

**Department of Anesthesiology  
University of Michigan  
Publications, 2006**

***Peer-Reviewed Articles***

1. Anderson SW, Todd MM, Hindman BJ, Clarke WR, Torner JC, Tranel D, Yoo B, Weeks J, Manzel KW, Samra S. Effects of intraoperative hypothermia on neuropsychological outcomes after intracranial aneurysm surgery. *Ann Neurol.* 2006 Nov 21;60(5):518-527.
2. Baghdoyan HA. Hyperalgesia induced by REM sleep loss: a phenomenon in search of a mechanism. *Sleep.* 2006 Feb 1;29(2):137-9.
3. Bamgbade OA. Facemask general anesthesia for minor and outpatient surgery: a dying art? *J Natl Med Assoc.* 2006 Jul;98(7):1202.
4. Bamgbade OA, Rutter TW, Nafiu OO, Dorje P. Postoperative Complications in Obese and Nonobese Patients. *World J Surg.* 2006 Aug 29; [Epub ahead of print]
5. Bernard R, Lydic R, Baghdoyan HA. Hypocretin (orexin) receptor subtypes differentially enhance acetylcholine release and activate g protein subtypes in rat pontine reticular formation. *J Pharmacol Exp Ther.* 2006 Apr;317(1):163-71.
6. Blum JM, Kheterpal S, Tremper KK. A comparison of anesthesiology resident and faculty electronic evaluations before and after implementation of automated electronic reminders. *J Clin Anesth.* 2006 Jun;18(4):264-7.
7. Booth V, Poe GR. Input source and strength influences overall firing phase of model hippocampal CA1 pyramidal cells during theta: relevance to REM sleep reactivation and memory consolidation. *Hippocampus.* 2006;16(2):161-73.
8. Coleman CG, Baghdoyan HA, Lydic R. Dialysis delivery of an adenosine A2A agonist into the pontine reticular formation of C57BL/6J mouse increases pontine acetylcholine release and sleep. *J Neurochem.* 2006 Mar;96(6):1750-9.
9. Englesbe MJ, Pelletier SJ, Kheterpal S, O'Reilly M, Campbell DA Jr. A call for a national transplant surgical quality improvement program. *Am J Transplant.* 2006 Apr;6(4):666-70.
10. Green C, Todd KH, Lebovits A, Francis M. Disparities in pain: ethical issues. *Pain Med.* 2006 Nov-Dec;7(6):530-3.
11. Gurbel PA, Lau WC, Bliden KP, Tantry US. Clopidogrel resistance: implications for coronary stenting. *Curr Pharm Des.* 2006;12(10):1261-9.

12. Hutson AD, Davidson BA, Raghavendran K, Chess PR, Tait AR, Holm BA, Notter RH, Knight PR. Statistical prediction of the type of gastric aspiration lung injury based on early cytokine/chemokine profiles. *Anesthesiology*. 2006 Jan;104(1):73-9.
13. Imeri L, Bianchi S, Opp MR. Inhibition of caspase-1 in rat brain reduces spontaneous nonrapid eye movement sleep and nonrapid eye movement sleep enhancement induced by lipopolysaccharide. *Am J Physiol Regul Integr Comp Physiol*. 2006 Jul;291(1):R197-204.
14. Kheterpal S, Han R, Tremper KK, Shanks A, Tait AR, O'Reilly M, Ludwig TA. Incidence and Predictors of Difficult and Impossible Mask Ventilation. *Anesthesiology*. 2006 Nov;105(5):885-891.
15. Kobayashi Y, Sridar C, Kent UM, Puppali SG, Rimoldi JM, Zhang H, Waskell L, Hollenberg PF. Structure-Activity Relationship and Elucidation of the Determinant Factor(s) Responsible for the Mechanism-Based Inactivation of P450 2B6 by Substituted Phenyl Diaziridines. *Drug Metab Dispos*. 34:2102-10, 2006.
16. Lau WC, Gurbel PA. Antiplatelet Drug Resistance and Drug-Drug Interactions: Role of Cytochrome P450 3A4. *Pharm Res*. 23:2691-708, 2006.
17. Lydic R. Sleep disruption is related to allelic variation in the ob gene. *Am J Physiol Regul Integr Comp Physiol*. 2006 Apr;290(4):R892-3.
18. Lydic R, Garza-Grande R, Struthers R, Baghdoyan HA. Nitric oxide in B6 mouse and nitric oxide-sensitive soluble guanylate cyclase in cat modulate acetylcholine release in pontine reticular formation. *J Appl Physiol*. 2006 May;100(5):1666-73.
19. Malviya S, Voepel-Lewis T, Burke C, Merkel S, Tait AR. The revised FLACC observational pain tool: improved reliability and validity for pain assessment in children with cognitive impairment. *Paediatr Anaesth*. 2006 Mar;16(3):258-65.
20. Malviya S, Voepel-Lewis T, Ramamurthi RJ, Burke C, Tait AR. Clonidine for the prevention of emergence agitation in young children: efficacy and recovery profile. *Paediatr Anaesth*. 2006 May;16(5):554-9.
21. Malviya S, Voepel-Lewis T, Tait AR. A comparison of observational and objective measures to differentiate depth of sedation in children from birth to 18 years of age. *Anesth Analg*. 2006 Feb;102(2):389-94.
22. Nafiu OO, Urquhart JC. Pneumocephalus with headache complicating labour epidural analgesia: should we still be using air? *Int J Obstet Anesth*. 2006 Jul;15(3):237-9.
23. Opp MR. Sleep and psychoneuroimmunology. *Neurol Clin*. 2006 Aug;24(3):493-506.

