

CURRICULUM VITAE

ALEX Y. BEKKER, M. D., Ph. D.

PERSONAL DATA:

Born	Tbilisi, Georgia
Citizenship	USA
Marital Status	Married
Children	Andrew Bekker, Tanya Bekker, William Bekker

EDUCATION:

1970-1974	B.S., Chemistry, Tbilisi University, Tbilisi, Georgia
1980-1983	M.S., Chemical Engineering, New Jersey Institute of Technology, Newark.
1983-1987	Dr. Eng., Biomedical Engineering, New Jersey Institute of Technology and University of Medicine and Dentistry of New Jersey, Department of Physiology, Newark, NJ
1987-1991	M.D., University of Medicine and Dentistry of New Jersey - New Jersey Medical School, Newark, NJ

POSTDOCTORAL TRAINING:

1991 – 1992	Intern in Medicine/Pediatrics, St. Joseph's Hospital and Medical Center, Paterson, NJ
1992 - 1995	Resident, Anesthesiology, Columbia-Presbyterian Medical Center, New York, NY
2007-2008	Physician Leadership Development Course, New York University, New York, NY

LICENSURE & CERTIFICATION:

1995	New Jersey State License Registration
1996	New York State License Registration
1996	American Board of Anesthesiology Certificate

ACADEMIC APPOINTMENTS:

1996-present	Adjunct Professor of Biomedical Engineering, New Jersey Institute of Technology, Newark, NJ
1995-2001	Assistant Professor of Anesthesiology, New York University Medical Center, New York, NY
2001-2008	Associate Professor of Anesthesiology, New York University Medical Center, New York, NY
2004-2008	Associate Professor of Neurosurgery, New York University Medical Center, New York, NY
2008-present	Professor of Anesthesiology and Neurosurgery, New York University Medical Center, New York, NY

HOSPITAL APPOINTMENTS

1995-present Attending Anesthesiologist, New York University Medical Center, New York, NY
1995-present Attending Anesthesiologist, Bellevue Hospital, New York, NY

ADMINISTRATIVE RESPONSIBILITIES:

1997-1999 Associate Director of Neuroanesthesia, New York University Medical Center, New York, NY
1999-present Chief of Neuroanesthesia, New York University Medical Center, New York, NY
2003-present Coordinator of Operating Rooms Scheduling, New York University Medical Center, New York, NY
2004-present Director of Clinical Research, Department of Anesthesiology, New York University Medical Center, New York, NY
2007-present Vice-Chair for Strategic Development, Department of Anesthesiology, New York University Medical Center, New York, NY

PROFESSIONAL POSITIONS:

1975-1977 Research Chemist, Isotopes Research Institute, Tbilisi, USSR
1979-1981 Project Engineer, Catalyst Research Corporation, Palisades Park, NJ
1980-1981 Visiting Scholar, Columbia University, Department of Chemical Engineering, New York, NY
1981-1986 Research Engineer/Project Manager, Allied-Signal Corporation, Corporate Technology Center, Morristown, NJ

AWARDS AND HONORS:

1974 Graduated with High Honors from Tbilisi State University, USSR
1986 -1987 Presidential Scholarship Award, New Jersey Institute of Technology, Newark, NJ
1983 Tau Beta Pi, Honorary Engineering Society
2005 Association of University Anesthesiologists

COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

1997-2004 New York State Society of Anesthesiologists/ Post-Graduate Assembly - Committee on Problem Based Learning Discussion
1999-2005 New York State Society of Anesthesiologists/ Post-Graduate Assembly - Committee on Miniworkshops
2002/2003 The New York Academy of Medicine, Anesthesiology Section, Residents Research Committee
2003-present New York State Society of Anesthesiologists – Scientific Programs Committee

2003-present	New York State Society of Anesthesiologists - Continuing Medical Education Committee
2004-present	American Society of Anesthesiologists – Clinical Neurosciences Committee
2005-present	Society of Neurosurgical Anesthesiology and Critical Care – Board Member; Director, Educational Committee

HOSPITAL COMMITTEE ASSIGNMENTS

New York University Medical Center

1998-present	Anesthesiology Research Committee
1999-present	Pharmacy & Therapeutics Committee
2002-present	Operating Room Management Committee
2002-present	Anesthesiology Finance Committee
2003-present	Hospital Perioperative Services Committee
2007-present	Committee on Continuous Medical Education
2008	Neurosurgery Chair Search Committee (ad hoc)

EDITORIAL RESPONSIBILITIES:

Reviewer/Consultant

New Jersey Commission on Science and Technology
New England Journal of Medicine
Anesthesia & Analgesia
Anesthesiology
Journal of Clinical Anesthesia
Journal of Neurosurgical Anesthesia
Drugs & Aging
The Journal of Respiratory Diseases
Microvascular Research
General Hospital Psychiatry

Editorial Board

2003-present	Sphere – Journal of the New York State Society of Anesthesiologists
2006-present	Journal of Neurosurgical Anesthesiology
2008-present	The International Journal of General Medicine
2008-present	The International Journal of Neurosurgery

Contributor

2007-present	Faculty of 1000, Medicine, Internet Review Journal, Faculty on Neurosurgical Care
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PROFESSIONAL SOCIETIES:

1982-1988	American Institute of Chemical Engineers
1987-1989	Microvascular Society
1997-2002	Society for Intravenous Anesthesia
1995-2002	Society for Technology in Anesthesia
1992-present	New York State Society of Anesthesiologists
1992-present	American Society of Anesthesiologists
1992-present	International Anesthesia Research Society
1997-present	Society of Neurosurgical Anesthesia and Critical Care

FUNDRAISING

2008 Founder and CEO of the Foundation for Perioperative Research and Education, an organization dedicated to reducing complications related to surgery and anesthesia through research, professional education and training, and public advocacy (URL: www.fpre.org)

TEACHING EXPERIENCE:

Course Director, Neuroanesthesia for Occasional Neuroanesthesiologist Annual), New York, NY (2005, 2006, 2007, 2008)
Conference Leader, Neuroanesthesia teaching conferences, Department of Anesthesiology, New York University Medical Center
Lecturer, Grand Rounds, Departments of Anesthesiology and Neurosurgery
Supervisor of residents and fellows conducting clinical research at the NYU Medical Center
Clinical teaching of fellows and residents in operating room
Lecturer at numerous National Meetings
Theses advisor for graduate students at the Department of Biomedical Engineering, New Jersey Institute of Technology
Lecturer and Examiner for the Anesthesiology Board Reviews

