

Department of Anesthesiology Journal Articles

July 1st, 2008 to June 30th, 2009

1. Baker SP, Groff L, Haaland W, Qiang Y, Rebok GW, Li G. Crash rates of scheduled commuter and air carrier flights before and after a regulatory change. *Aviat Space Environ Med* 2009; 80: 381-5.
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3. Bateman BT, Schumacher HC, Shaefi S, Berman MF. Perioperative Acute Ischemic Stroke in Non-Cardiac and Non-Vascular Surgery: Incidence, Risk Factors, and Outcomes. *Anesthesiology* 2009; 110: 231-8.
4. Bateman BT, Schumacher HC, Wang S, Shaefi Shahzad, Berman MF. Perioperative acute ischemic stroke in noncardiac and nonvascular surgery. *Anesthesiology* 2009; 110: 231-8.
5. Bell DC, Turbendian HK, Valley MT, Zhou L, Riley JH, Siegelbaum SA, Tibbs GR. Probing S4 and S5 segment proximity in mammalian hyperpolarization-activated HCN channels by disulfide bridging and Cd(2+) coordination. *Pflugers Arch* 2009; 458:259-72.
6. Billings FT, Chen SW, Kim M, Park SW, Song JH, Wang S, Herman J, D'Agati V, Lee HT. alpha2-Adrenergic agonists protect against radiocontrast-induced nephropathy in mice. *Am.J.Physiol Renal Physiol* 2008; 295: F741-F748.
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12. Diaz GC, Moitra V, Sladen RN. Hepatic and renal protection during cardiac surgery. *Anesthesiol Clin* 2008; 26: 565-90.
13. DiMaggio C, Galea S, Li G. Substance use and misuse in the aftermath of terrorism: A Bayesian meta-analysis. *Addiction* 2009; 104: 894-904.
14. Eger EI, Raines DE, Shafer SL, Hemmings HC, Jr., Sonner JM. Is a new paradigm needed to explain how inhaled anesthetics produce immobility? *Anesth Analg* 2008; 107: 832-48.
15. Eger EI, Tang M, Liao M, Laster MJ, Solt K, Flood P, Jenkins A, Raines D, Hendrickx JF, Shafer SL, Yasumasa T, Sonner JM. Inhaled anesthetics do not combine to produce synergistic effects regarding minimum alveolar anesthetic concentration in rats. *Anesth Analg* 2008; 107: 479-85.
16. Eisenach JC, Pan PH, Smiley R, Lavand'homme P, Landau R, Houle TT. Severity of acute pain after childbirth, but not type of delivery, predicts persistent pain and postpartum depression. *Pain* 2008; 140: 87-94.
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19. Gallos G, Gleason NR, Virag L, Zhang Y, Mizuta K, Whittington RA, Emala CW. Endogenous gamma-aminobutyric acid modulates tonic guinea pig airway tone and propofol-induced airway smooth muscle relaxation. *Anesthesiology* 2009; 110: 748-58.

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24. Hendrickx JF, Eger EI, Sonner JM, Shafer SL. Is synergy the rule? A review of anesthetic interactions producing hypnosis and immobility. *Anesth Analg* 2008; 107: 494-506.
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53. Shafer SL, Hendrickx JF, Flood P, Sonner J, Eger EI. Additivity versus synergy: a theoretical analysis of implications for anesthetic mechanisms. *Anesth. Analg* 2008; 107: 507-24.
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71. Yocum GT, Gaudet JG, Teverbaugh LA, Quest DO, McCormick PC, Connolly ES, Jr., Heyer EJ. Neurocognitive performance in hypertensive patients after spine surgery. *Anesthesiology* 2009; 110: 254-61.
72. Zhao Y, Sun L. Antidepressants modulate the in vitro inhibitory effects of propofol and ketamine on norepinephrine and serotonin transporter function. *J Clin. Neurosci* 2008; 15: 1264-9.