24. O'Reilly M, Talsma A, VanRiper S, Kheterpal S, Burney R. An anesthesia information system designed to provide physician-specific feedback improves timely administration of prophylactic antibiotics. *Anesth Analg.* 2006 Oct;103(4):908-12.
25. Ragheb J, Malviya S, Burke C, Reynolds P. An assessment of interrater reliability of the ASA physical status classification in pediatric surgical patients. *Paediatr Anaesth.* 2006 Sep;16(9):928-31.
26. Rosenberg AL, Tremper KK. Wide variations in the cost-effectiveness of critical care. *Crit Care Med.* 2006 Nov;34(11):2849-51.
27. Satya-Krishna R, Popat M. Insertion of the double lumen tube in the difficult airway. *Anaesthesia.* 2006 Sep;61(9):896-8.
28. Tait AR. Preventing infections in the perioperative period: The role of the anesthesiologist. *Curr Rev Clin Anesth,* 27(9):107-13, 2006.
29. Todd KH, Green C, Bonham VL Jr, Haywood C Jr, Ivy E. Sickle cell disease related pain: crisis and conflict. *J Pain.* 2006 Jul;7(7):453-8. Review.
30. Tremper KK, Shanks A, Morris M. Trends in the financial status of United States anesthesiology training programs: 2000 to 2004. *Anesth Analg.* 2006 Feb;102(2):517-23.

***Letters to the Editor***

1. Bamgbade OA. Dexmedetomidine for peri-operative sedation and analgesia in alcohol addiction. *Anaesthesia.* 2006 Mar;61(3):299-300.
2. Bamgbade OA. Management of tension gastrothorax. *Resuscitation.* 2006 Aug;70(2):293-4.
3. Eagle KA, Lau WC. Any need for preoperative cardiac testing in intermediate-risk patients with tight beta-adrenergic blockade? *J Am Coll Cardiol.* 2006 Sep 5;48(5):970-2.
4. Haywood E, Healy D, Wimbush S. Awareness, dreaming or steroid-induced psychosis? *Anaesthesia,* 2006, 61, 1116-29.
5. Healy D. Liver Transplant Anaesthesia and Critical Care Forum. *Anaesthesia,* 2006, 61, 1233.
6. Hong RW, Greenfield ML, Polley LS. Nitroglycerin for uterine inversion in the absence of placental fragments. *Anesth Analg.* 2006 Aug;103(2):511-2.

7. Pandit JJ, Dorje P, Satya-Krishna R. Investing layer of the cervical fascia of the neck may not exist. *Anesthesiology*. 2006 Jun;104(6):1344; author reply 1344-5.
8. Polley LS, Analgesic Efficacy of Two Doses of Intrathecal Midazolam with Bupivacaine in Patients Undergoing Cesarean Delivery. Editorial commentary in *Obstetric Anesthesia Digest* 2006; 26 (4): 195-96.
9. Tremper KK, Shanks A, Morris M, Burnett DA. Validation of institutional support survey for anesthesiology training programs in the United States. *Anesth Analg*. 2006 Feb;102(2):644.

### ***Book Chapters***

1. Bernard R, Lydic R, Baghdoyan HA. "Hypocretin receptor-activated G proteins revealed by [<sup>35</sup>S] GTP gamma S autoradiography" in *Orexin/Hypocretin System: Physiology and Pathophysiology* ed. Nishino S and Sakurai T. 83-96, 2006.
2. Janke EL and Samra S. Dexmedetomidine and neuroprotection. *Seminars in Anesthesia, Perioperative Medicine, and Pain* (2006) 25, 71-76.
3. Lydic, R. and H.A. Baghdoyan. Anesthesiology: relevance for sleep medicine. In: *Encyclopedia of Sleep Medicine*. Edited by T. Lee-Chiong, pages 927-932, 2006.
4. Reynolds PI, Soldes O, Malviya S, and Davis P, "Pediatric Trauma". In *Smith's Anesthesia for Infants and Children*, Edited by EK Motoyama and P Davis 7th Ed. Mosby Elsevier, pp 991-1012, 2006.