MENTORSHIP

Direct Supervision

Theses Advisor (Master of Science in Engineering Program), New Jersey Institute of Technology:

Puranic B, MS	1992/93
Sundaram G, MS	1993/94
Mistry A, MS	1996/97
Shalago J, MS	1997/98
Wolk S, MS	1997/99
Shah R, MS	1998/99

Physician-in-Training (Clinical and Basic Research)

Berklayd P, MD	1999	Attending Anesthesiologist, Elmhurst Hospital, NY
Shah R, MD	2004/5	Fellow, Geriatric Medicine, Jackson Memorial Hospital, Miami, FL
Gorny A, MD	2005/6	Resident, Surgery, Monmouth Medical Center, Long Beach, NJ
Jurmain A	2006	Attending Anesthesiologist, North Shore University Hospital, Manhasset, NY
Ahmed R, MD	2005/7	Medical Science Liaison, MGI Pharma, Bloomington, MN
Pitti A, MD	2006/present	Resident (beginning July 2008), Surgery, NYU Medical Center, New York, NY

Medical/College Students

Wenning L	2006/7	Graduate Student, Columbia University, New York, NY
Limson F	2007	Medical Student, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ
Ferrara L	2007	Medical Student, NYU School of Medicine, New York, NY
Edward Garcia	current	Undergraduate Student Stevens Institute of Technology, Hoboken, NJ
Batchan, Mark	current	Undergraduate student Rutgers University, New Brunswick, NJ
Samira Annabi	current	Undergraduate student, New York University, New York, NY

GRANTS (1998-present)

Eisai Pharma 2009	A randomized, double-blind, placebo controlled study to evaluate the safety and efficacy of intravenous palonosetron with intravenous dexamethasone versus intravenous palonosetron for the prevention of immediate and delayed post-operative nausea and vomiting in subjects undergoing elective laparoscopic surgeries with a high emetogenic risk. \$254,000, Senior Investigator
The Medicine Co. 2008-2009	Assessment of safety and efficacy of clevidipine in patients undergoing craniotomy. \$65,000, Principal Investigator
NYU Alzheimer's Disease Center/NIA, 2008-2009	Postoperative cognitive decline, inflammation, and plasma levels of beta-amyloids. \$23,300, Principal Investigator.

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Curriculum Vitae

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Schering-Plough Research Institute, 2008-2009	A Randomized, Double-blind, Double-dummy, Dose-ranging, Active- and Placebo-controlled Study of Single-Dose Oral Rolapitant Monotherapy for the Prevention of Postoperative Nausea and Vomiting (PONV), \$19,000, Onsite Principal Investigator
Empire Clinical Research Investigator Program 2008-2009	Rivastigmine prophylaxis for elderly patients at risk for delirium: A randomized placebo-controlled pilot study. \$120,000 (2 years) Mentorship Grant
Aspect Medical Systems 2008	BIS Variability as a Measure of Analgesia During Spine Surgery. Pilot study. \$80,000, Co-Investigator
Hospira, Inc. 2007	A Phase III, randomized, double-blind, placebo-controlled, multicenter study evaluating the efficacy and safety of dexmedetomidine in the prevention of postoperative delirium in subjects undergoing surgery for fractured hip with general anesthesia. \$40,000, Onsite Principal Investigator
Wyeth, Corp. 2007-2008	A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study of Intravenous Methylnaltrexone(MOA-728) for the treatment of Postoperative Ileus After Ventral Hernia Repair. \$78,000, Onsite Principal Investigator
Hospira, Inc. 2007	A Phase III, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of dexmedetomidine for sedation during monitored anesthesia care, \$190,000, Onsite Principal Investigator
Hospira, Inc. 2006-07	A Phase III, randomized, double –blind, placebo controlled, multicenter study evaluating the safety and efficacy of dexmedetomidine used for sedation during elective awake fiberoptic intubation \$ 70,000, Onsite Principal Investigator
Durect Corp. 2006-07	A Randomized, double-blind, placebo-controlled study of the efficacy and safety of subcutaneous SABER-bupivacaine in patients undergoing open inguinal hernia repair \$60,000, Onsite Principal Investigator
Merck & Co., Inc 2006-07	Post-operative study to investigate emesis (POSITIVE) \$10,000, Onsite Principal Investigator
Organon, Inc. 2006	A Multicenter, randomized, parallel group, comparative, safety assessor blinded, phase IIIa trial in adult surgical subjects under general anesthesia at increased risk for pulmonary complications \$ 40,000, Onsite Principal Investigator

Hospira, Inc. 2006-07	The effect of dexmedetomidine on perioperative hemodynamics in patients undergoing craniotomy, \$96,000, Principal Investigator initiated study
GlaxoSmithKline Group 2006	A Phase III, multicenter, randomized, double-blind study to evaluate the safety and efficacy of 50 mg oral dosing with neurokinin-1 receptor agonists GW67769 for the prevention of postoperative nausea and vomiting in subjects at high risk for emesis. \$ 35,000, Onsite Principal Investigator
Guilford Pharmaceuticals, 2005	Phase II randomized open-label study to examine the safety and efficacy of Aquavan injection for sedation of patients requiring intubation and mechanical ventilation in the ICU, \$ 60,000, Onsite Principal Investigator
National Institute of Health 2005-2007	Subtle disturbances of cobalamin status, Ongoing Onsite Principal Investigator (Project Principal Investigator: Ralph Carmel, M.D.)
Aspect Medical Systems, 2005-06	An evaluation of Aspect's BIS Vista brain monitoring device, \$10,000, Co-investigator
Helsinn Pharmaceuticals, 2006	A randomized, double-blind, multicenter, phase iii study to evaluate the efficacy and safety of single iv doses of palonsetron vs. placebo in outpatients to prevent post-operative nausea and vomiting. \$46,000. Onsite Principal Investigator
GlaxoSmithKline Group 2005	A multicenter, randomized, double-blind, placebo-controlled, phase II study to evaluate the safety, efficacy, and pharmacokinetics of the oral Neurokinin-1 receptor antagonist, GW679769, when administered with intravenous ondansetron hydrochloride for the prevention of post-operative nausea and vomiting (PONV) in female subjects, \$50,000, Onsite Principal Investigator
Ortho-McNeill Pharmaceuticals, 2004-2005	Comparison of the safety and efficacy of a fentanyl HCl transdermal system and Morphine IV patient controlled analgesia for pain management following non-emergent abdominal surgery, \$60,000, Onsite Principal Investigator
Ortho-McNeil Pharmaceutical, 2004-2005	An observational multicenter prospective study of resource utilization in the management of postoperative pain using intravenous patient controlled analgesia, \$15,000, Onsite Principal Investigator

