

Curriculum Vitae
The Johns Hopkins University School of Medicine

Frederick Sieber, MD

Date

DEMOGRAPHIC INFORMATION

CURRENT APPOINTMENTS

Professor - Anesthesiology/Critical Care Medicine, Johns Hopkins Hospital

Director of Anesthesiology and Clinical Research, Dept of Anesthesiology

Johns Hopkins Bayview Medical Center, Johns Hopkins Medical Institutions

PERSONAL DATA

4940 Eastern Avenue
Baltimore, Maryland 21224
410.550.0942 office
410.550.0443 fax
fsieber@jhmi.edu

EDUCATION

Undergraduate:
B.A. Chemistry, 1977, Northwestern University, Evanston, IL

Medical School:
M.D., 1981, University of Pittsburgh, Pittsburgh, PA

Postgraduate Training:
Medicine Internship, 1981-1982, Pennsylvania Hospital, Philadelphia, PA

Post Doctoral Training:
Residency, Anesthesiology, 1982-1984, University of Pennsylvania, Philadelphia, PA
Program Chairman: Harry Wollman, M.D.

Fellow, Neuroanesthesiology, 1984-1985, University of Pennsylvania, Philadelphia, PA
Program Chairman: Harry Wollman, M.D.

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PROFESSIONAL APPOINTMENTS

2011-Present	Professor - Anesthesiology/Critical Care Medicine Johns Hopkins Medical Institutions
1993 - 2011	Associate Professor - Anesthesiology/Critical Care Medicine Johns Hopkins Medical Institutions
1986 - 1993	Assistant Professor - Anesthesiology/Critical Care Medicine Johns Hopkins Medical Institutions
1985 - 1986	Instructor - Anesthesiology/Critical Care Medicine, Johns Hopkins Medical Institutions

PUBLICATIONS:

Peer Reviewed Articles

1. **Sieber FE**, Smith DS, Kupferberg J, Crosby L, Uzzell B, March K, Nann L: The Effects of Intraoperative Glucose on Protein Catabolism and Serum Glucose Levels in Patients with Supratentorial Tumors. *Anesthesiology*, 64:453-459, 1986.
2. **Sieber FE**, Smith DS, Traystman RJ, Wollman H: Glucose: A Re-evaluation of its Intraoperative use. *Anesthesiology* 67:72-81, 1987.
3. **Sieber FE**, Smith DS: Use of Glucose-Containing Solutions During Surgery. *Anesthesiology*, 68:651-652, 1988.
4. **Sieber FE**, Derrer SA, Saudek CD, Traystman RJ: Effect of Hypoglycemia on Cerebral Metabolism and Carbon Dioxide Responsivity. *Am J Physiol*, 256:H697-H706, 1989.
5. Derrer SA, **Sieber FE**, Saudek CD, Traystman RJ: Cerebrovascular and Metabolic Responses to Hypoxia During Hypoglycemia in Dogs. *Am J Physiol*, 258:H400-H407, 1990.

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6. **Sieber FE**, Toung T, Derrer SA, Saudek CD, Traystman RJ: Hypoglycemia and Cerebral Autoregulation in Anesthetized Dogs. *Am J Physiol*, 258:H1714-H1721, 1990.
7. Toung TJ, **Sieber FE**, Grayson RF, Derrer SA: Chemoreceptor Injury as Probable Cause of Respiratory Depression Following a Simultaneous, Bilateral Carotid Endarterectomy. *Crit Care Med*, 18:1290-1291, 1990.
8. **Sieber FE** and Traystman RJ: Special Issues: Glucose and the Brain. *Crit Care Med*, 20:104-114, 1992.
9. **Sieber FE**, Toung TJ, Diringer MN, Wang H, Long DM: Preoperative Risks Predict Neurological Outcome of Carotid Endarterectomy Related Stroke. *Neurosurgery*, 30:847-854, 1992.
10. **Sieber FE**, Derrer SA, Eleff SM, Koehler RC, Traystman RJ: Hypocapnic-Hypoglycemic Interactions on Cerebral High-Energy Phosphates and pH in Dogs. *Am J Physiol*, 263:H1864-H1871, 1992.
11. **Sieber FE**, Wilson DE, Hanley D, Traystman RJ: Extracellular Potassium Activity and Cerebral Blood Flow During Moderate Hypoglycemia in Anesthetized Dogs. *Am J Physiol*, 264 :H1774-H1780, 1993.
12. **Sieber FE**, Brown PR, Wu Y, Koehler RC, Traystman RJ: Cerebral Blood Flow Responsivity to CO₂ in Anesthetized Chronically Diabetic Dogs. *Am J Physiol*, 264:H1069-H1075, 1993.
13. **Sieber FE**, Sieber AN, Traystman RJ: Ethical Issues Involved in the Development of Animal Models for Type I Diabetes. *ILAR News*, 35:19-23, 1993.
14. **Sieber FE**, Brown PR, Wu Y, Koehler RC, Traystman RJ: Cerebral Blood Flow and Metabolism in Dogs with Chronic Diabetes. *Anesthesiology*, 79: 1013-1021, 1993.
15. **Sieber FE**, Koehler RC, Brown PR, Eleff SM, Traystman RJ: Diabetic Chronic Hyperglycemia and Cerebral pH Recovery Following Global Ischemia. *Stroke*, 25: 1449-1455, 1994.
16. Palmon SC, **Sieber FE**, Brown PR, Koehler RC, Eleff SM, Traystman RJ: Poor Hemodynamic and Metabolic Recovery after Global Incomplete Cerebral Ischemia Associated with Short Term Diabetes in Dogs. *J Cereb Blood Flow Metab*, 15:673-680, 1995.
17. **Sieber FE**, Martin LJ, Palmon SC, Traystman RJ: Global Incomplete Cerebral Ischemia as a Model for Regional Selective Neuronal Injury. *Stroke*, 26:2091-2095, 1995.

