CURRICULUM VITAE: STEVEN MARC SHULMAN, MD, MSc

 Rev. 5/31/2013

Home address: 127 West 96th St., Apt. PHB, New York, NY 10025

Born: December 28, 1956 Worcester, Massachusetts

Cell Number: 347-351-8908 E-mail: steve@steveshulman.com

American Board of Anesthesiology no. 18409 Cert. on 4/27/1990—Recert.8/09-12/31/19

American Board of Anesthesiology Pain Medicine Recertified on 1/1/2003--exp: 12/31/2013

Diplomate of Nat. Boards of Medical Examiners Awarded no. 264078 on 7/01/1985

BLS expiration: expires 8/27/2013 ACLS : expires 8/27/2013

DEA, NPI and CDS Data

Employment and Academic Appointments:

7/1/2013- present Assistant Professor, non-tenure in the Dept. of Anesthesiology

 Rutgers University at Newark,

 185 South Orange Avenue, Room E-538, PO Box 1709,

 Newark, NJ 07101-1709

 Attending anesthesiologist at University Hospital, Newark, NJ

2/27/2011-6/30/2013 Assistant Professor, non-tenure in the Dept. of Anesthesiology

 Attending Anesthesiology, UMDNJ,

 185 South Orange Avenue, Room E-538, PO Box 1709,

 Newark, NJ 07101-1709

1/1/2011- 2/27/2011 Vacation

9/1/09-12/31/2010 Anesthesia Assistant Attending, Active Staff, Lutheran Medical Center, 155 55th St., Brooklyn, NY 11220

5/ 14/2009-8/31/09 Anesthesia Attending (LT), Lutheran Medical Center, 155 55th St., Brooklyn, NY 11220

5/18/2009-8/24/09 Anesthesia Attending (LT), St. Joseph’s Hospital, 16th& Girard, Philadelphia, PA 19130

10/29/08- 5/13/09 Assistant Attending (LT), Peninsula Medical Center, 51-15 Beach Channel Drive, Far Rockaway, NY 11691 (Intermittent after 3/23/09)

9/ 2/2008-10/23/08 Anesthesia Attending (LT), Lutheran Medical Center, 155 55th St., Brooklyn, NY 11220

1/7/2008-8/29/2008 Anesthesia Attending (LT), UMDNJ, 185 South Orange Avenue,

 Room E-538, PO Box 1709, Newark, NJ 07101-1709

12/ 2007- 1/4/2008 Anesthesia Attending (LT), Lutheran Medical Center, 155 55th St., Brooklyn, NY 11220

10/27/2007- 11/2007 Vacation

10/1-26, 2007 and Anesthesia Attending (LT), Columbia Memorial Hospital,

 12/10-14, 2007 71 Prospect St., Hudson, NY 12534

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Employment and Academic Appointments (cont):

3/2006-9/ 7/2007 Assistant Attending Physician in Anesthesiology (LT)

 Westchester Medical Center, Valhalla, New York 10595

2/ 2006 Anesthesia Attending (LT), Upstate Med. Ctr., Syracuse NY 13210

1/2006 Vacation

12/2005 Volunteer Physician, New Orleans, LA

10/ 2000 to 11/2005 Assistant Clinical Professor of Anesthesiology

 Attending Anesthesiologist, Director of Pain Medicine,

 Mount Sinai Hosp. of Queens, Queens, NY 11103,

 Formerly known as Western Queens Community Hosp.(WQCH)

6/1997 to 9/2000 Attending Anesthesiologist, WQCH, Queens, NY 11103

 Pain Specialist, WQ Pain and Rehab Ctr. , Jackson Hts. , NY

7/1990 to 6/1997 Assistant Professor of Anesthesiology, Columbia University

 Attending Anesthesiologist, Attending, Pain Treatment Service

 Columbia Presbyterian Medical Center, New York, NY 10032

Education and Training

1988-1990 Pain Fellowship, Dept. of Anesthesiology New York, NY

 Columbia Presbyterian Medical Center, 10032

1985-1988 Anesthesiology Residency New York, NY

1984-1985 General Surgery Internship 10025

 St. Lukes-Roosevelt Hospital Center,

1978-1984 Doctor of Medicine Worcester, MA

 Master of Science in Biochemistry (1980-82) 01605

 University of Massachusetts Medical Center,

1974-1978 Bachelor of Arts in Chemistry Summa cum laude

 University of Massachusetts, Amherst, MA 01003

Honor Societies: Phi Beta Kappa, Phi Kappa Phi

Professional Societies

American Society of Anesthesiologists Eastern Pain Association

New York State Society of Anesthesiology Society for Obstetrical Anesthesia and Perinatology