GlaxoSmithKline Group 2004	A multicenter, randomized, double blind, placebo-controlled study to evaluate the efficacy of intravenous ondansetron with dexamethasone versus intravenous ondansetron for prevention of post-operative nausea and vomiting in female subjects undergoing outpatient laparoscopic surgeries, \$ 48,000, Onsite Principal Investigator
Bristol-Myers Squibb Co., 2003-2005	Double-blind, randomized, placebo-controlled study of the analgesic efficacy and safety of acetaminophen injection 1G Vs. placebo for pain following total hip arthroplasty, \$ 56,000, Onsite Principal Investigator
Merck & Co., Inc. 2002-2003	A double-blind evaluation of preincisional rofecoxib versus ketorolac in reducing postoperative pain and opioid requirement after arthroscopic knee surgery, \$38,000, Principal Investigator initiated study
Abbott Laboratories, Inc. 2002-2003	Evaluation of dexmedetomidine as a sedative agent for awake carotid endarterectomy, \$ 11,000, Principal Investigator initiated study
Merck & Co., Inc. 2001-2002	A double-blind evaluation of preincisional rofecoxib versus placebo in reducing postoperative pain and opioid requirement after lumbar disk surgery, \$ 33,000, Principal Investigator initiated study
Sanofi Pharmaceuticals, Inc 2000-2001	Treatment of delayed neurologic deficits secondary to subarachnoid hemorrhage with milrinone, \$ 25,000, Principal Investigator initiated study
GlaxoWellcome, Inc 1999-2000	Cognitive functional recovery in a geriatric population after spine surgery: comparison between remifentanyl-nitrous oxide and isoflurane-nitrous oxide-fentanyl anesthesia, \$ 15,000, Principal Investigator initiated study
Sanofi Pharmaceuticals, Inc. 1998-2000	Computer simulation of cardiovascular mechanics: assessment of cardiotropic drug effects on myocardial oxygen balance, \$20,000, Principal Investigator initiated study

BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS

1. Egiazarov A, Abzianidze T, **Bekker A**, Poroshina M. Separation of carbon isotopes using electrical discharge. Proceed Academy of Science GSSR 1978; 4:354-362
2. **Bekker A**, Sevardia T, Happel J. Determination of the fragmentation pattern of HDO. Spectroscopy Letters 1982; 15:65-71
3. **Bekker A**, Knox D, Sund S. Prediction of solvent activities using the UNIFAC-FV model. Journal of Solution Chemistry 1987; 16:635-639

4. Broyer E, **Bekker A**, Ritter A. Kinetics of the pyrolysis of chlorodifluoromethane. *Industrial Engineering Chemistry* 1988; 27:208-211
5. **Bekker A**, Ritter A, Duran W. Reduction of pressure in post-capillary venules induced by epifluorescent illumination of FITC-Dextran. *Microcirculation, Endothelium, Lymphatics* 1987; 3:411-423
6. **Bekker A**, Dillon P, Paul J, Duran W. Dose-response relationship between platelets activating factor and permeability-surface area product of FITC-Dextran 150 in the hamster cheek pouch. *Microcirculation, Endothelium, Lymphatics*. 1988; 4:433-446
7. **Bekker A**, Ritter A, Duran W. Analysis of microvascular permeability to macromolecules by video-image digital processing. *Microvascular Research* 1989; 38:200-216
8. Paul J, **Bekker A**, Duran W. Calcium entry blockade prevents leakage of macromolecules induced by ischemia-reperfusion in skeletal muscle. *Circulation Research* 1990; 66:1636-1642
9. **Bekker A**, Von Hagen S, Yarmush J. A Macintosh HyperCard stack to simulate the pharmacokinetics of intravenous opioid infusions (NarSim). *Computer Applications in Biosciences* 1991; 7:531-532
10. **Bekker A**, Baker K, Baker C, Young W. Anesthetic consideration for management of cerebrovascular aneurysm surgery. *American Journal of Anesthesiology* 1995; 22:248-258
11. **Bekker A**, Wolk S, Turndorf H, Kristol, Ritter A. Computer simulation of cerebrovascular circulation: assessment of intracranial hemodynamics during induction of anesthesia. *Journal of Clinical Monitoring* 1996; 12:433-444
12. **Bekker A**, Mistry A, Ritter A, Wolk S, Turndorf H. Computer simulation of intracranial pressure changes during induction of anesthesia: comparison of thiopental, propofol, and etomidate. *Journal of Neurosurgical Anesthesiology* 1999; 11: 69-80
13. **Bekker A**, Berklayd P, Osborn I, Bloom M, Yarmush J, Turndorf H. Recovery of cognitive function after remifentanyl - N₂O anesthesia is faster than after isoflurane - N₂O - fentanyl combination in the elderly. *Anesthesia & Analgesia* 2000; 91:117-22
14. **Bekker A**, Wolk S, Rim J, Turndorf H, Ritter A. Comparison of cardiotropic drug effects on hemodynamic and myocardial energetics in patients with heart failure. A computer simulation. *Journal of Medical Engineering & Technology*; 2000; 24: 87-94
15. **Bekker A**, Kaufman B, Samir H, Doyle W. The use of dexmedetomidine infusion for awake craniotomy. *Anesthesia & Analgesia* 2001; 92:1251-3.
16. Bloom M, Beric A, **Bekker A**. Dexmedetomidine infusion and somatosensory evoked potentials. *Journal of Neurosurgical Anesthesiology* 2001; 13: 320-22
17. **Bekker A**, Cooper P, Frempong A, Errico T, Babu R, Leibovits A. Evaluation of preoperative administration of the COX-2 inhibitor rofecoxib for the treatment of postoperative pain after lumbar disk surgery. *Neurosurgery* 2002; 50: 1053-57. *This article was selected by the Dannemiller Memorial Educational Foundation to be published in the AnesthesiaFile – educational journal which select 30 outstanding articles from medical publication*
18. **Bekker A**, Sorour K, Miller S. The use of cardioselective beta-blockers in a patient with idiopathic hypertrophic subaortic stenosis and chronic obstructive pulmonary disease. *Journal of Clinical Anesthesiology* 2002; 14: 589-591
19. Ard J, Doyle W, **Bekker A**. Awake craniotomy with dexmedetomidine in pediatric patients. *Journal of Neurosurgical Anesthesiology* 2003; 15: 263-6
20. **Bekker A**, Weeks E. Cognitive Function after Anaesthesia in the Elderly. In: Bailliere's Best Practice & Research, *Clinical Anesthesiology*. Ed. Burkle H. 2003; Vol 17: 259-272

