

ADMIR HADZIC, MD, PhD

CURRICULUM VITAE

Professor of Anesthesiology

Director, NAICE (North American Institute for Continuous Education)

Director, NYSORA (The New York School of Regional Anesthesia)

Consultant, Department of Anesthesiology, Ziekenhuis Oost-Limburg, Genk, Belgium

2753 Broadway STE 183, New York, NY 10025, Phone: (+1) 212-665-1400; admir@nysora.com

PERSONAL DATA

Date of birth: September 18, 1961

Birthplace: Yugoslavia

Citizenship: USA

Marital status: Married to Catherine FM Vandepitte, MD (anesthesiologist)

BOARD CERTIFICATION

Diplomate, American Board of *Anesthesiology*, April, 1996

Diplomate, American Board of *Internal Medicine*, August, 1996

PROFESSIONAL APPOINTMENTS

2015-present *Consultant, Anesthesiology, ZOL, Genk, Belgium*

1996-2014 *Senior Attending Anesthesiologist, St. Luke's & Roosevelt Hospitals, New York, NY*

1999-2001 *Associate Director of Anesthesia, St. Luke's Division*

1996-2010 *Director of Regional Anesthesia St. Luke's-Roosevelt Hospital*

2010-2014 *Vice Chair of Academic Affairs, St. Luke's-Roosevelt Hospital Center*

2006-2014 *Professor of Clinical Anesthesiology, Columbia University College of Physicians and Surgeons, New York, NY 10025*

LICENSURE

State of Connecticut, October, 1992

State of New Jersey, July, 1994

State of New York, August, 1995

Valid FDA/DEA registrations

TRAINEESHIP

Internship: Internal Medicine:

July, 1990 to June 1991

Seton Hall University School of Graduate Medical Education, South Orange, NJ

Residency - Internal Medicine

June, 1992; July/95 to June/96

Seton Hall University School of Graduate Medical Education, South Orange, NJ

July, 1995 to June, 1996

St. Luke's-Roosevelt Hospital Center

College of Physicians and Surgeons, Columbia University, New York, NY 10025

Residency - Anesthesiology

July/92 to June/95

St. Luke's-Roosevelt Hospital Center

College of Physicians and Surgeons, Columbia University, New York, NY 10025

Chief Resident-Anesthesiology

July/94 to June/95

Department of Anesthesiology, St. Luke's-Roosevelt Hospital Center, New York, NY

College of Physicians and Surgeons, Columbia University, New York, NY 10025

Subspecialty fellowship (CA-3)

- ***Cardiac anesthesia:*** 6 months (St. Luke's-Roosevelt Hospital, New York, NY)
- ***Advanced Clinical Track:*** 6 months
- ***Transthoracic Echocardiography Training (Level II)***
Echocardiography Laboratory, Department of Cardiology,
St. Luke's-Roosevelt Hospital Center
College of Physicians and Surgeons, Columbia University, New York, NY 10025

MILITARY SERVICE

1989-1990

Yugoslav National Army

Telecommunications engineering

MEDICAL BOARD EXAMINATIONS

FMGEMS - 1989

FLEX- Pennsylvania, 1990

HOSPITAL AND DEPARTMENTAL COMMITTEES

Director

CREER, Center of Research, Education and Enhanced Recovery After Surgery, ZOL,

Genk, Belgium,

2015-present

Vice Chair of Academic Affairs

Dept of Anesthesiology, St. Luke's-Roosevelt Hospitals

New York, NY

2010-2014

Chair, Research Committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center

2001-2004

Educational committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center

1996-2000

Resident Evaluation Committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center

Research Committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center,
1996-2001

Research Committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center,
Chair 2001

Quality Assurance Committee

Dept of Anesthesia, St. Luke's-Roosevelt Hospital Center
1999-

Operating Room Committee

St. Luke's-Roosevelt Hospital Center
1999-2001

Equipment Committee

St. Luke's-Roosevelt Hospital Center
1999-present

Corporate Operating Room Committee

St. Luke's-Roosevelt Hospital Center
1999-2001

ACADEMIC APPOINTMENTS

Professor of Clinical Anesthesiology

College of Physicians and Surgeons, Columbia University,
New York, NY 10025 (2006-2014)

Visiting Professor

Katholieke Universiteit (KUL) Leuven, Dienst Anesthesie
Belgium (2011 – present)

Honorary Professor

Medical Faculty in Ljubljana,
Slovenia (2014 - present)

Doctor Honoris Causa of Alma Matris,

Karol Marcinkowski University of Medical Sciences in Poznan,
Poland, 2016

EDUCATION

Medical School

University of Sarajevo, Yugoslavia
1980-1986

Degree: **Medical Doctor**

Postgraduate Studies

Sept/87-May/90

Postgraduate Studies: Medical School, University of Sarajevo, Yugoslavia

Degree: **Master of Science**, 1990.

Doctorate: Karol Marcinowski University of Medical Sciences, Poznań, Poland, 1996-1999

Degree: **Ph.D., Anesthesiology**, January, 1999.

Thesis: *Functional Anatomy for Regional Anesthesia*

SCIENTIFIC MEETINGS PROGRAM CHAIR

- **ASA Annual Meeting Refresher Course Lecturer 2004-2016**
- **Program Chair:** American Society of Regional Anesthesia, Annual meeting, Palm Springs, California, March 2006.
- **Program Chair:** New York School of Regional Anesthesia Annual Symposia 2002-2014; New York, NY.
- **Program Chair:** NYSORA-Asia, an outreach educational program on Regional Anesthesia and Perioperative Medicine in Developing Countries in Asia, 2007-2012 (Past NYSORA-Asia outreach educational missions were in Kuala Lumpur, Malaysia (March, 2009), Bangkok, Thailand (March, 2010), Bangaluru, India (March, 2011), Ho-Chi_Minh City (March 2012), Manilla Philippines (March 2013), Katmandu, Nepal (February 2014), Kuala Lumpur (March 2014)
- **Program Chair:** NYSORA Pan-European Symposium on Regional Anesthesia and Acute Pain Management. 2006-2009, London, England.
- **Program Chair:** NWAC – Networking World Anesthesia Convention, a Global Anesthesia Networking Annual Event with a strong philanthropic educational component (immediate past NWAC Conventions were Dubai, UAE (March, 2010), Rome, Italy (April, 2011), April 24-28, 2012, Istanbul, Turkey), April 2013 Bangkok, Thailand, May 2014 Vienna, Austria.

PROFESSIONAL ASSOCIATIONS

- American Society of Anesthesiologists, member (1992-present)
- Association of University Anesthesiologists (2004-present)
- Committee on Regional Anesthesia, American Society of Anesthesiologists, Adjunct Member (2003-present)
- Educational Committee, American Society for Regional Anesthesia (2003-present)
- American College of Physicians, member (1996-present)
- New York State Society of Anesthesiologists, member (1996-present)
- Society of Cardio-Vascular Anesthesiologists, member (1995-1999)
- Society of Critical Care Medicine, member (1996-1999)
- American Medical Association (1996-present)
- Society for Ambulatory Anesthesia (1996-present)
- American Society for Regional Anesthesia (1994-present)
- Resident- delegate, ASA New Orleans, La, (1993)
- Resident - delegate NYSSA, New York, NY, (1993)
- New York School of Regional Anesthesia, President and founder (1996-present)
- NWAC (Networking World Anesthesia Convention), President and Founder, (2009-present)

HONORS/AWARDS

- ***Gaston Labat Award,***
Awarded by *American Society of Regional Anesthesia and Pain Medicine (ASRA)* to an individual for his or her outstanding contributions to the development, teaching and practice of regional anesthesia and acute pain medicine. Boston, MA *May 3, 2013.*
- Inducted in Marquis Who's Who for the 2019 Edition, which is comprised of the top 3% of the professionals in the world.
- ***New York Times “Super Doctors”***
Voted by peers as New York City *Top Doctor* 5 years in a row –2011-2019.

- **Award for European Society of Regional Anesthesia (ESRA) B. Braun Award for Excellence in Global Education in the field of Regional Anesthesia.**
European Society of Regional Anesthesia, September 7, 2012
- **American Society of Regional Anesthesia (ASRA) Research Award,**
Annual Meeting, Orlando, FL 2004
- **American Society of Regional Anesthesia (ASRA) Residents Research Award,** Society for Ambulatory Anesthesia (SAMBA), Annual Meeting, Seattle, WA, April 29-May 1, 2004.
- **New York State Society of Anesthesiologists (NYSSA) Award for the Best Scientific Exhibition for Clinical Applications,**
51st Postgraduate Assembly Annual Meeting (PGA), December 14-17, 1997, New York, NY.
- **New York State Society of Anesthesiologists (NYSSA) Special Award for Scientific Exhibition**
50th Postgraduate Assembly Annual Meeting (PGA), December 7-10, 1996, New York, NY.
- **Society for Ambulatory Anesthesia (SAMBA) -Travel Award Society for Ambulatory Anesthesia**
Annual Meeting Orlando, FL, May 1997.
- **Society for Ambulatory Anesthesia (SAMBA) -Travel Award Society for Ambulatory Anesthesia**
Annual Meeting Boston, Ma, May 1996
- **Society for Ambulatory Anesthesia (SAMBA) -Travel Award Society for Ambulatory Anesthesia**
Annual Meeting Palm Springs, Ca, April 1995.
- **Anesthesiology News 1994 Cost effectiveness Award**
- **Postgraduate Research Award**
Seton Hall University School of Graduate Medical Education, South Orange, NJ, May, 1992
- **New York State Society of Anesthesiologists Special Award for Scientific Exhibition**
50th Postgraduate Assembly Annual Meeting (PGA), December 7-10, 1996, New York, NY.
- **American Society of Anesthesiologists (ASA) Exceptional Merit Award for Scientific and Educational Exhibit**
presented at the 1998 ASA meeting, Orlando, FL.
- **"Hasan Brkić" Award for top academic performance in Medical School**
1984
- **"Ognjen Prica" Award for top academic performance in High School**
1976.