North American Spine Society

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UMDNJ Departmental Activities

Coordinator Anesthesiology Grand Rounds 2012-Present

Epic Steering Committee 2013-Present

Equipment Committee 2011-Present

Previous Departmental Activities

Consultant in Pain Management: Pacific Health Care Services 1993-1997

Guest reviewer: Anesthesia and Analgesia 1989-1991

Medical Missions

Columbia-Armenian Church mission during war Yerevan, Armenia January 1993

New Orleans, Louisiana after Hurricane Katrina New Orleans, LA December 2005

Health Talents International Guatemala June 2009

Predisan, Catacamas, Honduras Honduras October 2009

Predisan, Catacamas, Honduras Honduras October 2010

Predisan, Catacamas, Honduras Honduras October 2011

Predisan, Catacamas, Honduras Honduras October 2012

Past Committees

Mt. Sinai Hospital Quality Assurance 2000-2003

Other Activities:

Vice President, Society of Regents, Cathedral of St. John the Divine 2010-present

Usher, Cathedral of St. John the Divine 2008-present

Constitutional committee chairman of Miramar Ski Club 2003-present

Reagent, Cathedral of St. John the Divine 2002-present

Volunteer, New York Historical Society 2003-present

Member of Laymen’s Club of Cathedral of St. John the Divine 2009-present

Corresponding Secretary of Miramar Ski Club 2001-2009

Captain, Central Park Skate Patrol 1996-2003

Certified Inline Skate Instructor, Level 1 1997-2003 Sponsorship Director of Empire Speed and Empire Skate Clubs 1998-1999

Vice President, Empire Skate Club 1998-1999

Board of Director, Central Park Skate Patrol 1996-1999

Publications:

1. Burstein S, Hunter SA, Sedor C and Shulman SM. Elevation of prostaglandin E by delta-1-tetrahydrocannabinol in WI-38 Fibroblasts. Biochem Pharmacol 31:2361-2365, 1982

2. Shulman SM and Cuadros CL. How to use a computerized database for ward Management. Resident and Staff Physician 33:101-104, 1987.

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Publications ( cont):

3. Peng ATC, Shamsi HH, Blancato LS, Shulman SM, Chervenak FA and Castro JL. Euglycemic hydration prior to epidural block for cesarean section. Regional Anesthesia 12:184-187, 1988.

4. Shulman SM and Gorman RS. A simple technique to eliminate needlestick injuries. Anesthesiology 68:817-818, 1988.

1. Peng ATC, Gorman RS, Shulman SM, Demarchis E, Nyunt K and Blancato LS. Intravenous nitroglycerin for uterine relaxation in the postpartum patient with retained placenta. Anesthesiology 71:172-173, 1989.
2. Shulman SM, Peng ATC, Blancato LS, Cutrone F and Nyunt K. Epidural ketamine and local anesthetic combinations for anesthesia and analgesia. in Status of Ketamine in Anesthesiology. pp. 395-402, EF Domino, ed., 1990, NPP Press, Ann Arbor, Michigan.

7. Cozine K, Stone JG, Shulman SM and Flaster E. Ventilatory complication in carbon dioxide laryngeal laser surgery. Journal of Clinical Anesthesia 3:20-25, 1991

8. Shulman SM. Viral Hepatitis. Anesthesiology Reports 2:291-298, 1990, C.V. Mosby, Inc., New York

1. Shulman SM and Polepalle S. Spinal Anesthesia for a Deaf-Mute undergoing Prostate Surgery. Anesthesiology 78:590-591, 1993.

10. Shulman SM, Chuter T and Weissman C. Dynamic respiratory patterns after laparoscopic cholecystectomy. Chest 103: 1173-1177, 1993.

11. Shulman, SM. What does it mean to be in Pain? Journal of Pain and Symptom Management 8:242-244, 1993.

12. Jordan D, Shulman SM, and Miller ED. Esmolol hydrochloride, sodium nitroprusside and isoflurane differ in their ability to alter peripheral sympathetic responses. Anesth Analg 77:281-90, 1993

13. Shelley KH, Dickstein M and Shulman SM. The detection of peripheral venous pulsation using the pulse oximeter as a plethysmograph. J Clin Monit. 9:283-7, 1993

14. Lindheim SR, Kavic S, Shulman SM and Sauer MV. Operative Hysteroscopy in the office setting. J Amer Assoc Gynecol Laparoscopists7:65-69, 2000.