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18. **Sieber FE**, Traystman RJ: Editorial Comment. *Stroke*, 26: 660, 1995.
19. **Sieber FE**, Martin LJ, Brown PR, Palmon SC, Traystman RJ: Diabetic Chronic Hyperglycemia and Neurologic Outcome Following Global Ischemia in Dogs. *J Cereb Blood Flow Metab.*16:1230-1235, 1996.
20. **Sieber FE**, Traystman RJ, Martin LJ: Delayed Neuronal Death After Global Incomplete Ischemia in Dogs is Accompanied by Changes in Phospholipase C Protein Expression. *J Cereb Blood Flow Metab.*17:527-533, 1997.
21. **Sieber FE**: The Neurologic Implications of Diabetic Hyperglycemia During Surgical Procedures at Increased Risk for Brain Ischemia. *J Clin Anesth* 9:334-340, 1997.
22. **Sieber FE**, Traystman RJ, Brown PR, Martin LJ: Protein Kinase C Expression and Activity Following Global Incomplete Ischemia in Dogs. *Stroke* 29:1445-1453,1998.
23. Martin LJ, Al-Abdulla NA, Brambrink AM, Kirsch JR, **Sieber FE**, Portera-Cailliau C: Neurodegeneration in Excitotoxicity, Global Cerebral Ischemia, and Target Deprivation: A Perspective on the Contributions of Apoptosis and Necrosis. *Brain Research Bulletin* 46:281-309,1998.
24. Martin LJ, **Sieber FE**, Traystman RJ: Apoptosis and Necrosis Occur in Separate Neuronal Populations in Hippocampus and Cerebellum After Ischemia and are Associated with Differential Alterations in Metabotropic Glutamate Receptor Signaling Pathways. *J Cereb Blood Flow Metab* 20:153-67, 2000.
25. Toung TK, Hurn PD, Traystman RJ, **Sieber FE**: Estrogen Decreases Infarct Size Following Temporary Focal Ischemia in a Genetic Model of Type 1 Diabetes Mellitus. *Stroke* 31:2701-2706, 2000.
26. **Sieber FE**, Hurn PD, Alkayed NJ, Traystman RJ: Gender Based Differences in Na⁺-K⁺-Adenosine Triphosphatase Activity Occur in the Microcirculation of the Diabetic Rat Brain. *Anesthesiology* 94:372-375, 2001.
27. Nahtomi-Shick O, Kostuik JP, Winters BD, Breder CD, Sieber AN, **Sieber FE**: Does Intraoperative Fluid Management in Spine Surgery Predict Intensive Care Unit Length of Stay? *J Clin Anesth* 13(3):208-212, 2001.
28. DeJonge KE, Christmas C, Andersen RA, Franckowiak S, Mears S, Levy P, Wenz JF, **Sieber FE**. Hip Fracture Service: An Interdisciplinary Model of Care. *J Am Geriatr Soc* 49(12):1737-8, 2001.

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29. Zakriya KJ, Christmas C, Wenz JF, Franckowiak S, Andersen RA, **Sieber FE**: Preoperative Factors Associated with Postoperative Change in Confusion Assessment Method (CAM) Score in Hip Fracture Patients. *Anesth Analg* 94:1628-32, 2002.
30. Zakriya KJ, **Sieber FE**, Christmas C, Wenz JF Sr., Franckowiak S: Brief Postoperative Delirium in Hip Fracture Patients Affects Functional Outcome at Three Months. *Anesth Analg* 98:1798-802, 2004.
31. John AD, **Sieber FE**: Age Associated Issues: Geriatrics. *Anesthesiol Clin North America* 22:45-58, 2004.
32. Viscusi ER, Martin G, Hartrick CT, Singla N, Manvelian G, **the EREM Study Group**: Forty-Eight Hours of Postoperative Pain Relief After Total Hip Arthroplasty with a Novel, Extended-Release Epidural Morphine Formulation. *Anesthesiology* 102:1014-22, 2005.
33. Sharma P, **Sieber FE**, Zakriya K, Pauldine R, Gerold K, Hang J, Smith TH: Recovery Room Delirium Predicts Postoperative Delirium in Patients Undergoing Hip Fracture Repair. *Anesth Analg* 101:1215-1220, 2005.
34. Zhang TJ, Hang J, Wen DX, Hang YN, **Sieber FE**: Hippocampal BCL-2 and Bax Expressions and Neuronal Apoptosis after Moderate Hypothermic Cardiopulmonary Bypass in Rats. *Anesth Analg* 102:1018-25, 2006.
35. Carson JL, Terrin ML, Magaziner J, Chaitman BR, Apple FS, Heck DA, and Sanders D **for the FOCUS Investigators**: Transfusion Trigger Trial for Functional Outcomes in Cardiovascular Patients Undergoing Surgical Hip Fracture Repair (FOCUS). *Transfusion* 46:2192-206, 2006.
36. **Sieber FE**, Gottshalk A, Zakriya KJ, Mears S, and Lee H: General Anesthesia Occurs Frequently in Elderly Patients During Propofol Based Sedation and Spinal Anesthesia. *J Clin Anes* 22:179-83, 2010
37. Lee HB, DeLoatch CJ, Cho SJ, Rosenberg PB, Mears SC, **Sieber FE**. Detection and Management of Pre-Existing Cognitive Impairment and Associated Behavioral Symptoms in the Critical Care Unit. *Crit Care Clin* 24(4):723-736, 2008.
38. Pauldine R, **Sieber FE**: Considerations for Intensive Care of the Geriatric Patient. *Contemporary Critical Care* 6(8):1-12, 2009.
39. **Sieber FE**: Postoperative Delirium in the Elderly Surgical Patient. *Anesthesiology Clinics* 27(3):451-464, 2009.