PUBLICATIONS

A. ORIGINAL, PEER REVIEWED ARTICLES

1. Greengrass RA, Narouze S, Bendtsen TF, **Hadzic A.** *Cervical plexus and greater occipital nerve blocks: controversies and technique update.* Reg Anesth Pain Med. 2019 Jun;44(6):623-626.
2. Vermeylen K, Desmet M, Leunen I, Soetens F, Neyrinck A, Carens D, Caerts B, Seynaeve P, **Hadzic A,** Van de Velde M. *Supra-inguinal, injection for fascia iliaca compartment block results in more consistent spread towards the lumbar plexus than an infra-inguinal injection: a volunteer study.* Reg Anesth Pain Med. 2019 Feb 22.

3. Zel J, **Hadzic A**, Cvetko E, Seliskar A, Damjanovska M, Kuroda MM, Sega Jazbec S, Stopar Pintaric T. *Neurological and histological outcomes after subarachnoid injection of a liposomal bupivacaine suspension in pigs: a pilot study*. Br J Anaesth. 2019 Mar;122(3):379-387.
4. Gautier N, Danklou J, Brichant JF, Lopez AM, Vandepitte C, Kuroda MM, **Hadzic A**, Gautier PE. *The effect of force applied to the left paratracheal oesophagus on air entry into the gastric antrum during positive-pressure ventilation using a facemask*. Anaesthesia. 2019 Jan;74(1):22-28.
5. Vermeylen K, Soetens F, Leunen I, **Hadzic A**, Van Boxtael S, Pomés J, Prats-Galino A, Van de Velde M, Neyrinck A, Sala-Blanch X. *The effect of the volume of supra-inguinal injected solution on the spread of the injectate under the fascia iliaca: a preliminary study*. J Anesth. 2018 Dec;32(6):908-913.
6. Balocco AL, Van Zundert PGE, Gan SS, Gan TJ, **Hadzic A**. *Extended release bupivacaine formulations for postoperative analgesia: an update*. Curr Opin Anaesthesiol. 2018 Oct;31(5):636-642.
7. Neal JM, Barrington MJ, Brull R, **Hadzic A**, Hebl JR, Horlocker TT, Kopp SL, Rathmell JP, Suresh S, Watson JC. *Asleep Versus Awake and Standard of Care*. Reg Anesth Pain Med. 2017 Sep/Oct;42(5):681-682.
8. Malenica M, Prnjavorac B, Bego T, Dujic T, Semiz S, Skrbo S, Gusic A, **Hadzic A**, Causevic A. *Effect of Cigarette Smoking on Haematological Parameters in Healthy Population*. Med Arch. 2017 Apr;71(2):132-136.
9. Vandepitte C, Kuroda M, van Boxtael S, **Hadzic A**. *"Don't Throw the Baby Out With the Bath Water: " A Reply to Dr. Onwochei et al*. Reg Anesth Pain Med. 2017 Jul/Aug;42(4):546-547.
10. Morland C, Andersson KA, Haugen ØP, **Hadzic A**, Kleppa L, Gille A, Rinholm JE, Palibrk V, Diget EH, Kennedy LH, Stølen T, Hennestad E, Moldestad O, Cai Y, Puchades M, Offermanns S, Vervaeke K, Bjørås M, Wisløff U, Storm-Mathisen J, Bergersen LH. *Exercise induces cerebral VEGF and angiogenesis via the lactate receptor HCARI*. Nat Commun. 2017 May 23.
11. Vandepitte C, Kuroda M, Witvrouw R, Anne L, Bellemans J, Corten K, Vaneldereren P, Mesotten D, Leunen I, Heylen M, Van Boxtael S, Golebiewski M, Van de Velde M, Knezevic NN, **Hadzic A**. *Addition of Liposome Bupivacaine to Bupivacaine HCl Versus Bupivacaine HCl Alone for Interscalene Brachial Plexus Block in Patients Having Major Shoulder Surgery*. Reg Anesth Pain Med. 2017 May/June;42(3):334-341.
12. Vermeylen K, Hermans M, Soetens F, Vereecke E, Steinfeldt T, Groen G, **Hadzic A**, Van de Velde M. *Opening Injection Pressure Is Higher in Intraneural Compared With Perineural Injections During Simulated Nerve Blocks of the Lower Limb in Fresh Human Cadavers*. Reg Anesth Pain Med. 2017 Jan 13
13. Goffin P, Lecoq JP, Ninane V, Brichant JF, Sala-Blanch X, Gautier PE, Bonnet P, Carlier A, **Hadzic A**. *Interfascial Spread of Injectate After Adductor Canal Injection in Fresh Human Cadavers*. Anesth Analg. 2016 Aug;123(2):501-3
14. **Hadzic A**, Vandepitte C, Salti A, Boons J, Vlassakov K, Clark T. *Ultrasound Evaluation of Focal Neuropathies: Correlation with Electrodiagnosis*. Anesthesiology. 2016 Jun;124(6):1420
15. **Hadzic A**, Minkowitz HS, Melson TI, Berkowitz R, Uskova A, Ringold F, Lookabaugh J, Ilfeld BM. *Liposome Bupivacaine Femoral Nerve Block for Postsurgical Analgesia after Total Knee Arthroplasty*. Anesthesiology. 2016 Jun;124(6):1372-83.
16. **Hadzic A**, Abikhaled JA, Harmon WJ. *Impact of volume expansion on the efficacy and pharmacokinetics of liposome bupivacaine*. Local Reg Anesth. 2015 Dec 7;8:105-11
17. Gautier PE, **Hadzic A**, Lecoq JP, Brichant JF, Kuroda MM, Vandepitte C. *Distribution of Injectate and Sensory-Motor Blockade After Adductor Canal Block*. Anesth Analg. 2016 122(1):279-82.

18. Damjanovska M, Cvetko E, **Hadzic A**, Seliskar A, Plavec T, Mis K, Vuckovic Hasanbegovic I, Stopar Pintaric T. *Neurotoxicity of perineural vs intraneural-extraneural injection of liposomal bupivacaine in the porcine model of sciatic nerve block*. *Anaesthesia*. 2015 Dec;70(12):1418-26.
19. Gautier P, Vandepitte C, Schaub I, Fourneau K, Kuroda MM, De Merlier Y, **Hadzic A**. *The Disposition of Radiocontrast in the Interscalene Space in Healthy Volunteers*. *Anesth Analg*. 2015 May;120(5):1138-41.
20. Lopez AM, Sala-Blanch X, Castillo R, **Hadzic A**. *Ultrasound guided injection inside the common sheath of the sciatic nerve at division level has a higher success rate than an injection outside the sheath*. *Rev Esp Anesthesiol Reanim*. 2014 Jun-Jul;61(6):304-10.
21. Damjanovska M, Cvetko E, **Hadzic A**, Seliskar A, Plavec T, Mis K, Vuckovic Hasanbegovic I, Stopar Pintaric T. *Neurotoxicity of perineural vs intraneural-extraneural injection of liposomal bupivacaine in the porcine model of sciatic nerve block*. *Anaesthesia*. 2015 Sep 4.
22. Neal JM, Barrington MJ, Brull R, **Hadzic A**, Hebl JR, Horlocker TT, Huntoon MA, Kopp SL, Rathmell JP, Watson JC. *The Second ASRA Practice Advisory on Neurologic Complications Associated With Regional Anesthesia and Pain Medicine: Executive Summary 2015*. *Reg Anesth Pain Med*. 2015 Sep-Oct;40(5):401-30.
23. Ilfeld BM, Viscusi ER, **Hadzic A**, Minkowitz HS, Morren MD, Lookabaugh J, Joshi GP. *Reg Anesth Pain Med. Safety and Side Effect Profile of Liposome Bupivacaine (Exparel) in Peripheral Nerve Blocks*. *Regional Anesthesia and Pain Medicine* 2015 Sep-Oct;40(5):572-82.
24. Gautier P, Vandepitte C, Schaub I, Fourneau K, Kuroda MM, De Merlier Y, **Hadzic A**. *The Disposition of Radiocontrast in the Interscalene Space in Healthy Volunteers*. *Anesth Analg*. 2015 120(5):1138-41
25. Brull R, **Hadzic A**, Reina MA, Barrington MJ. *Pathophysiology and Etiology of Nerve Injury Following Peripheral Nerve Blockade*. *Reg Anesth Pain Med*. 2015 Sep-Oct;40(5):479-90
26. Karmakar MK, Li JW, Kwok WH, **Hadzic A**. *Ultrasound-Guided Lumbar Plexus Block Using a Transverse Scan Through the Lumbar Intertransverse Space: A Prospective Case Series*. *Reg Anesth Pain Med*. 2015; 40:75-81
27. Hadzic A, Sadeghi N, Vandepitte C, Vandepitte W, Van de Velde M, **Hadzic A**, Van Robays J, Heylen R, Herijgers P, Vloka C, Zundert JV. *500th birthday of Andreas Vesalius, the founder of modern anatomy: "vivitur ingenio, caetera mortis erunt" ("genius lives on, all else is mortal")*. *Reg Anesth Pain Med*. 2014 Nov-Dec;39(6):450-5
28. Steinfeldt T, Wiesmann T, Nimphius W, Cornelius V, Eismann D, Kratz T, **Hadzic A**, Wulf H, Werner T. *Perineural Hematoma May Result in Nerve Inflammation and Myelin Damage*. *Reg Anesth Pain Med*. 2014, 39:513-9
29. Pintaric TS, Cvetko E, Strbenc M, Mis K, Podpecan O, Mars T, **Hadzic A**. *Intraneural and Perineural Inflammatory Changes in Piglets After Injection of Ultrasound Gel, Endotoxin, 0.9% NaCl, or Needle Insertion without Injection*. *Anesth Analg*. 2014;118:869-73.
30. Lopez AM, Sala-Blanch X, Castillo R, Hadzic A. *Ultrasound guided injection inside the common sheath of the sciatic nerve at the level of division results in higher success rate than circumferential injection outside the sheath*. *Rev Esp Anesthesiol Reanim*. 2014 Jun-Jul;61(6):304-10.
31. Ruiz A, Sala-Blanch X, Martinez-Ocón J, Carretero MJ, Sánchez-Etayo G, **Hadzic A**. *Incidence of intraneural needle insertion in ultrasound-guided femoral nerve block: A comparison between the out-of-plane versus the in-plane approaches*. *Rev Esp Anesthesiol Reanim*. 2014; 61: 73-7
32. Wiesmann T, Borntäger A, Vassiliou T, **Hadzic A**, Wulf H, Mülle, Hans-Helge, Steinfeldt T. *Minimal Current Intensity to Elicit an Evoked Motor Response Cannot Discern Between Needle-Nerve Contact and Intraneural Needle Insertion*. *Anesth Analg*, 2014;118:681-6
33. Wassef M, Lee DY, Levine JL, Ross RE, Guend H, Vandepitte C, **Hadzic A**, Teixeira J. *Feasibility and analgesic efficacy of the transversus abdominis plane block after single-port laparoscopy in patients having bariatric surgery*. *Journal of Pain Research*, 2013; 27:837-41.