15. Shulman S, Yasyulyanets Y and Kloser P. Intraoperative Diagnosis and Use of Glidescopetm Video Laryngoscope for Cephalic Tetanus. Open Journal of Anesthesiology. 3:28-32, 2013

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Abstracts

1. Shulman SM\* and Shahnarian A. The use of a microcomputer for clinical monitoring of somatosensory evoked potentials. Presented at Computers in Medicine, Heidelberg, Ger. June 1984.

2. Peng ATC, Shulman SM\*, Nyunt K, Kepes IJ and Blancato LS. Combined interosseous tibial nerve and common peroneal nerve blocks for foot surgery: a clinical report correlated with radiographic and cadaveric studies. Presented at the American Society of Regional Anesthesia Meeting, Mar. 1987 in Orlando, Fl.

3. Peng ATC, Shulman SM\*, Blancato LS, Nyunt K, and Kepes IJ. Epidural ketamine and bupivacaine versus epidural bupivacaine for postcesarean pain: a double blind study. Presented at the Southern Society of Anesthesia Meeting, Apr. 1987 in Orlando, Fl.

4. Peng ATC, Shulman SM\*, Blancato LS, Cutrone F, Nyunt K, Shamsi HH and Bamberger PD. Epidural ketamine and lidocaine versus epidural lidocaine for caesarean anesthesia: a double blind study. Presented at the Society of Obstetrical Anesthesia and Perinatology Meeting, May 1987 in Halifax, Nova Scotia.

5. Peng ATC, Shulman SM\*, Blancato LS, Cutrone F and Nyunt K. Epidural ketamine and lidocaine versus epidural lidocaine for caesarean anesthesia: a double blind study. Presented at the New York Academy of Medicine: The Anesthesia section, June 1987 New York, NY

6. Peng ATC, Shulman SM\*, Blancato LS, Cutrone F and Nyunt K. Epidural ketamine and lidocaine versus epidural lidocaine for caesarean anesthesia: a double blind study. Presented at the American Society of Anesthesiology Meeting, Oct. 1987 in Atlanta, GA.

1. Peng ATC, Shulman SM\*, Nyunt K, Kepes IJ and Blancato LS. Combined interosseous tibial nerve and common peroneal nerve blocks for foot surgery: a clinical report correlated with radiographic and cadaveric studies. Presented at the American Society of Anesthesiology Meeting, Oct. 1987 in Atlanta, GA.

8. Peng ATC, Shulman SM\*, Cutrone F and Nyunt K. Epidural ketamine and bupivacaine for analgesia during labor: a double blind study. Presented at the World Congress of Anesthesiologists Meeting, May 1988 in Washington, DC.

9. Shulman SM\*, Peng ATC, Donenfeld RF and Gallozzi E. Postpartum Neonatal Pulse oximetry. Presented at the World Congress of Anesthesiologists Meeting, May 1988 in Washington, DC.

10. Shulman SM\*, Peng ATC, Blancato LS, Cutrone F, and Nyunt K. Studies with Epidural ketamine and local anesthetic combinations for Obstetrical anesthesia and analgesia. Presented at the in Status of Ketamine symposium. June 1989 in Ann Arbor, Michigan.

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Abstracts (cont.)

11. Shulman SM\*, Rosner H and Brand L. The margin of safety of midaxillary intercostal nerve blocks. Presented at the American Society of Anesthesiology Meeting, Oct. 1989 in New Orleans, LA.

12. Shulman SM\*, Rosner H and Brand L. Utility of intrapleural catheter for aspiration of pneumothorax. Presented at the American Society of Anesthesiology Meeting, Oct. 1989 in New Orleans, LA.

13. Jordan DA\*, Shulman SM, and Miller ED. Esmolol hydrochloride, sodium nitroprusside, and isoflurane differ in their ability to alter peripheral sympathetic responses. Presented at the American Society of Anesthesiology Meeting, Oct. 1989 in New Orleans, LA.

14. Cozine K\*, Stone JG, Shulman SM and Flaster E. Ventilatory complication in carbon dioxide laryngeal laser surgery. Presented at the American Society of Anesthesiology Meeting, Oct. 1989 in New Orleans, LA.