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40. **Sieber FE**, Zakriya K, Gottschalk A, Blute M, Lee HB, Rosenberg PB, Mears SC: The Role of Sedation Depth During Spinal Anesthesia in the Development of Postoperative Delirium in Elderly patients Undergoing Hip Fracture Repair. *Mayo Clinic proceedings*, 85(1):18-26,2010. **Paper has accompanying editorial.**
41. Thakkar SC, **Sieber FE**, Zakriya KJ, Mears SC. Eight-year follow-up on the effect of a hip fracture service on patient care and outcome. *J Surg Orthop Adv*. In press, 2010.
42. **Sieber FE**. Decreasing postoperative delirium in the elderly: the role of sedation depth. Editorial. *Aging Health*, 6(3):267-268, 2010.
43. **Sieber FE**. Reply to letter to the editor concerning manuscript "General Anesthesia Occurs Frequently in Elderly Patients During Propofol Based Sedation and Spinal Anesthesia". *J Clin Anes* 23(1):80-81, 2011.
44. **Sieber FE**, Barnett SR. Preventing postoperative complications in the elderly. *Anesthesiology Clinics* 29(1):83-99,2011.
45. Neufeld KJ, Joseph Bienvenu O, Rosenberg PB, Mears SC, Lee HB, Kamdar BB, **Sieber FE**, Krumm SK, Walston JD, Hager DN, Touradji P, Needham DM. The Johns Hopkins Delirium Consortium: A Model for Collaborating Across Disciplines and Departments for Delirium Prevention and Treatment. *J Am Geriatr Soc* 59: S244-S248, 2011.
46. Lee HB, Mears SC, Rosenberg PB, Leoutsakos JM, Gottschalk A, **Sieber FE**. Predisposing Factors for post-operative delirium after hip fracture repair among patients with and without dementia. *J Am Geriatr Soc*. 2011 Dec;59(12):2306-13.
47. **Sieber FE**, Mears S, Lee H, Gottschalk A. Postoperative opioid consumption and its relationship to cognitive function in older adults with hip fracture. *J Am Geriatr Soc*. 2011 Dec;59(12):2256-62.
48. **Sieber FE**. Anesthesia Management. In, *A Guide to improving the care of patients with fragility fractures*. *Geriatr Ortho Surg Rehab*. 2(1):5-37, 2011.
49. Carson JL, Terrin ML, Noveck H, Sanders DW, Chaitman BR, Rhoads GG, Nemo G, Dragert K, Beaupre L, Hildebrand K, Macaulay W, Lewis C, Cook DR, Dobbin G, Zakriya KJ, Apple FS, Horney RA, and Magaziner J, **for the FOCUS Investigators**. Liberal or restrictive transfusion in high-risk patients after hip surgery. *N Engl J Med* 2011;365:2453-62.

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50. Neufeld KJ, Leoutsakos JMS, **Sieber FE**, Joshi D, Wanamaker BL, Rios-Robles J, MD, and Needham DM. Evaluation of two delirium screening tools for detecting post-operative delirium in the elderly. *Br J Anaesth* 2013 111:612-8.
51. Christmas C, Mears SC, **Sieber FE**, Votsis J, Wood RC and Friedman SM. Case Discussion : Large Volume Blood Loss and Delirium in a Patient With Subtrochanteric Fracture, Dementia, and Multiple Comorbidities. *Geriatric Orthopaedic Surgery & Rehabilitation* 2011 2: 172-180.
52. Neufeld KJ, Leoutsakos JS, **Sieber FE**, Wanamaker BL, Gibson Chambers JJ, Rao V, Schretlen DJ, Needham DM. Outcomes of Early Delirium Diagnosis after General Anesthesia in the Elderly. *Anesth Analg* 2013 117:471-8.
53. Strike SA, **Sieber FE**, Gottschalk A, Mears SC. Role of fracture and repair type on pain and opioid use after hip fracture in the elderly. *Geriatr Orthop Surg Rehabil.* 2013 4:103-8.
54. Strom C, Rasmussen LS, **Sieber FE**. Should general anaesthesia be avoided in the elderly? *Anaesthesia* 2013 69 Suppl1:35-44.
55. Ouanes JP, Tomas VG, Sieber F. Special Anesthetic Consideration for the Patient with a Fragility Fracture. *Clin Geriatr Med.* 2014 May;30(2):243-259.
56. Brown CH 4th, Azman AS, Gottschalk A, Mears SC, **Sieber FE**. Sedation depth during spinal anesthesia and survival in elderly patients undergoing hip fracture repair. *Anesth Analg.* 2014 May;118(5):977-80.

Chapters and Letters:

1. **Sieber FE**, McShane AJ: Neuroleptic Malignant Syndrome. *NEJM*, 313:1291, 1985.