Department of Anesthesiology Book Chapters

July 1st, 2008 to June 30th, 2009

1. Goodman S, Mankowitz S. Obstetric Anesthesia for Parturients with Respiratory Diseases. In: Bucklin B, Gambling D, Wlody D, editors. *Practical Approach to Obstetric Anesthesia*. Philadelphia: Lippincott, Williams, & Wilkins, 2008; pp. 473-90.
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3. Moitra V, Gaffney A, Playford H, Sladen RN. What is the best means of preventing perioperative renal injury? In: Fleischer LA, editor. *Evidence-*

Based Practice of Anesthesiology. 2nd Ed. Philadelphia: Saunders Elsevier, Philadelphia, 2009; pp 226-39.

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5. Unger BJ. Anesthesia Technique. In: Urman RD, Ehrenfeld JM, editors. Pocket Anesthesia. Philadelphia: Lippincott, Williams & Wilkins, 2009.
6. Wunsch H, Jones AT, Scales DC. Intensive Care for the Elderly: Current and Future Concerns. In: Vincent JL, editor. Yearbook of Intensive Care and Emergency Medicine. New York: Springer, 2009.

Department of Anesthesiology Abstracts

July 1st, 2008 to June 30th, 2009

1. Berman MF, Katenti LK, Li G. Transformation of Vital Sign Data Structure to Create an Anesthesia Clinical Research Database. American Society of Anesthesiologists 2008.
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8. DiMaggio CJ, Sun L, Kakavouli A, Li G. Exposure to Anesthesia and the Risk of Developmental and Behavioral Disorders in Young Children. American Society of Anesthesiologists 2008.
9. Doufas AG, Komatsu R, Orhan-Sungur M, Shafer SL, Sessler DI. Muscle Relaxation Differentially Affects Immobility And Cortical Activation At Near-Mac Anesthesia. American Society of Anesthesiologists 2008.
10. Flood P, Evans J, Connel-Price J. Polymorphisms in the Beta2-Adrenergic Receptor are Associated with a More Rapid, Less Painful Labor. American Society of Anesthesiologists 2008.
11. Flood P, McKinstry A, Rowley TJ, Smith W. Choline Treatment Reduces the Inflammatory Responsiveness of Macrophages. American Society of Anesthesiologists 2008.
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18. Joshi S, Wang M, Reif R, Zhang J, Bigio I. Measurements of Brain Tissue Drug Concentrations of Mitoxantrone by Diffuse Reflectance Spectroscopy. American Society of Anesthesiologists 2008.
19. Ju A, Arunajadai S, Rodriguez A, Shanewise J, Sladen R. Impact of the Kimberly-Clark Patient Warming System On Temperature Perturbations Following Cardiac Surgery With Cardiopulmonary Bypass. Society Of Cardiovascular Anesthesiologists 2009.
20. Kakavouli A, Carson M, Silverstein E, Ohkawa S, Sun L. Epidemiology of Post-Anesthesia Adverse Events in the Pediatric PACU. International Anesthesia Research Society 2009.
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23. Kakavouli A, Galiza C, Lo S, Carson M, Sun L. Emergence Delirium And Pain: Comparison of Two Scales in Infants and Children. American Society of Anesthesiologists 2008.
24. Kaku R, Mikami M, Kawakami T, Yang J. The Pacemaker HCN1 Channel is not Post-Translationally Modified by Sumoylation. American Society of Anesthesiologists 2008.
25. Kawakami T. Protective Effect of Erk5 Mitogen Activated Protein Kinase Against Renal Ischemia Reperfusion Injury. Association of University Anesthesiologists 2009.
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28. Li G, Pressley JC, Qiang Y, Grabowski JG, Baker SP, Rebok GW. Geographic Region, Weather, Pilot Age and Air Carrier Crashes: A Case-Control Study. Aerospace Medical Association 2009.
29. Li G, Warner M, Lang B, Huang L, Sun L. Epidemiology of Anesthesia-Related Deaths in the United States, 1999-2004. American Society of Anesthesiologists 2008.
30. Linde-Zwirble WT, Wunsch, H, Cooper LM. The Impact Of Medicare's Hospital Acquired Conditions Rule on ICU Payments. Society of Critical Care Medicine 2009.
31. Lo SS, Grieve PG, Sobol JB, Stark RI, Sun LS. EEG Coherence Patterns During Anesthesia in Infants and Young Children. American Society of Anesthesiologists 2008.
32. Macchio FJ, Moitra VK. Persistent Postoperative Fever, Tachycardia & Agitation In A Schizophrenic Patient in the PACU/SICU Following Appendectomy. International Anesthesia Research Society 2009.
33. Mathew L, Sonty N, Sha N. Ability to Tolerate Tens Induced Paresthesias can Predict the Response to SCS Induced Paresthesias. American Society of Anesthesiologists 2008.
34. McIlroy D, Wagener G, Lee HT. Neutrophil Gelatinase-Associated Lipocalin and Acute Kidney Injury in Cardiac Surgery: Dependence on Baseline Renal Function. Association of University Anesthesiologists 2009.
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36. Milbrandt EB, Watson RS, Mayr FB, Angus DC, Hartman ME, Wunsch H, Kahn JM, Linde-Zwirble WT. How Big Is Critical Care In The Us? Society of Critical Care Medicine 2009.