34. Stopar-Pintaric T, Cvetko E, Strbenc M, Mis K, Podpecan O, **Hadzic A**. Intraneural and Perineural Inflammatory Changes in Piglets After Injection of Ultrasound Gel, Endotoxin, 0.9% NaCl or Needle Insertion Without Injection. In press, *Anesthesia & Analgesia*, 2013.
35. Salviz EA, **Hadzic A**, Shariat A, Chen JP, Hobeika P. Quality of life after ambulatory rotator cuff surgery: Single injection versus Continuous Interscalene block versus General Anesthesia. A double-blinded, prospective study. *Anesth Analg*, 2013;117(6):1485-92
36. Vandepitte C., Gautier P., Bellen P., **Hadzic A**. Multiple level ultrasound guided intercostal nerve blocks for thoracic wall surgery in a patient with Duchene muscular dystrophy. In press, *Acta Belgica Anaesthesiologica*, 2013
37. Shariat AN, **Hadzic A**, Xu D, Shastri U, Kwofie K, Gandhi K, McCally CM, Gratenstein K, Vandepitte C, Gadsden J, Unis D. Fascia Iliaca Block for Analgesia After Hip Arthroplasty: A Randomized Double-blind, Placebo-controlled Trial. *Reg Anesth Pain Med*. 2013; 38:201-205.
38. Stopar Pintaric T, **Hadzic A**, Strbenc M, Podpecan O, Podbregar M, Cvetko E. Inflammatory response after injection of aqueous gel into subarachnoid space in piglets. *Reg Anesth Pain Med*. 2013; 38:100-5.
39. Vandepitte C, Gautier P, Xu D, Salviz EA, **Hadzic A**. Effective Volume of Ropivacaine 0.75% Through a Catheter Required for Interscalene Brachial Plexus Blockade. *Anesthesiology*. 2013; 118:863-7.
40. Hu D, Onel E, Singla N, Kramer WG, **Hadzic A**. Pharmacokinetic profile of liposome bupivacaine injection following a single administration at the surgical site. *Clin Drug Investig*. 2013; 33:109
41. -15.Murata H, Salviz EA, Chen S, Vandepitte C, **Hadzic A**. Ultrasound-Guided Continuous Thoracic Paravertebral Block for Outpatient Acute Pain Management of Multilevel Unilateral Rib Fractures. *Anesth Analg*. 2013; 116:255-7.
42. Karmakar MK, Li X, Li J, **Hadzic A**. Volumetric three-dimensional ultrasound imaging of the anatomy relevant for thoracic paravertebral block. *Anesth Analg*. 2012; 115:1246-50.
43. Gadsden J, Shariat A, **Hadzic A**, Xu D, Patel V, Maliakal T. The Sequence of Administration of 1.5% Mepivacaine and 0.5% Bupivacaine Does Not Affect Latency of Block Onset or Duration of Analgesia in Ultrasound-Guided Interscalene Block. *Anesth Analg*. 2012; 115:963-7
44. Murata H, Sakai A, **Hadzic A**, Sumikawa K. The Presence of Transverse Cervical and Dorsal Scapular Arteries at Three Ultrasound Probe Positions Commonly Used in Supraclavicular Brachial Plexus Blockade. *Anesth Analg*. 2012; 115(2):470-3
45. Karmakar MK, Li X, Li J, **Hadzic A**. Technical communication: volumetric three-dimensional ultrasound imaging of the anatomy relevant for thoracic paravertebral block. *Anesth Analg*. 2012; 115:1246-50.
46. Stopar-Pintaric T, **Hadzic A**. Electron microscopic imaging of endothoracic fascia in thoracic paraverebral space in rats. *Reg Anesth Pain Med*. 2011; 36:256-60
47. Gandhi K, Lindenmuth DM, **Hadzic A**, Xu D, Thomas J, Gadsden J. The effect of stimulating versus conventional perineural catheters on postoperative analgesia following ultrasound-guided femoral nerve localization. *J Clin Anesth*. 2011; 23:626-31.
48. Sala-Blanch X, Vandepitte C, Laur JJ, Horan P, Xu D, Reina MA, Karmakar MK, Clark TB, **Hadzic A**. A practical review of perineural versus intraneural injections: A call for standard nomenclature. *Int Anesthesiol Clin*. 2011;49:1-12.
49. Sala-Blanch X, Lopez AM, Pomes J, Valls-Sole J, Garcia Al, **Hadzic A**. No clinical or electrophysiological evidence of nerve injury after intraneural injections during sciatic popliteal block. *Anesthesiology* 2011; 115:589-95.
50. Pintaric TS, Potocnik I, **Hadzic A**, Stupnik T, Pintaric M, Jankovic VN. Comparison of continuous thoracic epidural with paravertebral block on perioperative analgesia and

- hemodynamic stability in patients having open lung surgery. *Reg Anesth Pain Med*. 2011; 36:256-60.
51. Gautier P, Vandepitte C, Ramquet C, DeCoopman, Xu D, **Hadzic A**. The minimum effective anesthetic volume of 0.75% ropivacaine in ultrasound-guided interscalene brachial plexus block. *Anesth Analg*, 2011;113:951-5.
 52. Singla NK, Singla SK, Chung F, Kutsogiannis DJ, Blackburn L, Lane SR, Levin J, Johnson B, Pergolizzi JV Jr. Phase II study to evaluate the safety and efficacy of the oral neurokinin-1 receptor antagonist casopitant (GW679769) administered with ondansetron for the prevention of postoperative and postdischarge nausea and vomiting in high-risk patients. *Anesthesiology*. 2010; 113:74-82. Primary Investigator at SLR research site.
 53. Gadsden J, **Hadzic**. Effect of mixing 1.5% mepivacaine and 0.5% bupivacaine on duration of analgesia and latency of block onset in ultrasound-guided interscalene block. Accepted for publication in *Anesthesia and Analgesia*, 2010.
 54. Robards C, **Hadzic A**, Somasundaram L, Iwata T, Gadsden J, Xu D, Sala-Blanch X. Intra-neural injection with low-current stimulation during popliteal sciatic nerve block. *Anesth Analg*. 2009; 109:673-7.
 55. Sala Blanch X, Ribalta T, Rivas E, Carrera A, Gaspa A, Reina MA, **Hadzic A**. Structural Injury to the Human Sciatic Nerve After Intra-neural Needle Insertion. *Reg Anesth Pain Med* 2009; 34:201-205.
 56. Sala Blanch X, López AM, Carazo J, **Hadzic A**, Carrera A, Pomés J, Valls-Solé J. Intra-neural injection during nerve stimulator-guided sciatic nerve block at the popliteal fossa. *Br J Anaesth*. 2009; 102:855-61.
 57. Gadsden JC, Tsai T, Iwata T, Somasundaram L, Robards C, **Hadzic A**. Low interscalene block provides reliable anesthesia for surgery at or about the elbow. *J Clin Anesth*. 2009; 21:98-102.
 58. Gadsden JC, Lindenmuth DM, **Hadzic A**, Xu D, Somasundaram L, Flisinski KA. Lumbar plexus block using high-pressure injection leads to contralateral and epidural spread. *Anesthesiology*. 2008; 109:683-8.
 59. Tsai TP, Vuckovic I, Dilberovic F, Obhodzas M, Kapur E, Divanovic KA, **Hadzic A**. Intensity of the stimulating current may not be a reliable indicator of intra-neural needle placement. *Reg Anesth Pain Med*. 2008; 33:207-10.
 60. Kapur E, Dilberovic F, Zaciragic A, Cosovic E, Vuckovic I, Divanovic K-A, Mornjakovic Z, Babic M, Borgeat A, Thys DM, **Hadzic A**. Neurologic and histologic outcome after intra-neural injections of lidocaine in canine sciatic nerves. *Acta Anaesthesiologica Scandinavica* 2007; 51:101-107
 61. **Hadzic A**, Kerimoglu B, Loreio D, Karaca PE, Claudio RE, Yufa M, Wedderburn R, Santos AC, Thys DM. Paravertebral blocks provide superior same-day recovery over general anesthesia for patients undergoing inguinal hernia repair. *Anesth Analg* 2006;102: 1076-1081. This article is accompanied by an editorial (*Anesth Analg* 2006; 102:1073-1075)
 62. **Hadzic A**, Karaca PE, Hobeika P, Unis G, Dermksian J, Yufa M, Claudio R, Vloka JD, Santos AC, Thys DM. Peripheral nerve blocks result in superior recovery profile compared with general anesthesia in outpatient knee arthroscopy. *Anesth Analg*. 2005; 100(4):976-81.
 63. Gerancher JC, Viscousi ER, Ligouri GA, McCartney CJ, Williams BA, Ilfeld BM, Grant SA, Hebl JR, **Hadzic A**. Development of a standardized peripheral nerve block procedure form. *Reg Anesth Pain Med* 2005; 30:67-71.