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2. **Sieber FE:** Diabetes Mellitus. In Current Practice in Anesthesiology. Edited by M.C. Rogers, BC Decker, St Louis, 1990. pp 43-48.
1. **Sieber FE:** Preoperative Assessment of the Patient with Endocrine Disease and Diabetes. In, Principles and Practice of Anesthesiology, Edited by M.C. Rogers, J.H. Tinker, B.G. Covino, and D.E. Longnecker, C.V. Mosby Company, St. Louis, 278-298, 1993.
2. **Sieber FE:** Evaluation of the Patient with Endocrine Disease or Diabetes Mellitus. In Principles and Practice of *Anesthesiology*, 2nd Edition, 303-322, 1997.
3. **Sieber FE:** Cerebral Aneurysm Clipping, in Essence of Anesthesia Practice, First Edition, W.B. Saunders, p367, 1997.
4. **Sieber FE:** Cerebral Aneurysm Clipping, in Essence of Anesthesia Practice, Second Edition, W.B. Saunders, p367, 2001.
5. **Sieber FE, Pauldine R:** Anesthesia for the Elderly, in Miller's Anesthesia, 6th Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2435-2449, 2005.
6. **Sieber FE, Hang J:** The Geriatric Patient, in Anesthesia and Uncommon Diseases, 5th Edition, Edited by Fleisher LA, Saunders Elsevier, Philadelphia, PA, 583-599, 2006.
7. **Sieber FE:** Issues of Specific Importance to the Elderly in Preoperative Assessment, in Geriatric Anesthesia; Edited by Sieber F, McGraw-Hill Companies, Inc., New York, N.Y., 153-161 2007.
8. **Sieber FE:** Postanesthesia Care Unit, in Geriatric Anesthesia; Edited by Sieber F, McGraw-Hill Companies, Inc., New York, N.Y., 279-285, 2007.
9. **Sieber FE, John A:** Evaluation of the Patient with Endocrine Disease or Diabetes Mellitus. In Principles and Practice of *Anesthesiology*, 3rd Edition, In Press.
10. **Sieber FE, Pauldine R:** Anesthesia for the Elderly, in Miller's Anesthesia, 7th Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2261-2276, 2010.
11. Sharma P, **Sieber FE:** Anatomy and Physiology of the Adult Central Nervous System, in Neuroanesthesia and Critical Care Handbook, Edited by Brambrink A and Kirsch J, Springer, US, In Press.

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12. Lackamp A, **Sieber FE**: Physiologic Response to Anesthesia in the Elderly, in Principles and Practice of Geriatric Surgery, 2nd Edition, Edited by Rosenfeld RA, Zenilman ME, and Katlic MR. Springer, NY, NY, 291-303, 2011.
13. Schwartz SJ, Sieber FE: The elderly patient and the intensive care unit, in Manual of Geriatric Anesthesia, Edited by Barnett SE. Springer, NY, NY, 173-192, 2013.

Book Reviews for Journals:

1. **Sieber FE**: Raised Intracranial Pressure: A Clinical Guide. *Anesthesiology*, 74:799,1991.
2. **Sieber FE**: Anesthesia and Neurosurgery. *Anesthesiology*, 81:1315, 1994.
3. **Sieber FE**: The Neuroanesthesia Handbook. *Anesth Analg* 82:1114, 1996.

Books Written and Edited:

Geriatric Anesthesia; Edited by Sieber F, McGraw-Hill Companies, Inc., New York, N.Y.; 2007.

GRANTS

K08 NS01380 Effects of Glucose on Cerebral Blood Flow and Metabolism

P.I. - Frederick E. Sieber

9/1/89 - 8/31/94

75% effort

Total Costs: \$356,400

American Heart Grant-in-Aid

Mechanism of Delayed Ischemic Neuronal Injury

P.I. - Frederick E. Sieber

7/01/97 - 6/30/00

20% effort

Total Costs: \$60,000

RO1 NS38554--01

IHAST2 (Hypothermia During Intracranial Aneurysm Surgery)

Multicenter Study

P.I. - Frederick E. Sieber (for Johns Hopkins site)

4/01/99 - 3/31/04

5% effort

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Total costs: \$6,347,411

SkyePharma, Inc

A Phase 3 Randomized, Double Blind, Placebo Controlled Parallel Group Dose Ranging Study to Evaluate the Safety and Efficacy of a Single Epidural Dose of Sustained Release Encapsulated Morphine (SKY0401) in the Management of Postoperative Pain in Patient's Undergoing Hip Arthroplasty.

P.I.- Frederick E. Sieber (for Johns Hopkins site)

6/1/01-6/1/02

10% effort

Costs for Bayview site: \$60,000

The American Geriatrics Society

Increasing Geriatrics Expertise in Surgical and Related Medical Specialties:
Geriatrics Education for Specialty Residents Program

P.I.- Frederick E. Sieber

7/1/01-6/31/03

5% effort

Total Costs: \$32,000

NIDA

Differential Modulation of Cognitive Performance by a Mu-Opioid Agonist in Cocaine Users and Controls

P.I.-David A. Gorelick

11/1/01-11/1/03

5% effort

Anesthesiology Costs: \$60,000

NIH RO1 HL073958-01A1

Functional Outcomes in Cardiovascular Patients Undergoing Surgical Hip Fracture Repair

Co-Investigator (for Johns Hopkins Site)