21. **Bekker A**, Basile J, Gold M, Riles T, Adelman M, Mathew J, Goldberg J. Dexmedetomidine for awake carotid endarterectomy: Efficacy, hemodynamic profile, and side effects. *Journal of Neurosurgical Anesthesiology* 2004; 16: 126-35
22. Ard J, Doyle W, **Bekker A**. Awake craniotomy with dexmedetomidine. Technical note. *Surgical Neurology*, 2005; 63:114-7
23. Ard J, Frempong T, **Bekker A**. Anesthetic considerations in a patient with mucopolysaccharoidosis I (Hurler syndrome) undergoing extensive spinal surgery. *Journal of Clinical Anesthesiology* 2005; 17: 624-6
24. Kim J, Sherman O, Cuff G, Leibovitz A, Wajda M, **Bekker A**. Double-masked prospective comparison of rofecoxib versus ketorolac for acute postoperative pain. *Journal of Clinical Anesthesiology*, 2005, 17: 439-43
25. **Bekker A**, Sturitis M. Use of dexmedetomidine for neurosurgical anesthesia. *Neurosurgery* 2005; 57: (ONS Suppl 1) ONS-1-ONS-10
26. Kim J, Wajda M, Gus M, Axelrod D, Schlamme M, Cuff G, **Bekker A**. A randomized prospective comparison of postoperative lavender oil aromatherapy versus control in decreasing pain after breast biopsy. *Journal of Pain*, 2006; 6:273-7
27. **Bekker A**, Shah R, Quartermain D, Li Y-S, Blanck T. Isoflurane preserves spatial working memory in adult mice following moderate hypoxia. *Anesthesia & Analgesia* 2006; 102:1134-8
28. Marimoto M, Kim J, Popovic J, Jain S, **Bekker A**. Ultrasound-guided lumbar plexus block for open reduction and internal fixation of hip fracture. *Journal of Pain* 2006; 6: 124-6
29. **Bekker A**, Gold M, Ahmed R, Kim J, Rockman C, Jacobovitz G, Riles T, Fisch G. Safety of dexmedetomidine as a primary sedative for awake carotid endarterectomy. *Anesthesia & Analgesia* 2006; 103:955-9
30. **Bekker A**, Haile, Gingrich K, Wenning L, Gorney A, Quartermain D, Blanck T. Physostigmine reverses cognitive dysfunction caused by moderate hypoxia in adult mice. *Anesthesia & Analgesia* 2007; 105:739-43 (*this article is accompanied by a supportive editorial*)
31. Kim JT, Ren C, Fielding G, Pitti A, Kasumi T, Wajda M, Lebovits A, **Bekker A**. Treatment with Lavender aromatherapy in Postanesthesia Care Unit reduces opioid requirements in morbidly obese patients undergoing laparoscopic adjustable gastric banding. *Obesity Surgery* 2007; 17: 920-925
32. Huncke T, Chan J, Kim T, Doyle W, **Bekker A**. The use of continuous positive pressure during an awake craniotomy in a patient with obstructive sleep apnea. *Journal of Clinical Anesthesiology* 2008; 20:277-9
33. **Bekker A**, Sturaitis M, Bloom M, Moric M, Golfinos J, Parker E, Babu R, Pitti A. The effect of dexmedetomidine on postoperative hemodynamics in patients undergoing craniotomy. *Anesthesia & Analgesia*, *Anesthesia Analgesia* 2008; 107:1370-7
34. Bergese S, Candiotti K, Zura A, Bokesch P, Wisemandle W, **Bekker A**. A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Dexmedetomidine Used for Sedation During Elective Awake Fiberoptic Intubation. *Anesthesia Analgesia*, Submitted for Publication
35. Lee M, Kim J, Gold M, **Bekker A**. Carotid endarterectomy: Anesthetic Choices and Cerebral Monitoring. *Neurosurgical Reviews*, Submitted for Publication
36. Haile M, Limpson F, Quartermain.D, Li Y-S, Gingrich K, Blanck T, **Bekker A**. Nimodipine prevents transient cognitive dysfunction after moderate hypoxia in adult mice. *Journal of Neurosurgical Anesthesiology*, In Press

37. Candiotti K, **Bekker A**, Bokesch P, Wisemandle W, Borgese S. A Phase III, randomized, double-blind, placebo-controlled, multicenter study evaluating the safety and efficacy of dexmedetomidine used for sedation during monitored anesthesia care (MAC). *Anesthesia & Analgesia*, Submitted for Publication