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94. **Hadžić A,** Vloka, JD. Peripheral Nerve Blocks for Outpatient Surgery. *ASRA Newsletter*, May 2000, pp 2-5.
95. Vloka JD, **Hadžić A.** Peripheral Nerve Block for Ambulatory Lower Extremity Surgery. *Current Science*, April 2000.
96. Vloka JD, **Hadžić A,** Drobnik L. Nerve blocks in the pregnant patient. In Textbook of Obstetric Anesthesia. Edited by Birnbach D, Gatt PS, Data S. Churchill Livingstone, Philadelphia PA, 2000, pp 693-706.
97. Vloka JD, **Hadžić A.** Popliteal Block. Lateral Approach. In: Peripheral Nerve Blocks: A color Atlas. Edited by Chelly JE. Lippincot Williams & Wilkins, Philadelphia, PA, 1999, pp 85-87.
98. Vloka JD, **Hadžić A.** Obturator and Genitofemoral nerve Blocks. *Techniques In Regional Anesthesia and Pain Management*, 1999:3(1); 28-32.

99. **Hadžić A**, Thys MD. Transesophageal Echocardiography and its clinical use. *Current Opinion in Anaesthesiology*, 1996; 9:27-35.

C. TEXTBOOKS

- **Hadžić's Textbook of Regional Anesthesia and Acute Pain Management, 2nd Edition.**
McGrawHill, New York, NY 2017. ISBN 978-0071717595
- **Atlas of Anatomy for Regional Anesthesia and Pain Medicine. Human Structure, Ultrastructure and 3D Reconstruction Images.**
Editors: José Antonio De Andrés, **Admir Hadžić**, Alberto Prats-Galino, Xavier Sala-Blanch, André A.J. van Zundert. Springer, New York NY 2015.
- **Hadžić A, Vloka J. Peripheral Nerve Blocks: Principles and Practice.**
McGrawHill, New York, NY, 2003. (Also translated Spanish, Italian, Chinese and Polish; ISBN 0-07-140918-1).
- **Hadžić A, editor, Textbook of Regional Anesthesia and Acute Pain Management.**
McGrawHill, New York, NY 2007. (Translated in Spanish, Chinese, Italian, Turkish, Polish, Portuguese); ISBN-13 978-0-07-144006-9)
- **Hadžić's Peripheral Nerve Blocks and Anatomy for Ultrasound-Guided Regional Anesthesia, 2nd Ed.**
McGrawHill, New York, NY, 2012. (Translated in Spanish, Chinese, Italian, Turkish, Polish, Portuguese; ISBN 978-0071449069)

D. EDUCATIONAL MATERIAL

- Gebhard R, Urmey W, and **Hadžić A**. Guidelines for "Dual Guidance:" The Combined Use of Ultrasound and Nerve Stimulation. The educational guide for clinicians introduced at the 2008 Annual Meeting of the American Society of Anesthesiologists (ASA), Oct. 19-21 in Orlando.
- **Hadžić A**, DeLeon Oscar, Vloka JD, Steele S, Greengrass R. Success with Regional Blocks for Surgery: Lower Extremity Blocks. An educational monograph and a CD-ROOM distributed by PIM, Health Management Solutions, Inc, Westport, CT 2003.
- **Hadžić A**, Vloka JD. Peripheral nerve blocks for the lower extremity. A CD-ROM and a Video cassette CME tutorial distributed by Health Management Solutions for Astra-Zeneca Pharmaceuticals, New York, NY, 10025, March 2000.
- **Hadžić A**, Vloka JD. Lower Extremity Nerve Blocks: A survival guide. A video tutorial featuring nerve block techniques for the lower extremity. St. Luke's-Roosevelt Hospital Center, December 1997, New York, NY, 10025.
- Sanborn KV, Vloka JV, **Hadžić A**. Regional Anesthesia Manual for residents in Regional Anesthesia Rotation. An internal monograph for resident teaching. St. Luke's-Roosevelt Hospital Center, December 1997, New York, NY, 10025.

E. EDUCATIONAL WEBSITES

- Author of the New York School of Regional Anesthesia (NYSORA). <http://www.nysora.com>. (October 1996-current)

F. OTHER

1. **Hadzic A**, Lin E, Choi JJ, van Zundert TC, Crogan CL, Vandepitte C, Frulla AP. Effects of Phrenic Nerve Block on Respiratory Function after Interscalene Brachial Plexus Block. Ed: J De Andres. *Regional Anesthesia and Pain Treatment*. MRA editorial Barcelona, 2012 (Volume 15), p:149-55.
2. **Hadzic A**. Electrical Nerve Stimulators and Localization of peripheral Nerves. Ed: J De Andres. *Regional Anesthesia and Pain Treatment*. MRA editorial Barcelona, 2012 (Volume 15), p:157-79.
3. **Hadzic A**, Shariat AN, Littwin S, Vandepitte C. Single Shot Block versus Continuous Infusion in Shoulder and Knee Surgery. Ed: J De Andres. *Regional Anesthesia and Pain Treatment*. MRA editorial Barcelona, 2012 (Volume 15), p:199-204.
4. Gadsden J, McCally C, **Hadzic A**. Monitoring During Peripheral Nerve Blockade. *Current Opinion in Anesthesiology* 2010; 23(5).
5. **Hadzic A**. Research in Regional Anesthesia: Past, present and future. *American Society of Regional Anesthesia (ASRA) Newsletter*, November 2009, pp 4-5.
6. *American Society of Regional Anesthesia and Pain Medicine (ASRA), Newsletter*. Research in Regional Anesthesia: Past, Present and Future, pp 4-5, November, 2009.
7. Ghandi K, Gadsden A, **Hadzic A**. Atlas of Ultrasound and Nerve Stimulation-Guided Regional Anesthesia. A book review. *Can J Anaesth*; 2009.
8. **Hadzic A**. Standout guide for neglected subspecialty. *Anesthesiology News* 2006;32 (12):34. Book review.
9. Buckenmeir CT. Battle wounds spur advances in regional anesthesia. *Anesthesiology News* 2006;32 (11):14-25. Commentary.
10. Gros A, Iwatta T, **Hadzic A**, Santos A. Impact of spinal anesthesia and obesity on maternal respiratory function during elective Cesarean section. *International Monitor of Regional Anesthesia and Pain Therapy (IMRAPT)* 2005; 17(1): 55-56.
11. Gadsden J, Iwatta T, Tsai T, **Hadzic A**. Effects of increased body mass index and ASA physical status on nerve block failure. *International Monitor of Regional Anesthesia and Pain Therapy (IMRAPT)* 2005; 17:157. A commentary.
12. How to ease into regional blocks. *Outpatient Surgery Magazine*. November 2004 (<http://www.outpatientsurgery.net/bbraun.php>)
13. Things to know about regional anesthesia programs. *Outpatient Surgery Magazine*. November 2004 (<http://www.outpatientsurgery.net/bbraun.php>)
14. **Hadzic A**. Morbidity in regional anesthesia: Neurologic complications of peripheral nerve blocks. In *Puesta al dia en anestesia regional y tratamiento del dolor*. Edited by Jose deAndres, MRA edicions, Barcelona 2004; Vol VII, pp 353-367.
15. **Hadzic A**. Peripheral nerve stimulators and nerve stimulation. In *Puesta al dia en anestesia regional y tratamiento del dolor*. Edited by Jose deAndres, MRA edicions, Barcelona 2004; Vol VII, pp31-41.
16. **Hadzic A**, Shruti S. Infraclavicular block found superior to General Anesthesia in Outpatients Undergoing Hand Surgery. Commentary in *Anesthesiology News* 2004;3 (30):11-65.
17. Shah S, **Hadzic A**. Intermittent bolus of local anesthetic via catheters at the wrist to facilitate rehabilitation therapy after surgery on the digits. *International Monitor of Regional Anesthesia and Pain Therapy (IMRAPT)* 2004, in press.
18. **Hadzic A**. New Approach Described for Pediatric Sciatic Nerve Block. Commentary in *Anesthesiology News* 2004;2:42-43.
19. **Hadzic A**, Vloka JD. Symposium aggregates best minds in regional anesthesia. *Anesthesiology News*, 2004
20. **Hadzic A**. Researchers look at injection pressures, create new monitor. *Anesthesiology News*, 2004