P.I.- Jeffrey Carson UMDNJ-Robert Wood Johnson Medical School

10/1/03-4/30/09

5% effort

Total Costs: \$11,000,000

Blaustein Pain Research Fund

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Effects of Continuous Lumbar Plexus and Sciatic nerve Block on Functional Restoration and Outcome after Unilateral Total Knee Arthroplasty

Co- Investigator and research Mentor

P.I.- Jian Hang

7/1/04 – 6/30/06

2.5% effort

Total Costs: \$50,000

NIH RO1 AG029656-01A1

Perioperative cognitive protection-dexmedetomidine and cognitive reserve

P.I. for Johns Hopkins site

P.I.- Jeffrey Silverstein Mount Sinai School of Medicine

4/01/08-3/31/14

5% effort

Total Costs: \$2,500,000

NIH RO1 HL739580-1A1

Cognitive Ancillary Study to the FOCUS study

Co-Investigator for Johns Hopkins site

P.I.- Ann L. Gruber-Baldini, Ph.D.; University of MD School of Medicine

4/1/08-3/30/10

5% effort

Total Costs: \$750,000

Orthopedic Trauma Association

Cerebrospinal Fluid Cytokines as Biomarkers for Delirium Following Hip Fracture Repair in Elders

Co-Investigator

P.I.-Simon Mears, M.D., Ph.D.

1/1/2008-12/31/2009

5% effort

Total Costs: \$40,000

5R01AG027236-03

NFkb Related Genetic Influences on Inflammation and Poor Health in Older

Adults

Co-Investigator

P.I.- Jeremy Walston, M.D.

2/1/09-8/31/10

2.5% effort

Total Costs: \$260,000

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NIH RO1 AG033615

A Strategy for Reduction of Postoperative Delirium in Elderly Patients

P.I.

5/1/2010-4/30/2015

30% effort

Total Costs: \$2,050,000

EDUCATIONAL ACTIVITIES

Teaching:

CLINICAL INSTRUCTION:

Member of Neuroanesthesia Group, The Johns Hopkins Hospital 1985 - 1996

- a. Teaching of residents during perioperative period. This involved approximately 1 hour/day while performing operating room duties. My clinical commitment during this time period was 2.5 days in the operating room/week.
- b. 2 lectures/year (1 hour each) on basic anesthesia topics for medical students taking the anesthesiology clerkship.
- c. 2 lectures/year (1 hour each) on topics in neuroanesthesiology aimed at a resident level.
- d. 1 grand rounds lecture/year (1 hour each) to the Department of Anesthesiology on topic of my choosing
- e. 1 monthly neuroanesthesiology conference/year (1 hour in length).

Chief, Division of Neuroanesthesia, The Johns Hopkins Hospital 1996 - 1999

Teaching responsibilities were similar to above with the following changes:

- a. Teaching of residents during perioperative period. This involved approximately 1 hour/day while performing operating room duties. My clinical commitment during this time period was 3 days in the operating room/week.
- b. I changed the Neuroanesthesiology conferences from monthly to weekly (30 minutes). I assumed responsibility for all content.

Dept of Anesthesiology, Johns Hopkins Bayview Medical Center,

Johns Hopkins Medical Institutions

1999 - present

During my tenure at Johns Hopkins Bayview Medical Center I have had the following teaching responsibilities:

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- a. Teaching of residents during perioperative period. This involved approximately 1 hour/day while performing operating room duties. My clinical commitment during this time period has been 5 days in the operating room/week.
- b. Journal club for the residents, once a month (1 hour each). The content and teaching are my responsibility.
- c. 1 lecture on topics involving geriatric anesthesia/month (1 hour each). The content and teaching are my responsibility.
- d. Organization of 3 grand rounds lectures/year (1 hour each) to the Department of Anesthesiology on topics involving geriatric anesthesia.

MENTORING-NEUROANESTHESIOLOGY FELLOWS TRAINED:

Sally Palmon (1993-1995)
Shamema Karjeker (1996-1997)
Renata Rusa (1997-1998)
Edward Washington (1997)

Christopher Breder (1997-1999)
Jane Depper (1997)
Orit Nahtomi-Shick (1998-1999)

MENTORING-GERIATRIC ANESTHESIA RESEARCH FELLOWS TRAINED:

Ali Jelveh (2005-2006)-Tehran, Iran
Ai Hirao (2012-2014)-Tokyo, Japan

MENTORING-Ph.D. CANDIDATE COMMITTEE MEMBER:

Ruth Lee- University of Maryland School of Nursing
“Unplanned Admission and Emergency Visits Following Outpatient Surgery”

MSTAR students mentored:

Chau Oung; Ohio University College of Osteopathy-2009
Jennifer Beasley; Maine College of Osteopathy-2010
Jessica Hubbs; University of Arizona-2011
Chitra Kavouspour; Texas A&M-2012

EDITORIAL ACTIVITIES:

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1990 - present	ad hoc reviewer for American Journal of Physiology (Heart and Circulatory Section)
1990 - present	ad hoc reviewer for Anesthesiology
1993 - present	ad hoc reviewer for Anesthesia and Analgesia
1995 - present	ad hoc reviewer for Stroke
1995 - present	ad hoc reviewer for Critical Care Medicine
1995 - present	ad hoc reviewer for Journal of Clinical Anesthesia
1998 - present	ad hoc reviewer for Journal of Neurosurgical Anesthesia
1998 - present	ad hoc reviewer for Metabolism
2010 - present	ad hoc reviewer for Journal of Postgraduate Medicine
2011 - present	ad hoc reviewer for Journal of the American Geriatrics Society
2011 - present	ad hoc reviewer for Mayo Clinic Proceedings
2011 - present	ad hoc reviewer for Anesthesiology Research and Practice
2011 - present	ad hoc reviewer for Geriatric Orthopaedic Surgery & Rehabilitation
2013 - present	ad hoc reviewer for International Psychogeriatrics
2013 - present	ad hoc reviewer for Annals of the American Thoracic Society
2013 - present	ad hoc reviewer for Brain
2013 - present	ad hoc reviewer for Journal of Orthopedic Trauma