37. Moore RP, Kakavouli A, Ohkawa S, Baker RT, Carson M, Sun L. Incidence of Peri-Anesthetic Adverse Events in Children With Congenital Cardiac Defects Undergoing Non-Cardiac Procedures Requiring Anesthesia. International Anesthesia Research Society 2009.
38. Park SW, Chen SW, Kim M, Brown KM, D'Agati VD, Lee HT. Sphinganine-1-Phosphate Ameliorates Acute Liver Failure and Acute Kidney Injury Induced by Hepatic Ischemia and Reperfusion in Mice. Shock Society 2009.
39. Park SW, Chen SWC, Kim M, Song JH, D'Agati VD, Lee HT. Heat Shock Protein 27 Against Hepatic and Renal Dysfunction After Hepatic Ischemia and Reperfusion in Mice. American Society of Nephrology 2009.
40. Ring LE, Zeltser LM. Hypothalamic Knockout of Leptin Receptor in a Murine Model Leads to Early Obesity and Diabetes. International Anesthesia Research Society 2009.
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47. Wagener G, Moitra V, Minhaz M, Lee H, Sladen R. Elevated Preoperative HbA1c in Non-Diabetic Patients Predicts Postoperative Hyperglycemia and Prolonged ICU and Hospital Length of Stay After Cardiac Surgery. Society Of Cardiovascular Anesthesiologists 2009.
48. Wagener G, Yap S, Minhaz M, Mattis F, Meltzer J, Lee H. Extended Donor Criteria Liver Transplants are at Increased Risk for Postoperative Acute Kidney Injury. International Anesthesia Research Society 2009.
49. Wagener G. The Surgical Procedure Assessment (SPA) Score Predicts ICU Length of Stay. International Congress on Cardiothoracic and Vascular Anesthesiology 2008.
50. Wahlander S, Romano M, Huang L, Li G. Predictors of One Year Survival Following Heart Transplant. American Society of Anesthesiologists 2008.
51. Wahlander S, Romano ME, Brady JE, Billings FT, Lee HT. Renal Failure After Non-Ionic, Isoosmolar Contrast Administration is Not Contrast Dose Dependent. Society of Critical Care Medicine 2009.
52. Wang M, Joshi S, Zhang J, Bigio I. Non Invasive, Real-Time Optical Measurement of Brain Tissue Rhodamine Concentrations *In Vivo*. American Society of Anesthesiologists 2008.
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54. Wunsch H, Kahn JM, Kramer AA, Rubenfeld GM. Use of Intravenous Infusion Sedation in United States Intensive Care Units. American Thoracic Society 2009.
55. Wunsch H, Linde-Zwirble WT, Angus DC, Milbrandt EB, Hartman ME, Kahn JM. The Epidemiology of Mechanical Ventilation Use in the United States. Society of Critical Care Medicine 2009.

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59. Zhu Y, Wagener G, Singh P, Lee HT, Han WK. Hepatocyte Growth Factor (HGF) and Carbonic Anhydrase IX (CA IX) as Biomarkers for Early Detection of Acute Kidney Injury in Prospective Cohort Study. American Society of Nephrology 2009.