21. Shah S, **Hadžić A**. Continuous interscalene brachial plexus block infusion for postoperative pain relief after outpatient shoulder surgery. *International Monitor of Regional Anesthesia and Pain Therapy (IMRAPT)* 2003; 15(3):25-6.
22. Visan A, **Hadžić A**. Peripheral Nerve Blockade: Continuous Catheters, Adjuvants to Local anesthetics and Serum Levels of Ropivacaine. A comment. *International monitor on Regional Anesthesia and Pain Therapy (IMPART)*. 2003;15:25-6.
23. Karaca PE, **Hadžić A**, Vloka J. Early predictors of successful brachial plexus block identified. *Anesthesiology News* 2002;28:12.
24. Jean-Louis H, Hadžić A. Regional Anesthesia Linked to Significantly Fewer Post-op Complications. *Anesthesiology News*, 2002, 6-7.
25. This Very Popular Site is Devoted to Regional Anesthesia. *Anesthesiology News* 2001: Vol 27(12).
26. Regional Anesthesia for Surgery: Advantages for Practice. A monograph with CME activity written for Centers of Excellence in Regional Anesthesia, Astra-Zeneca. 2001.
27. New York School of Regional Anesthesia, <http://www.nysora.com>. *Anesthesiology* 2001;94:1156
28. Lower extremity nerve blocks – An update. *American Society of Anesthesiologists Newsletter*, 2001;65(4):13-15.
29. **Hadžić A**, Vloka JD. New York School of Regional Anesthesia - *WEB SITE*. www.NYSORA.com – The most popular website with focus on regional anesthesia with weekly readership of 6,000 and excellent reviews in *Anesthesiology* (*Anesthesiology* 2001;94(6):1156).
30. **Hadžić A**, Vloka J, Hadžić A, Rand F, Khaimova Z, Hadžić N, Shih H, Mathia S, Hadžić G. NYSORA - New York School Of Regional Anesthesia - Anesthesia Teaching On The Web: A Tool For The Generations To Come. *The Internet Journal of Anesthesiology* 2000 Vol5N1: [<http://www.icaap.org/iuicode?81.5.1.3>]
31. **Hadžić A**, Vloka, JD. Intravenous Infusion Sets (iv Set) In Anesthesia Practice: A Survey On Their Use And A Look Into The Future. *The Internet Journal of Anesthesiology* 2000, Vol4N4: [<http://www.icaap.org/iuicode?81.4.4.12>]
32. Vloka JD, **Hadžić A**, Shih H, Birnbach DJ. A National Survey on Practice Patterns in the Use of Peripheral Nerve Stimulators in Regional Anesthesia. *The Internet Journal of Anesthesiology*, 1999:10; (<http://www.ispub.com/journals/IJA/Vol3N4/pns.htm>)
33. Vloka J, **Hadžić A**. Sartorius Muscle Twitches Improve Success of Femoral Blocks. *Anesthesiology News* 1999; 25(2): 6-7.
34. **Hadžić A**, Vloka JD. Do We Need a Better Anesthesia Intravenous Infusion Set? *Internet Journal of Anesthesiology* 1999;13 (N1) (<http://www.ispub.com/journals/IJA/Vol3N1/infset.htm>)
35. **Hadžić A**, Vloka JD, Kuroda MM, Koorn R, Birnbach DJ. The practice of peripheral nerve blocks in the United States. A national survey. *Year Book Of Anesthesiology*; Mosby-Year Book, Inc., St. Louis, MO, 1999.
36. **Hadžić A**, Vloka J. Survey Finds Peripheral Nerve Blocks Are Underutilized. *Anesthesiology News* 1999.
37. **Hadžić A**, Vloka JD, Kuroda MM, Koorn R, Birnbach DJ. The practice of peripheral nerve blocks in anesthesia practice. A national survey. *Analgesia File*, 1998.
38. **Hadžić A**, Vloka JD, Saff GN, Hertz R, Thys DM. The “Three-in-one block” for treatment of pain in a patient with acute herpes zoster infection. *Analgesia File*, 1998.
39. **Hadžić A**, Vloka JD, Thys DM. *Transthoracic echocardiography in the outpatient surgery setting*. Syllabus of the 4th International Workshop on Cardiovascular Anesthesia. Paris, France, 1998.
40. **Hadžić A**, Vloka JD. New Peripheral Nerve Stimulator System Enables One Clinician to Perform Blocks. *Anesthesiology News*, 1997;23 (4):20-21.
41. **Hadžić A**, Vloka JD. The awarded exhibit on peripheral nerve stimulator for unassisted nerve blockade. *Sphere* 1997;49(1), 72-3.

42. Vloka JD, **Hadžić A**. Peripheral nerve block for vein stripping offers few complications, fast recovery. *Anesthesiology News*, 1997; 8:12-13-33
43. Vloka JD, **Hadžić A**. Femoral nerve block for varicose vein surgery, *Astra Anaesthesiology Topics* 16 (2), , 1997.
44. **Hadžić A**, Vloka JD. Peripheral Nerve Blocks vs. Spinal or General Anesthesia in Outpatients Undergoing Lower Extremity Cosmetic Vascular Surgery. A Cost-Analysis Study. *Anesthesiology News* 1995; 7:60-61.

NOTE: Due to the length of Dr. Hadžić's Bibliography, non-peer reviewed publications are no longer tracked 2005 onward.

G. PUBLISHED ABSTRACTS OF SCIENTIFIC MEETINGS

Due to the length of the Bibliography, abstracts of scientific meetings in Dr. Hadžić's C.V. are not listed

SCIENTIFIC EXHIBITIONS

- Vloka JD, **Hadžić A**. *A New Intravenous Infusion Set for Use in Anesthesia Practice*. Scientific exhibition at the New York State Society of Anesthesiologists Annual Meeting (PGA), December 12-14, 1998.
- Vloka JD, **Hadžić A**. *Peripheral nerve blocks in ambulatory anesthesia practice. What can we offer in the next century?* Scientific exhibition at the American Society of Anesthesiologists Annual Meeting, Orlando, FL, October 20-22, 1998.
- Vloka JD, **Hadžić A**. *Lower extremity nerve blocks. New techniques and concepts*. Scientific exhibition at the International Anesthesia Research Society (IARS), 72nd Clinical and Scientific Congress, Orlando, FL, March 10, 1998.
- Vloka JD, **Hadžić A**. *Lower extremity nerve blocks. New techniques and concepts*. Scientific exhibition at the New York State Society of Anesthesiologists Annual Meeting (PGA), December 14-16, 1997.
- Vloka JD, **Hadžić A**. *Lower extremity nerve blocks. New techniques and concepts*. Scientific exhibition at the American Society of Anesthesiologists Annual Meeting, San Diego, Ca, October 20-22, 1997.
- **Hadžić A**, Vloka JD, Thys DM. *Peripheral nerve stimulator for unassisted nerve blockade*. Scientific exhibition at the American Society of Anesthesiologists Annual Meeting, New Orleans, LA, October 20-22, 1996.
- **Hadžić A**, Vloka JD. *Practical approach to peripheral nerve blocks of the lower extremity. New techniques and concepts*. Scientific exhibition at the 1997, International Anesthesia Research Society (IARS) meeting, San Francisco, Ca, March 23, 1997.
- **Hadžić A**, Vloka JD, Thys DM. *Peripheral nerve stimulator for unassisted nerve blockade*. Scientific exhibition at the Postgraduate Assembly (PGA), New York, NY, December, 17-20, 1996.

NOTE: Due to the length of Dr. Hadžić's bibliography, PRESENTATIONS OF Scientific exhibits are no longer tracked (1999 onward)

EDITORIAL and other SERVICES TO PROFESSIONAL ORGANIZATIONS

Associate Editor

- *Anesthesiology* 2012-present

Guest Editor

- *Techniques in Regional Anesthesia and Pain Management*, 2003; Vol 7; Issue 1.

Editor-in-Chief

- *Eastern Pain Association Newsletter* 2000-2002
- *NYSORA Journal* 2008-current
- *Anesthesiology News*, 2004-present

Editorial Boards

- *Regional Anesthesia and Pain Medicine* 1997-2007
- *International Monitor on Regional Anesthesia and Pain Therapy* 2002
- **Vice-chair - Resident Research Committee**
New York State Society of Anesthesiologists Post Graduate Assembly (PGA), 2012-2014
- **Research Grants reviewer**
The national Institute of Academic Anesthesia (NIAA) e-grants 2012-present

PhD Mentorship/External Reviewer

- *Alex R Sauter, MD*
Ultrasound and Electrical Nerve Stimulation for Peripheral Nerve Localization in Regional Anesthesia. Division of Anesthesiology and Intensive Care Medicine, University of Oslo, Norway, 2009
- *Manoj Karmakar, MD Chinese University of Hong Kong.*
The development of paravertebral block for surgical anesthesia and analgesia, Hong Kong, 2011
- *Sam Van Boxtael, MD ZOL, Genk, Belgium*

Student lectures

1. Perioperative Medicine. MANAMA (Master Student Lecture Program). Catholic University of Leuven (KUL), Leuven, Belgium. 2012.
2. Nerve blocks in patients with pre-existing neurological disease. Catholic University of Leuven (KUL), Leuven, Belgium, 2013

Advisory Board Member and Scientific Panels

- Philipps, 2015
- Pacira 2011-2017
- Astra-Zeneca Regional Anesthesia Advisory Board 1998-2000
- *Anesthesiology News*, 2004-present
- SkyePharma Inc. 2005-2007
- New York State Society of Anesthesiologists (NYSSA), Post-Graduate Assembly Research Contest Committee Member (PGA Research Competition Judge) – 2002-present.
- Baxter, Inc 2009
- Pacira 2010 – present
- Cadence 2010-present
- BBraun Medical, Int 2009-present

SCIENTIFIC MEETINGS CHAIR

- **Program Chair:** NYSORA Boutique Workshops, New York, NY 12-2013-11-2014
- **Program Co-Chair:** NYSORA Inspire Seminars (2013-2014)
- **Program Chair and President:** Networking World Anesthesia Convention (NWAC)
 - 1st NWAC 2010, Dubai, United Arab Emirates (2010)
 - 2nd NWAC 2011, Rome, Italy (2011)
 - 3rd NWAC 2012 Istanbul, Turkey (2012)
 - 4th NWAC 2013 Bangkok, Thailand (2013)
 - 5th NWAC 2014 Viena, Austria (2014)
- **Program Chair:** New York School of Regional Anesthesia, Annual Symposium on Regional Anesthesia and Perioperative Medicine, 7th-13th Annual Symposium, 2009-2013, New York, NY
- **Program Chair:** New York School of Regional Anesthesia 6th Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. December 20-21, 2008; New York, NY.
- **Program Chair:** New York School of Regional Anesthesia 1st Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , November 7-9, 2008; Royal College of Physicians and Surgeons, London, UK.
- **Program Chair:** New York School of Regional Anesthesia 2nd Annual Symposium, January 9-11, 2008, Hong Kong, China.
- **Program Chair:** New York School of Regional Anesthesia 1st Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , November 17-18, 2007; Royal College of Physicians and Surgeons, London, UK.
- **Program Chair:** New York School of Regional Anesthesia 6th Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , December 15, 2007; New York, NY.
- **Program Chair:** New York School of Regional Anesthesia 1st Annual ASIA Symposium: Comprehensive Review of Regional Anesthesia. February 18, 2007; Singapore, Asia.
- **Program Chair:** New York School of Regional Anesthesia 5th Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , December 18, 2006; New York, NY.
- **Program Chair:** New York School of Regional Anesthesia 4th Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , December 18, 2005; New York, NY.
- **Program Chair:** New York School of Regional Anesthesia 3rd Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , December 18, 2004; New York, NY.
- **Program Chair:** American Society of Regional Anesthesia, Annual meeting, Palm Springs, California, March 2006.
- **Chair of the Workshop Sessions:** American Society of Regional Anesthesia, Annual meeting, Toronto, Canada, March 10-15, 2005.
- **Program Chair:** New York School of Regional Anesthesia 2nd Annual Symposium Anesthesia: Comprehensive Review of Regional Anesthesia. , December 20, 2003; New York, NY.
- **Program Chair:** St. Luke's-Roosevelt and New York School of Regional Anesthesia First Annual Symposium: Comprehensive Review of Regional Anesthesia, December 14, 2002; New York, NY.
- **Chair:** Panel on Postoperative Pain Management. American Society of Anesthesiologists (ASA) Annual Meeting, Orlando, Florida, October 2002.