REVIEWS, REPORTS, LETTERS, AND EDUCATIONALLY RELEVANT PUBLICATIONS

1. Kang C, Bajars L, Ozawa S, **Bekker A**. Two-stage coal liquefaction process. Catalysis Research Corp. Report for the Department of Energy 1981
2. **Bekker A**. Keywords definitions - physiology and pharmacology. *Anesthesia defined keywords* 1998. MedText Medical Publishing Co., Redondo Beach, CA
3. **Bekker A**, Turndorf H, Wolk S, Ritter A: Computer analysis of cerebrovascular hemodynamics during induction of anesthesia. In: L. Henson and A. Lee, eds. *Simulators in Anesthesiology Education*. New York: Plenum Publishing Corp. 1998; 121-122
4. **Bekker A**. Neurophysiology; Clinical Neuroanesthesia; Anesthesia for the patient with psychiatric disease. Big Cram before Exam. *Anesthesia Board Essentials*. 1999, MedText Medical Publishing Co., Redondo Beach, CA
5. **Bekker A**. Myocardial ischemia during embolization of brain AVM. *Problem-Based Learning Discussions*. American Society of Anesthesiologists, 1999
6. **Bekker A**. Anesthetic considerations for neuroradiology. *Problem-Based Learning Discussions*. American Society of Anesthesiologists, 2000
7. **Bekker A**, O'Neill, Rambissoon G. Basic principles of total intravenous anesthesia. *Current Reviews in Anesthesiology*. 20 (20): 241-253, 2000
8. **Bekker A**. Total intravenous anesthesia. *Current Reviews for Nurse Anesthetists*. Lesson 18, v. 23 195-204, 2001
9. **Bekker A**. Anesthetic considerations for stereotactic neurosurgery, *Problem-Based Learning Discussions*. American Society of Anesthesiologists, 2001
10. **Bekker A**. Keywords definitions - physiology and pharmacology. *Anesthesia defined keywords* 2001. MedText Medical Publishing Co., Redondo Beach, CA
11. **Bekker A**. Is LMA appropriate for this case? *Problem-Based Learning Discussions*. American Society of Anesthesiology, 2002
12. **Bekker A**. Surgical and anesthetic considerations for epilepsy surgery. *Postgraduate Assembly of Anesthesiologists* 2002
13. **Bekker A**, Jorden V. Alpha-2 agonists in Neuroanesthesia. *Seminars in Anesthesiology, Perioperative Medicine and Pain*. Special Issue: The brain and anesthesia. 2004; Vol 23: 181-191
14. **Bekker A**. Gold M. Dexmedetomidine as primary sedative in CEA patients. *Letter to the Editor*. *Journal of Neurosurgical Anesthesiology* 2004; 16:320-21
15. **Bekker A**. Neurodegenerative disorders: Surgical procedures and anesthetic implications. 2005 ASA Refresher Course Lectures, 217 (1-7)
16. **Bekker A**. Perioperative management of patients with neurological syndromes. *Current Reviews in Anesthesia*, 2006, 26:211-220
17. **Bekker A**, Miller S. Brain protection: Clinician's perspective. *NYSSA Sphere* 2006
18. **Bekker A**. Carotid Endarterectomy: Anesthetic choice and cerebral monitoring. *ASA Refresher Course* 2007

19. **Bekker A.** Faculty of 1000 evaluation: Yasui Y et al. *Anesthesiology* 2007; 107:992-1002
20. **Bekker A.** Intraoperative uses of dexmedetomidine. Postgraduate Assembly of Anesthesiologists 2007
21. **Bekker A.** Anesthetic management of pediatric patient undergoing awake craniotomy. Postgraduate Assembly of Anesthesiologists 2007
22. **Bekker A.** Faculty of 1000 evaluation: Billotta F et al, *J Neurosurg Anesthesiol* 2007; 19:156-60
23. **Bekker A.** Faculty of 1000 evaluation of an article: Jellish W et al. *Anesthesiology* 2007; 108:78-86
24. **Bekker A, Huncke T.** Anesthesia for Carotid Endarterectomy. *Current Review in Anesthesiology*, 2008. In Press
25. **Bekker A.** Faculty of 1000 evaluation: Johnson C et al, *J Neurosurg Anesthesiol* 2008 1:21-8
26. **Bekker A.** Faculty of 1000 evaluation: Uyar A, et al. *J Neurosurg Anesth* 2008; 20:174-9
27. **Bekker A. Kim S.** Postoperative Cognitive Dysfunction. *Current Reviews in Anesthesiology* 2009, Lesson 13, Vol 29
28. Huncke T, **Bekker A.** Surgical and Anesthetic Considerations for Epilepsy Patients. *Current Reviews in Anesthesiology* – print date April, 2009
29. Lynch L, Lee M, **Bekker A.** Perioperative uses of dexmedetomidine. *Sphere* 2009; Accepted for publication

PATENTS

1. Patel K, Murthy A, **Bekker A.** Catalytic process for production of light hydrocarbons by treatment of heavy hydrocarbons with water. US Patent 4 743 357, 1988
2. Murthy A, **Bekker A,** Patel K. Deposition of thin films using supercritical fluids. US Patent 4 737 384, 1988
3. Bellet R, Broyer E, **Bekker A,** Lace M. Method of compressively molding articles from resin coated filler materials. US Patent 4 709 839, 1987
4. Patel K, **Bekker A,** Murthy A, Gefry F. Process for production of hydrogenated light hydrocarbons by treatment of heavy hydrocarbons with water and carbon monoxide. US Patent 4 675 097, 1987
5. Murthy A, Patel K, **Bekker A.** Production of light hydrocarbons by treatment of heavy hydrocarbons with water. US Patent 4 543 177, 1985
6. Murthy A, Patel K, **Bekker A.** Process for production of light hydrocarbons by treatment of heavy hydrocarbons with water. US Patent 4 446 012, 1984

PROCEEDINGS OF MEETINGS

1. Muthy A, **Bekker A.** The Allied process for upgrading heavy crude. *Proceedings of the Third International Conference on Heavy Oil Processing, Los Angeles, CA, 3:36-9,1985*
2. **Bekker A.** Knox D, Sund S. Prediction of solvent activities in polymer solution using UNIFAC-FV model. *Proceed of 2nd International Symposium on Solubility Phenomena, Newark, NJ, 1986, 9-11*
3. **Bekker A,** Ritter A, Duran W. Convective transport of macromolecules in microcirculation. *Proceedings of the Seventy Eighth Annual Meeting of the American Institute of Chemical Engineering, New York, NY, 78:103-7*

