesia: a randomized non-inferiority clinical trial. *Reg Anesth Pain Med* 2025 Jan 21:rapm-2024-106044. doi: 10.1136/rapm-2024-106044. Online ahead of print. PMID: 39842942
333. Yoo S, Kim H, **Kim JT**. Perineural catheters for continuous peripheral nerve blocks: a narrative review. *Anesth Pain Med (Seoul)* 2025 Jan;20(1):5-13. PMID: 39923767
334. Kim H, Yoo S, Kwon S, Kim Y, Bae J, Kim YJ, Cho YJ, **Kim JT**, Lim YJ. Analgesic Efficacy of Repeated Daily Injections Versus Continuous Adductor Canal Block After Total Knee Arthroplasty: An Open-Label, Randomized Clinical Trial. *Anesth Analg* 2025 Feb 18. PMID: 39964911

335. Nam S, Yoo S, Park SK, **Kim JT**. Additive effect of a single intravenous dose of acetaminophen administered at the end of laparoscopic hysterectomy on postoperative pain control with nefopam and fentanyl-based patient-controlled analgesia: a double-blind, randomized controlled trial. *BMC Anesthesiol* 2025 Feb 20;25(1):88. PMID: 39979845
336. Jang YE, Joo EY, Park JB, Ji SH, Kim EH, Lee JH, Kim HS, **Kim JT**. Comparison of combined intranasal dexmedetomidine and ketamine versus chloral hydrate for pediatric procedural sedation: a randomized controlled trial. *Korean J Anesthesiol* 2025 Apr 4. doi: 10.4097/kja.24815. Online ahead of print. PMID: 40180590
337. Lee JH, Ko H, Park JB, Ji SH, **Kim JT**. Oxygen supplementation in pediatric sedation-prospective, multicenter, randomized controlled trial. *Anesthesiology* 2025 Apr 11. PMID: 40215365
338. Yoo S, Choi BM, Kim DJ, **Kim JT**. Plasma concentrations of total and unbound ropivacaine and its metabolite 2',6'-pipecoloxylidide after popliteal sciatic nerve block in chronic kidney disease patients not receiving haemodialysis: A population pharmacokinetic analysis. *Eur J Anaesthesiol*. 2025 Aug 1;42(8):751-753. PMID: 40292526
339. Park JB, Kim TW, Ji SH, Jang YE, Lee JH, **Kim JT**, Kim HS, Kim EH. Comparison between upper body and full underbody forced-air warming blanket in pediatric patients undergoing cardiovascular interventions under general anesthesia: a randomized controlled trial. *BMC Anesthesiol*. 2025 May 21;25(1):254. PMID: 40399788.
340. Park JB, Kang P, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS, Lee JH. An adjustment of fraction of inspired oxygen using the oxygen reserve index during one-lung ventilation in pediatric patients: a prospective, randomized controlled trial. *Korean J Anesthesiol*. 2025 May 26. PMID: 40419294
341. **Kim JT**, Kang P, Park JB, Ji SH, Jang YE, Kim EH, Kim HS, Lee JH. Association between intrarenal venous flow Doppler and postoperative acute kidney injury in children undergoing cardiac surgery: A retrospective cohort study. *Eur J Pediatr*. 2025 Jun 25;184(7):440. doi: 10.1007/s00431-025-06187-5. PMID: 40555869.
342. Park JB, Kim TW, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS, Lee JH. Ultrasonographic assessment of sugammadex-enhanced early recovery of diaphragmatic function in children: A randomised double-blind controlled trial. *Eur J Anaesthesiol*. 2025 Jul 8. doi: 10.1097/EJA.0000000000002231. Online ahead of print. PMID: 40625141.
343. **Kim JT**, Park JB, Ji SH, Jang YE, Kim EH, Kim HS, Lee JH. Dynamics of Oxygen Reserve Index and Arterial Oxygen Partial Pressure in Children: A Prospective Observational Study. *Paediatr Anaesth*. 2025 Jul 21. doi: 10.1111/pan.70014. Online ahead of print. PMID: 40686277.
344. Kang P, Park JB, **Kim JT**, Kim EH. A change in cerebral blood flow velocities in infants undergoing surgery in the prone position: A prospective cohort study. *Eur J Anaesthesiol* 2025 Aug 4. Online ahead of print. PMID: 40755196.
345. Kim EH, Park JB, Ji SH, Jang YE, Lee JH, Kim HS, **Kim JT**. Using capnography in children to prevent oxygen desaturation during procedural sedation: A randomised trial. *Eur J Anaesthesiol* 2025 Aug 12. PMID: 40810300.
346. Lee JH, Park JB, Ji SH, Jang YE, Kim EH, **Kim JT**, Kim HS. Immediate complications and risk factors following radial arterial catheterisation in paediatric patients at a tertiary centre. *Eur J Anaesthesiol* 2025 Sep. PMID: 40923190
347. Ji SH, Kang P, Cho SA, Park JB, Jang YE, Kim EH, **Kim JT**, Kim HS, Jung HJ, Jung HA, Lee HC, Lee JH. Effects of Dexmedetomidine-Remifentanyl on Neurodevelopment of Children after Inhalation Anesthesia: A Randomized Clinical Trial. *Anesthesiology* 2025 Oct 1;143(4):827-834. PMID: 40923823
348. Park SK, Kim H, Kim Y, Jang YE, **Kim JT**. Effect of epidural anesthesia on the optic nerve sheath diameter in patients with pre-eclampsia: a prospective observational study. *Reg Anesth Pain Med*. 2025 Oct 6;50(10):828-834. PMID: 38950931
349. Nam S, Yoo S, Kim SH, Park SK, Lim YJ, **Kim JT**. Limited effect of leg elevation in preventing intraoperative hypotension during total shoulder arthroplasty in the beach chair position: a randomized controlled trial. *BMC Anesthesiol* 2025 Oct 1;25(1):472. PMID: 41034767

350. Park JB, Ji SH, Kim EH, Lee JH, Kim HS, **Kim JT**, Jang YE. Subcutaneous Nitroglycerin to Prevent Radial Artery Occlusion in Pediatric Patients: A Randomized Clinical Trial. *JAMA Pediatr* 2025 Oct 6. doi: 10.1001/jamapediatrics.2025.3652. Online ahead of print. PMID: 41051743.