CLINICAL ACTIVITIES:

Board Certification:

Diplomate, November, 1985, American Board of Anesthesiology

Licensure: 1981 Pennsylvania, 1985 Maryland

Clinical Responsibilities:

Member of Neuroanesthesia Group, The Johns Hopkins Hospital	1985 - 1999
Operating Room Coordinator, The Johns Hopkins Hospital	1993 - 1999
Chief, Division of Neuroanesthesia, The Johns Hopkins Hospital	1996 - 1999
Vice Chairman and Director of Clinical Research, Dept of Anesthesiology, Johns Hopkins Bayview Medical Center, Johns Hopkins Medical Institutions	1999 - 2000
Director of Clinical Research and Anesthesiology, Dept of Anesthesiology, Johns Hopkins Bayview Medical Center,	2001 - present

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Clinical Commitments:

7/1/1985-8/30/1989 3 days per week + full call

9/1/1989-8/31/1994 1 day per week + full call

9/1/1994-8/30/1999 3 days per week + full call

9/1/1999-6/30/2006 4 days per week + full call

7/1/2006-6/30/2007 3.5 days per week + full call

7/1/2007-present 2.5 days per week + full call

Clinical Committees at Johns Hopkins Hospital:

1993 – 1999, Departmental Credentials Committee (4 meetings/year, 2 hours each)

1991 – 1999, Departmental Quality Assurance Committee (1 meeting/month, 1 hour each)

1994 – 1999, Clinical Standards Working Group, Department of Anesthesiology (1 meeting/month, 1 hour each)

ACCM Clinical Research Review Committee, Dept of Anesthesiology (1 meeting quarterly, 2 hour each) In addition, I reviewed grants (approximately 3 hour required for each meeting) 1998 – 2000

Clinical Committees at Johns Hopkins Bayview Medical Center:

Operating Room Committee, 1999 – present (1 meeting/month, 1 hour each)

JHBP Advisory Board, 2000 – present (1 meeting/month, 2 hour each)

Clinical Practice Committee, 2000 – present (1 meeting/month, 1 hour each)

Executive Quality Management Forum, 2000 – present (1 meeting/month, 1 hour each)

Medical Board, 2000 – present (1 meeting/month, 1 hour each)

Pain Management Steering, 2000 – present Committee (1 meeting/month, 1 hour each)

PCA Credentialing Committee, 2000 – present (1 meeting/month, 1 hour each)

Surgical Science Joint Practice Committee, 2000 – present (1 meeting/month, 1 hour each)

Search Committee for Surgical Chair at JHBMC, 2000 – 2001 (1 meeting every 2 months, 2 hour each; in addition, I interviewed all candidates)

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Search Committee for Obstetrics and Gynecology Chair at JHBMC, 2001 – 2002

Search Committee for Surgical Chair at JHBMC, 2004 (1 meeting every 2 months, 2 hour each; in addition, I interviewed all candidates)

ORGANIZATIONAL ACTIVITIES:

UNIVERSITY SERVICE:

- | | |
|-------------|---|
| 1993 – 1999 | Grant Review Committee for NIH funded Clinical Research Unit, Johns Hopkins Hospital, Chairman: C. Saudek |
| 2005 – 2006 | Subcommittee for advanced clerkships; curriculum reform committee;
Chairman: C. Durso |
| 2013 – 2014 | Search Committee for Endowed Chair in Geriatric Psychiatry;
Chairman: G. Smith |

PROFESSIONAL SOCIETIES:

- | | |
|----------------|--|
| 1982 – Present | American Society of Anesthesiologists |
| 1982 – Present | International Anesthesia Research Society |
| 1994 – Present | Association of University Anesthesiologists |
| 2001 – Present | Society for Advancement of Geriatric Anesthesia |
| 1994 – 2000 | FASEB (Physiology) |
| 1996 – 2000 | Society for Neuroscience |
| 1996 – 2000 | Society for Neurosurgical Anesthesia and Critical Care |

POSITIONS HELD LOCALLY OR NATIONALLY IN PROFESSIONAL SOCIETIES:

- | | |
|------------------------|--|
| 2008 – Present | President-elect Society for Advancement of Geriatric Anesthesia (national) |
| 2006 – 2008 (national) | Secretary for Society for Advancement of Geriatric Anesthesia |
| 2001 – 2006 | Board member for SAGA (national) |
| 1990 - 2000 | Speaker's Committee for Maryland Society of Anesthesiologists (local) |

Curriculum Vitae

The Johns Hopkins University School of Medicine

RECOGNITION:

RESEARCH AWARDS:

Best paper award in Neurological and Behavioral Sciences- Surgical Risk factors for Postoperative Delirium (PD) in Hip Fracture Patients. Kavouspour C, Wang N, Mears S, Sieber F; Annual Meeting of American Geriatrics Society; Dallas TX, May, 2013.