15. Shulman SM\*, Chuter T and Weissman C. Dynamic respiratory patterns after laparoscopic cholecystectomy. Presented at the American Society of Anesthesiologists meeting, October 1991 in San Francisco, CA.

16. Shulman SM\*, Sultan M, Rosenberg M. PCA Use and Pain scores are lower after free flaps than pedicle flaps for breast reconstruction. Presented at the American Society of Anesthesiologists meeting, October 1994 in San Francisco, CA.

17. Brown G\*, Shulman SM, and Weissman C. Dynamic respiratory patterns after vaginal delivery. Presented at the American Society of Anesthesiologists meeting, October 1994 in San Francisco, CA.

18. Sultan MR\*, Shulman SM, Rosenberg M. Pedicled and Free tram flaps: differences in postoperative pain. Presented at the American Association of Plastic Surgeons Annual Meeting, May 1995 in San Diego, CA.

19. Goldstein S\*, Kelleher JD, Shulman SM\*, Kagan M, Mamdani F. Pilot Study of the Multiple Coagulation Test System. Presented at the American Society of Anesthesiologists Meeting, October 2012 in Washington DC.

20. Shah J\*, Eloy JD, Shulman SM The Effect of Gabapentin on Postoperative Orthopedic Pain and Sleep: A Randomized, Double-Blind, Placebo-Controlled Trial-A preliminary report. FAER presentation at the American Society of Anesthesiologists meeting, October 2012 in Washington DC.

\* Presenter

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Abstracts( cont):

21. Kim J\*, Kaufman A, Shulman SM. "Age not a Factor in Determining Conservative Treatment Modality for Patients with Lumbar Spinal Stenosis, Herniated Nucleus Pulposus, and Degenerative Disc Disease" Presented at the 11th Annual Pain Medicine Meeting. November 2012

22. Kim J\*, Kaufman A, Steven Shulman SM\*. "Age not a Factor in Determining Conservative Treatment Modality for Patients with Lumbar Spinal Stenosis, Herniated Nucleus Pulposus, and Degenerative Disc Disease" Presented at the Postgraduate Assembly, NY 12/15/2012 .

23. Patel A\*, Shulman SM\*. Failure to Detect Carbon Dioxide after Endotracheal Intubation: Pulmonary embolism in Post-caesarean Patient. Medically Challenging Case Report Poster Presented at the Postgraduate Assembly, NY on December 16, 2012

24. Mamdani F\*, Goldstein S\*, Kagan M, Kelleher JD, Castro A, and Shulman S\*. Pilot Study of the Multiple Coagulation Test System. Presented at the Postgraduate Assembly, NY on December 16, 2012

25. Sikka L\*, Chinn L and Shulman S. Pregnant Patient with a Large Anterior Mediastinal Lymphoma. Presented at the Society for Obstetric Anesthesia and Perinatology 45th Annual meeting April 2013, San Juan, Puerto Rico.

26. M Xiong, J Li, HM Alhashem, S Pislakov, S Shulman, JH Ye, A Bekker. Prenatal exposure to propofol induces synaptic loss and long term behavioral deficits in the offspring rats.

 Submitted to American Society of Anesthesiologists Annual meeting October 2013, San Francisco CA .

25. Sikka L\*, Chinn L and Shulman S. Pregnant Patient with a Large Anterior Mediastinal Lymphoma. Submitted to American Society of Anesthesiologists Annual meeting October 2013, San Francisco CA .

26. Sharma S, Cracchiolo B, Kesavan S, Shulman SM, Sifonis A. Reishi Mushroom’s Antiplatelet Like Effects Leads to Unexpected Intraoperative Complications. Submitted to American Society of Anesthesiologists Annual meeting October 2013, San Francisco CA .

\* Presenter

**PI Status**

1. An investigation into transitions of care in the operating room

2. Epidural anesthesia in labor: A retrospective Comparison of the Acceptance of Neuroaxial Analgesia for Hispanic Parturients when the Anesthesia Care provider is Hispanic

**Co-Investigator status**

1. The effect of gabapentin on postoperative orthopedic pain: a randomized, double blind, placebo-controlled trial. (PI: Eloy)

2. Comparison of Dex sedation vs. propofol in vitreoretinal surgery under sun tenon block (PI: Patel)

3. The utility of physical therapy prior to epidural steroid injections in the treatment of chronic lower back pain ( Just closed Kaufman with Jeff Kim)