### ***Abstracts***

1. Chang T, Vihtelic CM, Gold C, Lydic R, and Baghdoyan HA. Microinjection of the GABA<sub>A</sub> receptor antagonist bicuculline into the pontine reticular formation of C57BL/6J mouse decreases wakefulness and increases sleep. *Sleep* 29 (Abstr Suppl):0022, 2006.
2. Hambrecht VS, Vlisides PE, Row BW, Gozal D, Baghdoyan HA, Lydic R. Hypoxia alters G protein activation by carbachol in the hippocampus of Sprague-Dawley rat. *Soc Neurosci Abstr*, 157.13, 2006.
3. Icaza EI, Fu Y, Huang X, Neubig RR, Baghdoyan HA, Lydic R. Role of an inhibitory G protein (G<sub>α<sub>i2</sub></sub>) and regulators of G protein signaling (RGS proteins) in isoflurane anesthesia. *Soc Neurosci Abstr*, 795.3, 2006.
4. Lewis IH, Burke C, Voepel-Lewis T, Tait AR. Children who refuse anesthesia or sedation: A survey of anesthesiologists, A-961, presented to the ASA Chicago, 2006.

5. Mhyre JM, MN Riesner, V Grigorescu. Anesthesia-related maternal mortality in Michigan: 1985-2003. *Anesthesiology* 2006; 104, Supp 1, A-19.
6. Nafiu OO, PI Reynolds, OA Bamgbade, KK Tremper, K Welch and JZ Kasa-Vubu. Childhood Body Mass Index and Peri-operative Complications. *Pediatric Anesthesia*.
7. Skulsky EM, Osman NI, Baghdoyan HA, and Lydic R. Acetylcholine release in the pre-Bötzing complex of Wistar rat is increased by microdialysis delivery of morphine sulfate. *Sleep* 29 (Abstr Suppl):0023, 2006.
8. Van Dort C, Baghdoyan HA, and Lydic R. Dialysis administration of the adenosine A<sub>1</sub> receptor agonist N<sup>6</sup>-p-sulfophenyladenosine into the prefrontal cortex of C57BL/6J mouse decreases prefrontal cortex acetylcholine release and delays anesthesia wake-up time. *Sleep* 29 (Abstr Suppl):0010, 2006.
9. Van Dort CJ, Baghdoyan HA, Lydic R. Microdialysis delivery of caffeine or an adenosine A<sub>1</sub> receptor antagonist to the prefrontal cortex (PFC) of C57BL/6J (B6) mouse decreases anesthesia wake-up time and increases PFC acetylcholine (ACh) release. *Soc Neurosci Abstr*, 157.14, 2006.
10. Vanini G, Watson CJ, Soto-Calderon H, Lydic R, Baghdoyan HA. GABA Levels in the pontine reticular formation are enhanced during wakefulness. Late Breaking Abstract selected for oral presentation at SLEEP 2006.
11. Vanini G, Watson CJ, Soto-Calderon H, Lydic R, Baghdoyan HA. GABA levels in cat pontine reticular formation (PRF) and pedunculo-pontine tegmental nucleus (PPT) vary with arousal state. *Soc Neurosci Abstr*, 458.15, 2006.
12. Wang W, Watson S, Baghdoyan HA, and Lydic R. Nociception is decreased by cholinomimetics and the adenosine A<sub>1</sub> receptor agonist N<sup>6</sup>-p-sulfophenyladenosine, but not morphine, microinjected into the pontine reticular formation of C57BL/6J mouse. *Sleep* 29 (Abstr Suppl):0012, 2006.
13. Wang W, Watson SL, Baghdoyan HA, Lydic R. Nociceptive responses following pontine reticular formation (PRF) microinjection of cholinomimetics, the adenosine A<sub>1</sub> receptor agonist N<sup>6</sup>-p-sulfophenyladenosine (SPA), and morphine differ between C57BL/6J (B6) and C57BL/6J-Lep<sup>ob</sup> (obese) mice. *Soc Neurosci Abstr*, 248.4, 2006.
14. Watson CJ, Walther KJ, Lydic R, Baghdoyan HA. Microinjection of hypocretin-1 (hcr) or nipecotic acid (NPA) into the pontine reticular nucleus, oral part (PnO) of Sprague-Dawley rat increases wakefulness (W) and decreases sleep. *Soc Neurosci Abstr*, 157.15, 2006.
15. Watson SL, Watson CJ, Baghdoyan HA, Lydic R. Response to nociceptive input is decreased by the adenosine A<sub>1</sub> receptor agonist N<sup>6</sup>-p-sulfophenyladenosine (SPA),

but not by hypocretin-1 (hcrt), microinjected into the pontine reticular formation (PRF) of Sprague-Dawley rat. *Soc Neurosci Abstr*, 248.5, 2006.