4. Puranic B, Kristol D, Ritter A, **Bekker A**. Assessment of myocardial oxygen supply and demand using a dynamic model of the cardiovascular system. Proceeding of the. IEEE 18th Annual Northeast Bioengineering Conference. New Port, RI, 18: 67-9, 1992
5. Ritter A, Sundaram G, Kristol D, **Bekker A**. Simulation of intracranial hemodynamics. Proceeding of the 19th IEEE Northeast Bioengineering Conference, Boston, MA, 19:27-30, 1993
6. **Bekker A**, Sundaram G, Ritter A, Kristol D. Computer simulation of cerebrovascular responses during induction of anesthesia. Proceeding of the 3rd Annual North American Anesthesia Resident Research Conference, Philadelphia, PA, 3:4-6, 1995
7. Wolk S, **Bekker A**, Ritter A, Kristol D. Mathematical model of cerebrovascular hemodynamics. Proceeding of the IEEE 21st Northeast Bioengineering Conference, Orono, ME, 21: 34-7, 1995
8. **Bekker A**, Wolk S, Ritter A, Kristol D. Computer simulation of cerebrovascular circulation. Assessment of intracranial hemodynamics during induction of anesthesia. Proceeding of the 15th International symposium on Computing in Anesthesia and Intensive Care. Philadelphia, PA 15:5-7, 1995
9. **Bekker A**, Wolk S, Turndorf H. Mathematical model of intracranial hemodynamics: clinical applications. Proceeding of the 2nd Annual Conference on Simulation in Anesthesia Education, Rochester, NY, 2:4-6, 1996
10. Shalago J, Wolk S, Kristol D, Turndorf H, **Bekker A**. Cerebral blood flow and intracranial pressure during induced hypotension. Computer simulation. Proceeding of the 8th Annual Uni-Tech Conference on Science and Technology, Newark, NJ 8:7-11, 1998
11. **Bekker A**, Turndorf H, Wolk S, Ritter A. Computer analysis of cerebrovascular hemodynamics during induction of anesthesias. In: L Henson and a Lee, eds. Simulator in Anesthesiology Education. New York:Plenum Publishing Corp. 1998; pp:121-2
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16. Gorny A, Haile M, Li YS, **Bekker A**. Physostigmine reverses cognitive dysfunction caused by moderate hypoxia in adult mice. Proceedings of the Postgraduate Assembly in Anesthesiology 2006
17. **Bekker A**. Brain protection. Proceedings of the Postgraduate Assembly in Anesthesiology 2005
18. **Bekker A**. Postoperative Cognitive Dysfunction. Proceedings of the Postgraduate Assembly in Anesthesiology 2006
19. Wenning L, Haile M, **Bekker A**. Comparison of the object recognition test with Y-maze test in assessing mice working memory after moderate hypoxia. Proceedings of the Postgraduate Assembly of Anesthesiologists 2006
20. Limpson F, Haile M, **Bekker A**. Nimodipine preserves working memory in adult mice after hypoxia. Proceedings of the Postgraduate Assembly of Anesthesiologists 2006
21. **Bekker A**. Awake craniotomy for supratentorial lesions. Proceedings of the Postgraduate Assembly in Anesthesiology 2006

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23. **Bekker A**. Intraoperative use of dexmedetomidine. *Proceedings of the Postgraduate Assembly in Anesthesiology* 2007
24. **Bekker A**. Awake craniotomy in pediatric patient. *Proceedings of the Postgraduate Assembly in Anesthesiology* 2007
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26. **Bekker A**. Temperature Management in the Neurosurgical Patient: Is It Safe, Helpful, and Worth the Risks? *Proceedings of the Postgraduate Assembly in Anesthesiology* 2008
27. Bekker A. **Pro/Con**: TIVA Is Better Than Inhalation Anesthesia for Neurosurgical Procedures. *Proceedings of the Postgraduate Assembly in Anesthesiology* 2008

PUBLISHED ABSTRACTS

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9. **Bekker A**, Rim J, Wolk, Turndorf H. A PC-based graphical simulator for comparison of hemodynamic effects and myocardial energetics of cardiotropic drugs. *Journal of Clinical Monitoring* 1999; 15: 524
10. **Bekker A**, Rim J, Ritter A, Turndorf H. Comparative effects of cardiotropic drugs on hemodynamics and myocardial energetics. A computer simulation. *Anesthesiology (Supplement)* 1999; 91: A-54
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12. **Bekker A**, Mass HJ, Ursino M. Dilation of cerebral collateral circulation may improve perfusion to ischemic area distal to vasospasm. A computer simulation. *Journal of Neurosurgical Anesthesiology* 2000; 12:403

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14. **Bekker A**, Pryadko A, Kogan A, Huncke T, Lax J. Evaluation of COX-2 inhibitor rofecoxib for treatment of postoperative pain after lumbar disk surgery. *Journal of Neurosurgical Anesthesiology* 2002; 14:346
15. **Bekker A**, Pryadko, Bloom M, Ard J. Monitored anesthesia care using dexmedetomidine for awake craniotomy. *Journal of Neurosurgical Anesthesiology* 2002; 14:346
16. **Bekker A**, Berklayd P, Osborn I. The recovery of cognitive function after remifentanyl-nitrous oxide anesthesia is faster than after an isoflurane-nitrous oxide-fentanyl combination in elderly patients. *Year Book of Anesthesiology and Pain Management* 2002: 165
17. **Bekker A**, Basile J, Gold M, Riles T. Evaluation of dexmedetomidine as a sedative agent for awake carotid endarterectomy. *Anesthesia & Analgesia* 2003; 96: S-165
18. **Bekker A**, Basile J, Gold M, Cuff G, Mathew J. Safety and efficacy of dexmedetomidine for sedation in patients undergoing awake carotid endarterectomy. *Anesthesiology (Supplement)* 2003; 99: A-136
19. **Bekker A**, Gold M, Basile J, Riles T, Adelman M. Hemodynamic and respiratory changes related to the use of dexmedetomidine in patients undergoing awake carotid endarterectomy. *Anesthesiology (Supplement)* 2003; 99: A-359
20. Kim J, Sherman O, Cuff G, Lebovits A, Wajda M, **Bekker A**. A double masked prospective comparison of rofecoxib versus ketorolac for acute postoperative pain. Preliminary report. *Anesthesia & Analgesia* 2004; 98: S-3
21. Kim J, Sherman O, Cuff G, Lebovits A, Wajda, **Bekker A**. A double masked prospective comparison of rofecoxib versus ketorolac for acute postoperative pain. *Anesthesiology (Supplement)* 2004; 101: A-133
22. **Bekker A**, Gold M, Ahmed R, Aronov D, Cuff G. The safety of dexmedetomidine as a primary sedative for awake carotid endarterectomy. *Anesthesiology (Supplement)* 2005; 103: A-239
23. **Bekker A**, Shah R, Quartermain D, Li Y-S, Blanck T. Effect of isoflurane on working memory in adult mice following moderate hypoxia. *Anesthesiology (Supplement)* 2005; 103: A-338
24. **Bekker A**, Haile M, Quartermain D, Li Y-S, Blanck T. Isoflurane prevents cognitive impairment caused by moderate hypoxia in mice. *Anesthesia & Analgesia* 2006; 102: S184
25. **Bekker A**, Gold M, Ahmed R, Aronov D, Cuff G. The safety of dexmedetomidine as a primary sedative for awake carotid endarterectomy *Anesthesia & Analgesia* 2006; 102: 191(*selected to be presented at the Kosaka symposium which selects best American and Japanese abstracts submitted to the annual meeting of the IARS*)
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27. **Bekker A**, Haile M, Gorny A, Li Y-S, Blanck T. Moderate hypoxia, isoflurane anesthesia, and object recognition in adult mice. *Journal of Neurosurgical Anesthesiology* 2006; 18:280
28. **Bekker A**, Haile M, Gorny A, Li Y-s, Quartermain D. Physostigmine reverses cognitive impairment caused by moderate hypoxia in rodents. *Journal of Neurosurgical Anesthesiology* 2006; 18:283
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31. Kim JT, Daley S, Wajda M, Pitti A, Ren C, **Bekker A**. Lavender oil alleviates postoperative pain in morbidly obese patients undergoing laparoscopic gastric banding. *Anesthesia & Analgesia* 2007; 104:S-6
32. Haile M, Wenning L, Li Y-S, Quartermain D, **Bekker A**. Nimodipine reverses cognitive impairment in adult mice after hypoxia. *Journal of Neurosurgical anesthesiology* 2007; 19:330
33. Haile M, Lemson F, Quartermain D, Blanck T, **Bekker A**. Nimodine improves object recognition memory in mice after moderate hypoxia. *Anesthesiology (Supplement)* 2007; 107; A-2235
34. Sturaitis M, **Bekker A**, Bloom M, Moric M, Godina M, Toleikis S. The effect of dexmedetomidine on perioperative hemodynamics in patients undergoing craniotomy. *Anesthesia & Analgesia* 2008; S-133
35. Haile M, Rocco M, Li Y-S, Quartermain D, Blanck T, **Bekker A**. Nitroglycerin Induced Hypotension Causes Delayed Transient Cognitive Dysfunction in Adult Mice. *Anesthesia & Analgesia* 2008; S-134
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37. Huncke T, Borgese S, Candiotti K, Bockesh P, **Bekker A**. A prospective, randomized, placebo-controlled study evaluating the efficacy of dexmedetomidine for sedation during vascular procedures. Accepted for presentation at the ASA 2008
38. Candiotti K, **Bekker A**, Borgese S, Feldman M, Bockesh P, A Phase III, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Dexmedetomidine for Sedation During Monitored Anesthesia Care. Accepted for presentation at the ASA 2008
39. Haile M, Broderick P, Lee Y-S, Limpson F, Quartermain D, Blanck T, **Bekker A**. Accepted for presentation at the ASA 2008
40. Bloom M, Godina M, Giagardi M, **Bekker A**. BIS variability and depth of analgesia. Accepted for publication at the ASA 2008
41. Haile M., Broderick P.A., Li Y-S., Quartermain D., **Bekker A**. Nimodipine Reverses the Hypoxic Elevation of Dopamine and Serotonin in the Striatum of Adult Rats. Abstract accepted by The American Society of Anesthesiologists, Orlando FL, October 2008.
42. Broderick P.A., Li Y-S., Ho H., Wat K., Haile M., **Bekker A.**, Kolodny E. H. Neuro-molecular Imaging of monoamine and peptide neurotransmitters in an animal model of Parkinson's disease: Effects of the dopamine agonist, bromocriptine. Abstract accepted by The Society for Neuroscience, Washington DC, November 2008.