GRANT REVIEW: INTERNATIONAL

2010- ZonMw - The Netherlands Organisation for Health Research and Development
PO Box 93245, 2509 AE The Hague
suurland@zonmw.nl
www.zonmw.nl

2011- ZonMw - The Netherlands Organisation for Health Research and Development
PO Box 93245, 2509 AE The Hague
suurland@zonmw.nl
www.zonmw.nl

DSMB MEMBER 2011:

“Pathophysiology of Postoperative Delirium in Older Patients”
(Grant Number: AG031795-01A2; PI: Leung)

INVITED LECTURES:LOCAL

"Risks of Intraoperative Glucose Administration," at the biannual tri-state meeting of the Maryland, Delaware and Washington Societies of Anesthesiology, Baltimore, Maryland. May, 1990

“Anesthetic Management of Supratentorial Craniotomy for Tumor”, at grand rounds, Anesthesia Department, St Joseph’s Hospital, Towson, MD, April, 2002.

“Postoperative Delirium in the Elderly”, at the Johns Hopkins Medical and Surgical Association Biannual Meeting, Baltimore, MD, June, 2005.

“Postoperative Delirium, Does the Anesthesiologist Make a Difference”, Grand Rounds, Department of Orthopaedic Surgery, Johns Hopkins Medical Institutions, February, 2009.

“Postoperative Delirium, Does the Anesthesiologist Make a Difference”, Grand Rounds, Department of Anesthesia, St. Joseph’s Hospital, Towson, MD, June, 2009.

“Postoperative Delirium, Does the Anesthesiologist Make a Difference”, Grand Rounds, Department of Anesthesia, Washington Hospital Center, October, 2009.

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The Johns Hopkins University School of Medicine

“Postoperative Cognitive Dysfunction After General Anesthesia”, Chesapeake Bay Society of Perianesthesia Nurses, Baltimore, October, 2009

INVITED LECTURES: NATIONAL

"Effects of Intraoperative Glucose in Patients Undergoing Supratentorial Craniotomy", at the Philadelphia Society of Anesthesiologists Annual Meeting, Philadelphia, Pennsylvania. June, 1985

"Glucose and the Cerebrum," at the American Society of Anesthesiologists Annual Meeting, New Orleans, Louisiana. October, 1987

"Role of Glucose and the Brain," at the American Society of Anesthesiologist Annual Meeting, Las Vegas, Nevada. October, 1990.

“Current State of Education in Geriatric Anesthesiology,” at the American Geriatrics Society Annual Meeting, Washington, D.C., May, 2002.

“Increasing Geriatric Expertise in Anesthesiology,” at the American Geriatrics Society Annual Meeting, Washington, D.C., May, 2002.

“Increasing Geriatric Expertise in Anesthesiology,” at the Society for the Advancement of Geriatric Anesthesia Annual Meeting, Orlando, Florida. October, 2002.

“Postoperative Delirium, Does the Anesthesiologist Make a Difference”, FAER Scientific Panel, Annual Meeting of the ASA, Orlando, October, 2008.

“Postoperative Cognitive Dysfunction After General Anesthesia”, ASPAN, Washington, DC, March, 2009

“Postoperative Delirium Following Hip Fracture Repair”, Orthopedic Anesthesia Pain Rehabilitation Society, New Orleans, October, 2009.

“Implementing Clinical Pathways for the Hip Fracture Patient”, ASA Panel on caring for the hip fracture patient, ASA annual meeting, New Orleans, October, 2009

“Management of the demented patient for orthopedic surgery”, Orthopedic Anesthesia Pain Rehabilitation Society, San Diego, October, 2010.

“A Randomized Trial of Post-operative Delirium in the Elderly”, Clinical research Grand Rounds, Welch Center, Baltimore, January, 2012.

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The Johns Hopkins University School of Medicine

“Increasing practice opportunities: co-management of the geriatric fracture patient, anesthesia and pain management”, Annual meeting of American Geriatric Society, Seattle, WA, May, 2012.

“The Impact of Cognitive State on Survival Following Surgery for Hip Fracture Repair”, American Delirium Society, Indianapolis, IN, June, 2012

“P’s and Q’s of collaboration”, Summer research institute for geriatric mental health, Baltimore, MD, July, 2013.

“Postoperative Delirium in the Elderly, Does Anesthesia Care Play a Role?”, Colorado Society of Anesthesiologists Annual Meeting, Denver, Colorado, Sept, 2011.

“Postoperative Cognitive Dysfunction”, Colorado Society of Anesthesiologists Annual Meeting, Denver, Colorado, Sept, 2011.

INVITED LECTURES:INTERNATIONAL

“Education in Geriatric Anesthesia: U.S. Experience,” at the Age Anaesthesia Society Annual Meeting, Manchester, U.K., May, 2007.

“Postoperative Delirium and Cognitive Decline in the Elderly”, Renji University, Shanghai, China, May, 2006

“Postoperative Delirium and Cognitive Decline in the Elderly”, First Peking University, Beijing, China, May, 2006

“Perioperative Management of Dementia”, Brazilian Society of Anesthesiologists Annual Meeting, Natal, Brazil, Nov, 2007

“Postoperative Delirium in the Elderly, Does Anesthesia Care Play a Role?”, Second International Meeting on geriatric Anesthesia, NY, NY, Dec, 2008

“Developing the Concept of Geriatric Anesthesia,” at the Age Anaesthesia Society Annual Meeting, Grange over Sands, U.K., May, 2009.

“Postoperative Delirium in the Elderly, Does Anesthesia Care Play a Role?”, Sheba Hospital, Department of Anesthesiology. Tel Aviv, Israel, Nov, 2010.