INVITED SYMPOSIUM SPEAKER AND VISITING PROFESSORSHIP

1. NYSORA Middle East International Symposium, Dubai March 22-25, 2017, Dubai, UAE
2. Korean Society of Anesthesiologists Annual Meeting, Distinguished Lecturer and Honorary Awardee. November 4-6, 2017, Seoul, Korea.
3. American Society of Anesthesiologists (ASA) Refresher Course lecture, Chicago, IL, October 22, 2016.
4. NYSORA Winter Symposium on Regional Anesthesia and Acute Pain Medicine: Educational Outreach Program in the Balkans. January 24-30, 2016.
5. Katholieke Universiteit Leuven, KUL Annual Winter Symposium; Regional Anesthesia and Trauma, February 5-6, 2016.
6. University of Ghent, Ghent Belgium, November 28, 2015. Grand Rounds
7. American Society of Anesthesiologists, ASA Annual Meeting: “Lower Extremity Blocks: Update“, October 24-28, 2015, San Diego California.
8. New York School of Regional Anesthesia, NYSORA boutique workshops, New York, NY, May 2015.
9. Virginia Mason Medical Center, Grand Rounds: Understanding Liposome Bupivacaine: Pharmacology, Current uses, Future in PNBs. Seattle, WA, April 28, 2015.
10. 6th NWAC, Networking World Anesthesia Convention, Vancouver, Canada, March 8, 2015
11. Department of Anesthesiology, University of Ottawa, Canada. Grand rounds. October 24, 2015. Long-acting local anesthetics and future of regional anesthesia.
12. University of North Carolina Annual Carolina Refresher Course, Kiawah NC, June 24-26, 2015
13. University of Alabama, Birmingham, AB. Grand rounds at the Department of Anesthesiology, Birmingham, AB June 22, 2015.
14. Miamonides Medical Center, Brooklyn NY. Grand rounds and workshops. March 2015
15. 2nd NYSORA Latin America Educational Outreach Program, Cartagena, Colombia, March 2015
16. Asian and Australasian Congress of Anaesthesiologists and ASURA Congress, Keynote Lecturer, March 1-3, 2014.
17. The Swiss Association of Regional Anaesthesia (SARA), Annual Congress of the Swiss Society of Anaesthesiology (SGAR), Lausanne, Switzerland, November 8th, 2013.
18. American Society of Anesthesiologists (ASA) Annual Symposium. Refresher Course Lecturer. San Francisco, Ca, October 13, 2013.
19. University of Leuven – KU Leuven, Department of Anesthesiology, November 28, 2013
20. Ziekenhuis Oost-Limburg, Campus Sint-Jan. November 12th and 14th, 2013.
21. American Society of Regional Anesthesia (ASRA) 39th Annual Symposium, Gaston Labatt Lecture, Boston, MA May 4, 2014.
22. Beth Israel Medical Center, Continuum Health Care, New York, NY, August 8th, 2013. Grand Rounds presentation.
23. Northwestern University, Chicago, July 29, 2013. Grand Rounds Presentation, Chicago, IL.
24. University of Pennsylvania, Hershey, PA. Grand Rounds and Workshop for Residents. January 18, 2013
25. Department of Anesthesiology - Catholic University of Leuven (KUL), Leuven, Belgium. Grand rounds, October 30th, 2012.
26. Department of Anesthesiology, Ziekenhuis Oost-Limburg, Gent, Belgium. Grand rounds: “Introducing standards in Regional Anesthesia”. November 7, 2012
27. European Society of Regional Anesthesia Annual Congress. Keynote speaker and Refresher Course Lecturer. Bordeaux France, September 5-8, 2012.
28. III NWAC (Networking World Anesthesia Convention), Istanbul, Turkey, April 24-28, 2012.

29. Beth Israel Deacones Medical Center. A teaching hospital of Harvard Medical School. April 17, 2012. Modern Practice of Peripheral Nerve Blocks. Grand Rounds. April 17-18, 2012.
30. World Congress of Anesthesiologists (WCA) World Federation Society of Anesthesiologists (WFSA), Buenos Aires, March 25-30, 2012
31. NYSORA-Asia (New York School of Regional Anesthesia) Educational Outreach Program (ESOP), March 3-4, 2012, Ho Chi Minh City, Vietnam.
32. American Society of Regional Anesthesia (ASRA), March 15-18, 2012, San Diego, Ca.
33. Operating Room videoconference to “Farreras Valenti” Hospital Clinic. Universidad de Barcelona. February 2nd 2012, Barcelona, Spain.
34. Jornada de ecografía aplicada a los bloqueos del neuroeje. ENEA: Escuela Norte de Ecografía en Anestesia. January 31, 2012, San Sebastian, Spain. “Avoiding neurologic complications with regional anesthesia”
35. XII Curso teorico-practico de fundamentos anatomicos aplicados a la anestesia regional. Facultad de Medicina, Universidad de Barcelona: Unidad de Anatomia y Embriologia Humana and Laboratory of surgical neuroanatomia (LSNA). January 26-27, 2012, Barcelona, Spain.
36. North Shore LIJ Health System. Ultrasound-based regional anesthesia. November 15, 2011.
37. University of Toronto: 17th Regional Anesthesia and Pain Medicine Workshop and Symposium, October 27-30, 2011, Toronto, Canada. Pathophysiology of Post Block Neurologic Injury
38. American Society of Anesthesiologists (ASA), Chicago October 15-19, 2011. Refresher Course Lecture: Lower Extremity Nerve Blocks – An Update.
39. American Society of Anesthesiologists (ASA), Chicago October 15-19, 2011. The Great Ambulatory Regional Anesthesia Debate: Postoperative Catheters are Not Ideal to Treat Postoperative Pain in Outpatients
40. American Society of Anesthesiologists (ASA), Chicago October 15-19, 2011. Panel: Mechanism of Peripheral Nerve Injury
41. American Society of Anesthesiologists (ASA), Chicago October 15-19, 2011. Panel: Definition and outcome of Intraneural Injections
42. American Society of Regional Anesthesia and Pain Medicine (ASRA) Spring Meeting, Las Vegas, NE May 5-8, 2011
43. Advanced Techniques for Acute and Chronic Pain Management; Keynote Speaker. Wayne Sate University, Detroit, MI, April 29, 2011
44. Katholieke Universiteit Leuven, Leuven, Belgium, March, 2011. Grand Rounds
45. Department of Anesthesiology at the Chinese University of Hong Kong: Visiting Professor. March 2011.
46. 5th International Symposium on Spine and Paravertebral Sonography. The Chinese University of Hong Kong, Hong. March 5-8, 2011
47. Slovenian Congress of Regional Anesthesia. Ljubljana, Slovenija November 12-14, 2010
48. American Society of Anesthesiologists (ASA) Annual Meeting. San Diego, Ca, October 16-19, 2010. Refresher course lecturer.
49. VIII Symposium on Regional Anesthesia and Pain Medicine. Santiago, Chile, October 1-2, 2010
50. European Society of Regional Anesthesia (ESRA), Spanish Chapter. Alicante, Spain
51. Department of Anesthesiology at the University of Indiana, Ground Rounds: Ultrasound-guided regional anesthesia and neurologic injury, Indianapolis, IN July 13, 2010.
52. Hospital for Special Surgery, Grand Rounds: Ultrasound guided regional Anesthesia: What have we learned? March 6, 2010, New York, NY

53. XVIII Congress on Annual Do Clube de Anestesia Regional - CAR. (XVIII Zonal Congress of European Society of Regional Anaesthesia in Portugal). Santarem, October 8-10, 2009, Portugal.
54. XI Simposio Internacional de Anestesia, Hospital dos Servidores do Estado, Rio de Janeiro, Brasil, Sept 23-27, 2009.
55. 2009 ASA Annual Meeting CME-Lower Extremity Regional Anesthesia: Update on nerve stimulation and ultrasound techniques. New Orleans, October, 2009.
56. 2009 ASA Annual Meeting CME-Are There Techniques to Reduce Peripheral Nerve Injury? New Orleans, October, 2009
57. 56th Annual Meeting of Japanese Society of Anesthesiologists (JSA). Kobe, Japan, May 22-24, 2009.
58. University of Oslo, Norway, Rikshospitalet. Neurologic complications of peripheral nerve blocks: Mechanisms and means of prevention. Oslo, Norway, April 16, 2009.
59. 1st International Symposium on Spine and Paravertebral Sonography for Anaesthesia and Pain Medicine. Ultrasound guided nerve blocks: Common Sense approach. April 9-11, 2009, Hong Kong, China.
60. University of Hong, China. Lower Extremity Nerve Blocks – An update on nerve stimulator and ultrasound techniques. Hong Kong, China, April 6, 2009.
61. University of Hong, China. Lower Extremity Nerve Blocks – Complications of peripheral nerve blocks. Hong Kong, China, April 7, 2009.
62. American Society of Anesthesiologists (ASA) Annual Meeting, Orlando, FL, October 9-12, 2008. Refresher course “Lower Extremity Nerve Blocks-Nerve stimulation and Ultrasound Techniques”.
63. European Society of Anesthesiology (ESA) Euroanesthesia 2008 Annual Meeting, Genoa, Italy, June 9-12, 2007.
64. Washington University, St. Louis MI. Grand Rounds. June 24-25, 2008. Ultrasound-guided peripheral nerve blocks – A common sense approach.
65. Casati Memorial Symposium. Bologna, Italy. April 13-14, 2008
66. Department of Anesthesiology, St. Vincent Hospital and Medical Center, New York Medical College. Ground Rounds. Complications of Peripheral Nerve Blocks. January 30, 2008.
67. NYSSA, New York State Society Anesthesiologists Postgraduate Assembly 61st Annual Meeting, New York, NY. Panel presentation on “New techniques for Lower Extremity Nerve Blocks”, New York, NY December 8th.
68. Brigham and Woman’s Hospital, Harvard Medical School, Boston, MA, November 18, 2007. Visiting Professor.
69. University of Buenos Aires, Buenos Aires, Argentina, November 1-4, 2007. Refresher course and workshops on Regional and Ultrasound guided Regional Anesthesia.
70. Wake Forest University Annual Symposium on Advances in Anesthesia. Hilton Head, South Carolina, November 28-30, 2007. Refresher course talk and workshops.
71. Catharina-Ziekenhuis University Hospital, Eindhoven, Netherlands. Visiting professor, November 5-6, 2007. Clinical instructor, November 5-6, 2007
72. American Society of Anesthesiologists (ASA) Annual Meeting, San Francisco, Ca, October 12-14, 2007. Refresher course on “Lower Extremity Nerve Blocks” and panel presentation.
73. 4th Master Internazionale su: Tecniche di Anestesia ed Analgesia Regionale. Bologna, Italy Sept 20-22, 2007.
74. Georgia Society of Anesthesiologists (GSA) Annual Meeting. Saint Simons Island, GA, August 2-4, 2007.
75. Department of Anesthesiology, University of Hershey, PA. May, 2007.