INVITED LECTURES/PRESENTATIONS

- Dec 1997 Postgraduate Assembly in Anesthesiology. New York, NY
Lecturer: Practical clinical pharmacokinetics
- May 1997 Annual New York Anesthesiology Review, New York, NY
Lecturer: Intravenous anesthetics

- Dec 1998 Postgraduate Assembly in Anesthesiology. New York, NY
Lecturer: Practical aspects of total intravenous anesthesia (TIVA).
- Apr 1999 Center for Drug Development Science (CDDS). Best Practices Workshop. Arlington, VA
Lecturer: Comparative effects of cardiotropic drugs on hemodynamics and myocardial energetics
- Jun 1999 MedText Anesthesia Board Review, Redondo Beach, CA
Lecturer: Neuroanesthesia: Physiologic and clinical essentials
Anesthesia for patient with psychiatric disease
Anesthesia for patient with neurological disease
- Oct 1999 American Society of Anesthesiologists, Dallas, TX
Moderator, Problem-Based Learning Discussion: "Myocardial ischemia during embolization of brain AVM"
- Oct 1999 Society for Computers in Anesthesia. Dallas, TX
Lecturer: Modeling of Physiological Systems: Principles and Applications
- Dec 1999 Postgraduate Assembly in Anesthesiology. New York, NY
Moderator, Problem-Based Learning Discussion: Anesthesia for interventional neuroradiology
- May 2000 NYSSA Annual Meeting, Resident Section
Keynote speaker: Postoperative pain management
- Jun 2000 Brazilian Society of Anesthesiologists. Rio de Janeiro, Brasil
Participant in panel on total intravenous anesthesia (TIVA)
Presentation: Remifentanyl: initial experience and clinical applications.
Participant in panel on Perioperative analgesia
Presentation: Non-opioid postoperative analgesia
- Oct 2000 American Society of Anesthesiologists, San Francisco, CA
Moderator, Problem-Based Learning Discussion: "Induced hypotension and myocardial ischemia"
- Dec 2000 Postgraduate Assembly in Anesthesiology. New York, NY
Moderator, Problem-Based Learning Discussion: "Anesthetic considerations for neurovascular procedures"
- May 2001 Medical Society County of Orange County, New Windsor, NY
Participant in panel on New Approaches to Common Problems
Presentation: Postoperative pain management
- Oct 2001 American Society of Anesthesiologists, New Orleans, LA
Moderator, Problem-Based Learning Discussion: Treatment of intraoperative myocardial ischemia
- Oct 2001 Society of Neurosurgical Anesthesia and Critical Care/American Society of Critical Care Joint Symposium, New Orleans, LA
Participant in panel on Dexmedetomidine in Neuroanesthesia and Critical Care
Presentation: Intraoperative experience with alpha-2-adrenergic agonists in neurosurgical patients
- Dec 2001 Postgraduate Assembly in Anesthesiology. New York, NY
Moderator, Problem-Based Learning Discussion: Anesthetic considerations for stereotactic neurosurgery