“Perioperative Risks and Management of the Elderly Patient”, Sheba Hospital, Department of Anesthesiology. Tel Aviv, Israel, Nov, 2010.

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“Postoperative Delirium in the Elderly, Does Anesthesia Care Play a Role?”, 34th Myron B. Laver International Postgraduate Course, Basel, Switzerland, Feb, 2014.

“Who are we enrolling into delirium intervention studies and what interventions are we testing?”, 7th Annual Bedside to Bench Conference “Delirium in Older Adults: Finding Order in the Disorder” supported by the National Institute on Aging, the American Geriatrics Society, and the John A. Hartford Foundation. Bethesda, MD, Feb, 2014.

CONTINUING EDUCATION

“Perioperative Central Nervous System Monitoring”, Perioperative Management, March, 2007, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2007, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2008, Marco Island, Fla.

“Monitoring Intraoperative Awareness and CNS Function”, Perioperative Management, March, 2008, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2009, Marco Island, Fla.

“Monitoring Intraoperative Awareness and CNS Function”, Perioperative Management, March, 2009, Marco Island, Fla.

“Perioperative Risks and Management of the Elderly Patient”, Perioperative Management, March, 2009, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2010, Marco Island, Fla.

“Monitoring Intraoperative Awareness and CNS Function”, Perioperative Management, March, 2010, Marco Island, Fla.

“Perioperative Risks and Management of the Elderly Patient”, Perioperative Management, March, 2010, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2011, Marco Island, Fla.

Curriculum Vitae

The Johns Hopkins University School of Medicine

“Monitoring Intraoperative Awareness and CNS Function”, Perioperative Management, March, 2011, Marco Island, Fla.

“Perioperative Risks and Management of the Elderly Patient”, Perioperative Management, March, 2011, Marco Island, Fla.

“Postoperative Delirium, Cognitive Decline, and Depression”, Perioperative Management, March, 2012, Marco Island, Fla.

“Perioperative Risks and Management of the Elderly Patient”, Perioperative Management, March, 2012, Marco Island, Fla.

“Postoperative Delirium and Cognitive Decline”, Perioperative Management, March, 2013, Marco Island, Fla.

“Perioperative Management of Dementia”, Perioperative Management, March, 2013, Marco Island, Fla.

“Postoperative Delirium and Cognitive Decline”, Perioperative Management, March, 2014, Marco Island, Fla.

“Perioperative Management of Dementia”, Perioperative Management, March, 2014, Marco Island, Fla.

INVITED PANEL ORGANIZER: NATIONAL

American Society of Anesthesiologist, 1990 Las Vegas. Organizer and moderator of workshop entitled, "Improving neurological outcome following untoward events."

ANNUAL MEETING ORGANIZER: NATIONAL

Society for the Advancement of Geriatric Anesthesia annual meeting, New Orleans, October, 2009

INVITED BIBLIOGRAPHY COMPILATION: NATIONAL

Society of Neurosurgical Anesthesia and Critical Care, 1998, 2000, 2002. Compiled bibliography for the society focusing on cerebral metabolism and physiology.

Geriatric Curriculum for Geriatric Anesthesia Committee of the ASA-2007

Revision-Geriatric Curriculum for Geriatric Anesthesia Committee of the ASA-2009

Curriculum Vitae

The Johns Hopkins University School of Medicine

Frequently Asked Questions About Elderly Patients and Their Anesthetic Requirements-
Brochure for practicing Anesthesiologists from the ASA committee on Geriatric Anesthesia
(2009)

NATIONAL COMMITTEES:

May 2004 – Present: American Geriatrics Society Surgical Specialty Council committee on Teaching Geriatrics to Anesthesia Residents. This committee was organized by the American Society of Anesthesiologists Committee on Geriatric Anesthesia in cooperation with the Society for the Advancement of Geriatric Anesthesia. The purpose of the committee is to develop and coordinate efforts in educational training of geriatric anesthesia with the goal of providing a curriculum for geriatric anesthesia and a series of formats utilizable by the residents and practicing anesthesiologists.

2007: American Geriatrics Society. Grant review committee member for the 2007 Geriatrics Education for Specialty Residents (GSR) applications.

2008: American Geriatrics Society. Grant review committee member for the 2008 Geriatrics Education for Specialty Residents (GSR) applications.

2009: American Geriatrics Society. Grant review committee member for the 2009 Geriatrics Education for Specialty Residents (GSR) applications.

2006 – Present: American Society of Anesthesiologists Committee on Geriatric Anesthesia (national).

VISITING PROFESSORSHIPS

Uniformed Services University of the Health Sciences, F. Edward Herbert School of Medicine, Department of Anesthesiology, February 1988.

University of Oregon Health Sciences Center, Department of Anesthesiology, October, 1990.

University of Pennsylvania, Department of Anesthesiology, June 1990.

Brigham and Women's Hospital, Department of Anesthesiology, February, 1993.

University of Connecticut, Department of Anesthesiology, April 1994

Hahnemann Medical School, Department of Anesthesiology, April, 1995

Georgetown University, Department of Anesthesiology, February, 1996.

Curriculum Vitae

The Johns Hopkins University School of Medicine

Walter Reed Hospital, Department of Anesthesiology, June, 2006.

Beth Israel/Deaconess, Department of Anesthesiology, March, 2010.

Boston University, Department of Anesthesiology, May, 2010.

New York University, Department of Anesthesiology, October, 2010.

University of Maryland, Department of Anesthesiology, March, 2011.