76. European Society of Anesthesiology (ESA) Euroanesthesia 2007 Annual Meeting, Munich, Germany, June 9-12, 2007.
77. Joan and Sanford I. Weill Medical College & Graduate School of Medical Sciences of Cornell University, May 2007; New York, NY. Grand Rounds Presentation.
78. Wayne State University School of Medicine: Advanced Regional Anesthesia 2007: Invasive Pain Management Techniques and Regional Anesthesia Hands-on Workshop, Detroit MI, May 4-6, 2007.
79. Gulf Atlantic Resident Research Conference (GAARRC); Key-Note lecturer: Ultrasound guided nerve blocks; in New Orleans April 13-15, 2007.
80. American Society for Regional Anesthesia (ASRA) Annual Meeting, Vancouver, Canada; April 19-24, 2007. Refresher Course Lecturer: Anatomy for regional anesthesia: Lower extremity.
81. University of Barcelona, Barcelona, Spain. Guest lecturer; February 1-4, 2007.
82. First Annual Pan-Asian Meeting of the New York School of Regional Anesthesia. Singapore, February 10-11, 2007; course director.
83. Fifth Annual Meeting of the New York School of Regional Anesthesia. New York, NY; December 16-17, 2007; course director.
84. VII Simposio Anestesia Regional Y Medicina Del Dolor – 2006, organized by the Chilean Society of Anesthesiologists, November 10-13, 2006.
85. Wake Forest University, North Carolina. Chapel Hill, NC. Grand Rounds Lecturer, November 28-29, 2006.
86. European Society for Regional Anesthesia (ESRA) Refresher course lecturer at the 25th Annual Meeting, Monte Carlo, Monaco, September 6-9, 2006.
87. American Society of Anesthesiologists (ASA) Refresher Course Lecturer at the 2006 Annual Meeting, Chicago Illinois, October 2006.
88. American Society of Regional Anesthesia, ASRA Annual Spring Meeting. **Program Chair** and Lecturer; Palm Springs, Ca, April 6-9, 2006.
89. Society for Ambulatory Anesthesia, SAMBA, Annual National Meeting. Lecturer and Peripheral Nerve Blocks Workshop organizer. Washington, DC, May 2-5, 2006.
90. Wayne State University, Department of Anesthesiology, Visiting professor, Detroit, Mi, March 15, 2006.
91. Oceanic Society of Anesthesiologists, Jakarta Indonesia. Key note lecturer and Symposium co-director, February 9-15, 2006.
92. Universitaire Ziekenhuizen Leuven, Belgium. Guest lecturer at the International Winter Symposium: Update in Anesthesia. Acquisition of competence in regional anesthesia for the postgraduate. January 7, 2006
93. Fourth Annual New York School of Regional Anesthesia (NYSORA) Symposium on Regional Anesthesia, New York, NY, December 17, 2005. Director and lecturer.
94. The New York State Society of Anesthesiologists (PGA) Annual Meeting, New York, NY, December 12, 2005. Regional Blocks: Improving Success and Decreasing Complications.
95. American Society of Anesthesiologists (ASA) Annual Meeting, New Orleans, LA October 22-27, 2005. Refresher course: Lower Extremity Nerve Blocks for Surgery and Pain Management.
96. University of Toronto, 8th Annual Review of Regional Anesthesia and Acute Pain Management. Speaker of the Royal College of Physicians and Surgeons of Canada. Sept 30-Oct 2, 2005
97. Hospital for Special Surgery, Weill Medical College, New York, NY July 8 2005.
98. Fifth Zonal Polish European Society for Regional Anesthesia (ESRA) Meeting. Pultusk, Poland, June 09-11, 2005.

99. 1st Croatian International Symposium on Regional Anaesthesia and Pain Control. Dubrovnik, Croatia, June 16-19, 2005.
100. 5th European Congress of Orthopedic Anesthesia and Pain Management, Barcelona, Spain, April 20-24, 2005.
101. University of Missouri 55 Annual Postgraduate Assembly, Kansas City, MO, March 28, 2005.
102. George Washington University School of Medicine, Department of Anesthesiology, Washington, DC, December 9, 2004.
103. John Hopkins School of Medicine, Department of Anesthesiology. Baltimore, Maryland, November 13, 2004.
104. American Society of Anesthesiologists (ASA) Annual Meeting, Las Vegas, NE October 22-27, 2004. Refresher course: Lower Extremity Nerve Blocks for Surgery and Pain Management.
105. American Society of Anesthesiologists (ASA) Annual Meeting, Las Vegas, NE October 22-27, 2004. Chair: Panel on Equipment for Regional Anesthesia: New solutions for old problems.
106. European Society of Regional Anesthesia (ESRA) 10th Annual Local Meeting, Valencia, Spain, November 2-5, 2004.
107. Department of Anesthesiology and Critical Care, University of Barcelona, Spain. November 2, 2004.
108. The Bonica's Memorial Symposium, Sicily, Italy, September 19-23, 2004.
109. European Society of Regional Anesthesia (XXIII ESRA) Annual Congress, Athens Greece, Sept 8-11 2004.
110. World Congress of Anesthesiologists, Paris, April 19-25, 2004.
111. Society for Ambulatory Anesthesia: Peripheral nerve blocks – Workshop. SAMBA 19th Annual Meeting, April 29-May 2, 2004, Seattle, Washington.
112. American Society of Regional Anesthesia (ASRA) Annual Meeting; Orlando Florida, March 10-14, 2004.
113. Robert Wood Johnson Medical Center, Princeton, NJ.
114. New York State Society of Anesthesiologists, 57th Postgraduate Assembly, December 12-16, 2003. Mechanisms of Nerve Injury and Means to Prevent Them
115. New York State Society of Anesthesiologists, 57th Postgraduate Assembly, December 12-16, 2003. Ambulatory anesthesia and Pain control on a tight schedule: Lower extremity nerve blocks.
116. New York State Society of Anesthesiologists, 57th Postgraduate Assembly, December 12-16, 2003. Panel discussion: Nerve blocks in patients with abnormal coagulation.
117. New York State Society of Anesthesiologists, 57th Postgraduate Assembly, December 12-16, 2003. Workshop on peripheral nerve blocks.
118. Department of Anesthesiology, The State University of New York (SUNY), Brooklyn, November 5, 2003.
119. 2nd Annual NYSORA Symposium on Regional Anesthesia, New York, NY, December 20, 2003.
120. VI Symposium on Regional Anesthesia and Pain Medicine, Santiago de Chile, October 3-5, 2003.
121. Department of Anesthesiology; Duke University. September 9-10, 2003.
122. Department of Anesthesia, University of Iowa; RASCI workshop on continuous peripheral nerve blocks. July 19-20; 2003.
123. 4th Congress on Orthopedic Anesthesia. Madeira, Portugal, June 18-20, 2003.
124. Aesculap Academy Seminar: Review of Regional Anesthesia and Acute Pain Medicine. Baltimore MD, June 9, 2003.
125. Kayser Permanente Annual Seminar. Los Angeles, Ca, May 17, 2003.