- Dec 2001 Postgraduate Assembly in Anesthesiology. New York, NY
Lecturer: Critical evaluation of the monitors of brain function
- Oct 2002 American Society of Anesthesiologists, Orlando, FL
Moderator, Problem-Based Learning Discussion: "Is LMA appropriate for this case?"
- Dec 2002 Postgraduate Assembly in Anesthesiology. New York, NY
Lecturer: "Monitoring depth of anesthesia"
- Dec 2002 Postgraduate Assembly in Anesthesiology. New York, NY
Participant in panel on "Pediatric neurosurgery"
Presentation: "Surgical and anesthetic considerations for epilepsy surgery"
- Sep 2003 New York State Society of Nurse Anesthetists, New York, NY
Lecturer: "Anesthesia for seizure focus resection"
- Oct 2004 American Society of Anesthesiologists, Las Vegas NE
Moderator, Problem-Based Learning Discussion: "Anesthesia for Seizure surgery"
- Oct 2004 American Society of Anesthesiologists, Las Vegas, NE
Participant in panel on "Novel uses of dexmedetomidine in the operating room"
Presentation: "Dexmedetomidine for awake carotid endarterectomy"
- Oct 2004 American Society of Anesthesiologists, Las Vegas, NE
Participant in panel on "Anesthetizing the patient with neurodegenerative disease undergoing functional neurosurgery"
Presentation: "Epilepsy surgery. Anesthetic consideration for brain mapping"
- Oct 2004 Society for Neurosurgical Anesthesiology and Critical Care
Participant in panel on "Awake Craniotomy"
Presentation: "Pharmacologic strategies for awake craniotomy"
- Dec 2004 Postgraduate Assembly in Anesthesiology, New York, NY
Participant in panel on "Challenges in Neuroanesthesia"
Presentation: "Anesthesia for functional neurosurgery"
- May 2005 Philadelphia Society of Anesthesiologists, Philadelphia, PA, Anesthetic Consideration for Epilepsy Surgery
- Oct 2005 American Society of Anesthesiologists, Atlanta, GA
Refresher Course Lecture: "Neurodegenerative disorders: Surgical Procedures and Anesthetic Implications"
- Oct 2005 American Society of Anesthesiologists, Atlanta, GA
Scientific Panel on New Drugs in Neuroanesthesia. Panel Moderator & Speaker
- Dec 2005 Postgraduate Assembly in Anesthesiology, New York, NY
Participant in panel on "Perioperative organ protection"
Presentation: "Brain protection"
- Oct 2006 Society for Neuroanesthesiology and Critical Care, Chicago II
Moderator: Poster session of Cerebral Protection
- Oct 2006 American Society of Anesthesiologists, Chicago, II
Moderator, Scientific Panel on "Anesthetic management of a patient with neurological disorders"; Oral poster sessions on Experimental Neurosciences and Monitoring of the CNS function.
Speaker, Anesthesia for Functional and Stereotactic Neurosurgery
- Oct 2006 Society for Neurosurgical Anesthesiology and Critical Care
Moderator, Breakfast Panel: Intracranial hypertension: Etiology, Diagnosis, Management.

- Dec 2006 Postgraduate Assembly in Anesthesiology, New York, NY
Moderator, Scientific Panel: Changing Practice in Neuroanesthesia
Speaker: Does perioperative care have a role in reducing cognitive dysfunction?
- Dec 2006 Postgraduate Assembly in Anesthesiology, New York, NY
Moderator, Focus Session: Craniotomy for Supratentorial Lesions
Speaker: Awake craniotomy: Rationale, Goals and Anesthetic Management
- Oct 2007 American Society of Anesthesiologists, San Francisco, CA
Refresher Course: Carotid Endarterectomy: Anesthetic Choice and Cerebral Monitoring
Moderator, Poster Discussion: Cerebral Monitoring
- Dec 2007 Postgraduate Assembly in Anesthesiology, New York NY
Speaker (Scientific Panel): Awake craniotomy in pediatric patient
Moderator: Perioperative uses of dexmedetomidine
Speaker (Focus Session): Intraoperative uses of dexmedetomidine
- Oct 2008 American Society of Anesthesiologists, Orlando, FL
Speaker, Dexmedetomidine in Neurosurgery: New drug or more of the same?
- Oct 2008 American Society of Anesthesiologists, Orlando, FL
Panelist, Clinical Forum in Neuroanesthesia
- Oct 2008 Precedex International Evening Seminar, Orlando, FL
Procedural sedation for non-intubated patients, MAC sedation by dexmedetomidine
- Dec 2008 Postgraduate Assembly in Anesthesiology, New York, NY
Speaker (Scientific Panel) Perioperative Brain Protection
- Dec 2008 Postgraduate Assembly in Anesthesiology, New York, NY
Speaker (Scientific Panel) Temperature Management in the Neurosurgical Patient: Is It Safe, Helpful, and Worth the Risks?
- Dec 2008 Postgraduate Assembly in Anesthesiology, New York, NY
Speaker (Focus Session) TIVA is Better than Inhalational Anesthesia for Neurosurgical Procedures

VISITING PROFESORSHIPS/GRAND ROUNDS LECTURES

Sep 1988 New Jersey Institute of Technology, Newark, NJ
Jun 2001 St.Barnabas Medical Center, Livingston, NJ
Jul 2001 Stamford General Hospital, Stamford, CT
Jan 2002 Walter Reed Medical Center, Washington, D.C.
Feb 2002 Methodist Hospital and Medical Center, Brooklyn, NY
Mar 2002 Buffalo General Hospital, Buffalo, NY
Jun 2002 Englewood Hospital and Medical Center, Englewood, NJ
Aug 2002 Staten Island University Hospital, Staten Island, NY
Apr 2003 INOVA Fairfax Hospital, Falls Church, VA
Sep 2003 Nassau County Medical Center, Uniondale, NY
Feb 2004 University of Medicine and Dentistry – New Jersey Medical School, Newark, NJ
Jan 2005 Thomas Jefferson Medical Center, Philadelphia, PA
Jan 2005 Philadelphia Society of Anesthesiologists, Philadelphia, PA
Apr 2006 Winthrop Hospital, Long Island, NY
May 2006 Upstate Medical Center, Syracuse, NY
May 2007 Ohio State University Medical Center, OH
Oct 2007 Lenox Hill Hospital
Oct 2007 NYSSA, Distract 1 Fall Meeting, Brooklyn, NY
Oct 2007 New York Medical College, Valhalla, NY
Dec 2007 St Lukes Roosevelt Hospital and Medical Center, New York, NY
Dec 2007 North Carolina Society of Neurocritical Intensive Care, Durham, NC
Mar 2008 The New York Hospital – Weill Cornell Medical Center, New York, NY
Apr 2008 Maryland Society of Anesthesiologists, Baltimore, MD
May 2008 Nassau/Suffolk Counties Society of Anesthesiologists, Great Neck, NY
Nov 2008 University of Miami Miller School of Medicine, Miami, FL
Nov 2009 University of Massachusetts Memorial Medical Center, Worcester, MA
Dec 2009 Columbia-Presbyterian Medical Center, New York, NY