126. University Hospitals of Cleveland. Cleveland, Ohio. April 22-23, 2003. Complications after regional anesthesia and means to prevent them.
127. American Society of Regional Anesthesia (ASRA) Annual Meeting, San Diego, Ca 2003. Frontiers of nerve stimulation.
128. American Society of Regional Anesthesia (ASRA) Annual Meeting, San Diego, Ca 2003. Master Classes Workshop on Regional Anesthesia.
129. American Society of Regional Anesthesia (ASRA) Annual Meeting, San Diego, Ca 2003. Analgesia without paraplegia: Postoperative pain management.
130. University of Miami School of Medicine. Department of Anesthesiology, Miami Florida, March 19, 2003. Complications associated with peripheral nerve blocks and means to avoid them.
131. University of Miami School of Medicine. Department of Anesthesiology, Miami Florida, March 20, 2003. Everything you ever wanted to know about lower extremity nerve blocks.
132. University of California San Francisco. Department of Anesthesiology. April 1-2, 2003.
133. Mount Sinai School of Medicine: Lumbar Plexus –Sciatic nerve blocks. March 2003.
134. “Is regional anesthesia the preferred technique for ambulatory surgery?”; “Anesthesia for day-case surgery” 17th International Winter Symposium by the Department of Anesthesiology of the Catholic University of Leuven, Belgium. Universitaire Ziekenhuizen Leuven, January 10-11, 2003.
135. Course director - New York School of Regional Anesthesia First Annual Centers of Excellence Symposium, New York, NY, December 14, 2002.
136. The *New York Society of Anesthesiologists Postgraduate Assembly* (PGA) 2000. Workshop on Peripheral Nerve Blocks. New York, NY, December 2002.
137. The *New York Society of Anesthesiologists Postgraduate Assembly* (PGA) 2000. Co-Chair, Panel on complications of regional anesthesia. New York, NY, December 2001.
138. American Society of Anesthesiologists (ASA) Annual Meeting, Orlando, October 2002. Chair: Panel on Postoperative Pain Management.
139. Aesculap Academy Seminar: Review of Regional Anesthesia and Acute Pain Medicine. Bethlehem, PA, September 12, 2002.
140. “Anesthesia for Foot and Ankle Surgery”. First Annual International Symposium on Regional Anesthesia and Pain Management. University of Pittsburgh School of Medicine. Pittsburgh, PA, August 22-24, 2002.
141. “What is new in Regional Anesthesia”. The Mayo Clinic, University of Florida, Jacksonville. August 19, 2002.
142. “Neurologic Complications After Lower Extremity Blockade” American Society of Regional Anesthesia (ASRA) 2002 Annual Meeting, Chicago, IL; April 26, 2002.
143. “Continuous peripheral nerve block technique for postoperative pain management” American Society of Regional Anesthesia (ASRA) 2002 Annual Meeting, Chicago, IL; April 26, 2002.
144. “Peripheral nerve block technique for postoperative pain management” American Society of Regional Anesthesia (ASRA) 2002 Annual Meeting, Chicago, IL; April 26, 2002.
145. Workshop on peripheral nerve blocks and the use of nerve stimulators. American Society of Regional Anesthesia (ASRA) 2002 Annual Meeting, Chicago, IL; April 26, 2002.
146. “Regional and Pain Management Procedures for the ASC: Lower Extremity Blocks”. Society for Ambulatory Anesthesia (SAMBA) 2002 Annual Meeting, Orlando FL, May 2002.
147. Sixth Annual Symposium: Controversies & Fundamentals in Regional Anesthesia; Hospital for Special Surgery; Cornell University, New York, NY, March 31, 2001
148. “Peripheral Nerve Blocks for Private Practice”. *St. Barnabas Medical Center*, University of Medicine and Dentistry New Jersey, Livingston, NJ, September 19, 2001.

149. "Lower extremity nerve blocks for private practice". Controversies & Fundamentals in Regional Anesthesia; 5th Annual Symposium. Hospital for Special Surgery; Cornell University, New York, NY, March 31, 2001
150. "Choice of local anesthetics". Third International Symposium on Continuous Nerve Blocks, New Orleans, LA, October 11-13, 2001.
151. "OR Blocks". Third International Symposium on Continuous Nerve Blocks, New Orleans, LA, October 11-13, 2001.
152. "Lower Extremity nerve blocks: An update" Inselspital, Universitätsspital Bern, Hôpital Universitaire de Berne, Switzerland. September 5, 2001.
153. "Lower extremity blocks: How to make them work in your practice". Inselspital, Universitätsspital Bern, Hôpital Universitaire de Berne, Switzerland. September 5, 2001.
154. Peripheral Nerve Blocks: How to make them work. St. Barnabas Medical Center, University of Medicine and Dentistry New Jersey, Livingston, NJ, September 19, 2001.
155. Optimizing success with peripheral nerve blocks. Regional Anesthesia and Pain Management. The Royal College of Physicians and Surgeons of Canada. September 29-30, 2001.
156. Optimizing success with peripheral nerve blocks. Regional Anesthesia and Pain Management. The Royal College of Physicians and Surgeons of Canada. September 29-30, 2001.
157. Spinal anesthesia is not optimal technique for outpatients. Regional Anesthesia and Pain Management. The Royal College of Physicians and Surgeons of Canada. September 29-30, 2001.
158. Popliteal and sciatic nerve block workshops. Regional Anesthesia and Pain Management. The Royal College of Physicians and Surgeons of Canada. September 29-30, 2001.
159. Peripheral nerve blocks for perioperative pain control. American Society of Anesthesiologists (ASA), New Orleans, LA October 17, 2001.
160. "The use of computers for teaching of regional anesthesia". American Society of Anesthesiologists (ASA), New Orleans, LA October 17, 2001.
161. Continuous Peripheral Nerve Blocks for Ambulatory Orthopedics and Acute Pain Management. 3rd Regional Anesthesia International Symposium. New Orleans, LA, October 11-12, 2001.
162. The New York Society of Anesthesiologists Postgraduate Assembly (PGA) 2000. Workshop on Peripheral Nerve Blocks. New York, NY, December 2001.
163. The use of nerve stimulator for lower extremity nerve blockade. Controversies & Fundamentals in Regional Anesthesia; 5th Annual Symposium. Hospital for Special Surgery; Cornell University, New York, NY, March 31, 2001
164. Nerve Blocks of the Lower Extremity: What is New? University of Pennsylvania College of Medicine, The Milton S. Hershey Medical Center, Hershey PA, March 15, 2001
165. Keys to success with peripheral nerve blocks. University of Pennsylvania College of Medicine, The Milton S. Hershey Medical Center, Hershey PA, March 14, 2001
166. The New York Society of Anesthesiologists Postgraduate Assembly (PGA) 2000. Workshop on Peripheral Nerve Blocks. New York, NY, December 12,13 and 14, 2000.
167. V Simposio: Anestesia Regional y Medicina del Dolor 2000. Clínica Las Condes, Santiago Chile, September 29 - October 1, 2000.
168. "Femoral Nerve Blocks: An Update." University of Iowa College of Medicine, Department of Anesthesiology, Iowa City, Iowa. June 11, 2000.
169. "Regional anesthesia workshop." Société Française d'Anesthésie et de Réanimation 42e Congrès National d'Anesthésie et de Réanimation, Paris, France; September 21-24, 2000.
170. Peripheral Nerve Blocks for Postoperative pain management. The American Society of Regional Anesthesia Regional Meeting. John Hancock Conference Center. Boston, MA, November, 2000.

171. "Peripheral Nerve Blocks for Postoperative pain management". The American Society of Regional Anesthesia Regional Meeting. Williamsburg, VA, March 11, 2000.
172. Workshop on lower extremity nerve blocks. The American Society of Regional Anesthesia Regional Meeting. Williamsburg, VA, March 11, 2000.
173. "Workshop in Peripheral Nerve Blocks of Upper and Lower Extremity". Department of Anesthesiology, Montefiore Hospital, Albert Einstein College of Medicine, New York, NY, January 24, 2000.
174. Department of Anesthesiology, Albert Einstein Hospital, Albert Einstein College of Medicine, New York, NY, January 24, 2000. Peripheral Nerve Blocks for Surgical Anesthesia.
175. "Femoral Nerve Block: Making Sense of the Anatomy". Department of Anesthesiology, Thomas Jefferson Medical College; Philadelphia, PA, November 4, 1999.
176. The New York Society of Anesthesiologists Postgraduate Assembly (PGA) 1999. Workshop on Peripheral Nerve Blocks. New York, NY, December 12,13 and 14, 1999.
177. Workshop on Peripheral Nerve Blocks and Nerve Stimulation. American Society of Anesthesiologists (ASA) Annual Meeting, Dallas, TX, October 13 and 14, 1999.
178. Posterior approach to the popliteal block. First Regional Anesthesia International Symposium: Lower Extremity Peripheral Nerve Blocks. Single injection techniques. The University of Texas-Houston Health Science Center; Medical School, Houston, Texas, October 7, 1999.
179. Peripheral Nerve Blocks for Postoperative pain management. The American Society of Regional Anesthesia Regional Meeting. Bethesda, MD, April 10, 1999.
180. Workshop on lower extremity nerve blocks. The American Society of Regional Anesthesia Regional Meeting. Bethesda, MD, April 10, 1999.
181. Workshop on lower extremity nerve blocks New Jersey Society of Anesthesiologists Annual Meeting.. Atlantic City, NJ, March 10, 1999.
182. Lower Extremity Nerve Blocks. Saint Barnabas Medical Center, University of Medicine and Dentistry New Jersey, Livingston, NJ, April 23, 1997.
183. "Femoral Nerve Block: What is New?" The Hospital for Special Surgery, Cornell University Medical College, New York, NY, March 5 1998.
184. "Perioperative Echocardiography in Ambulatory Setting." 4th International Workshop on Cardiovascular Anesthesia. Groupe Hospitalier Pitié-Salpêtrière; University of Paris, Paris, France, June 25-27, 1998.
185. "Peripheral Nerve Blocks in the 21st Century." St. Luke's-Roosevelt Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY, June 2, 1998.

GRANT SUPPORT RESEARCH

St. Luke's-Roosevelt Hospital Associate Trustees Grant	May, 1997. <i>Primary Investigator:</i> An echocardiographic study examining the effects of regional anesthesia on cardiac performance (\$ 6,500)
Anesthesiology News	December, 1994. <i>Primary Investigator:</i> A study examining the suitability of peripheral nerve blocks for outpatient surgery (\$ 5,000)
American Society of Regional Anesthesia (ASRA)	April 7, 1999. Carl Koller Memorial Grant. <i>Primary Investigator:</i>

	A study examining left ventricular filling and performance in elderly patients after spinal anesthesia (\$12,500)
Glaxo Smith-Kline Industries	October 2002, A study to examine the effects of oral Ondansetron (Zofran) on postoperative nausea and vomiting (\$44,000)
St. Luke's-Roosevelt Hospital Associate Trustees Grant	July, 2003, <i>Primary Investigator:</i> <i>The influence of electrode placement on electrical nerve stimulation.</i> A study on volunteers examining the effects of electrode placement, duration of the electrical stimulus and voltage output on nerve stimulation in patients undergoing peripheral nerve localization using electrical nerve stimulators (\$ 7,500)
Glaxo Smith-Kline Industries	April 2004, A study to examine the preventive antiemetic effects of intravenously administered ondansetron in patients with history of motion-sickness or anesthesia/surgery-related undergoing laparoscopic surgery (\$87,000)
Glaxo Smith-Kline Industries	February 2005, A study to examine the preventive antiemetic effects of intravenously administered NK3 in addition to dexamethasone or ondansetron in patients with history of motion-sickness or anesthesia/surgery-related undergoing laparoscopic surgery (\$100,000)
Glaxo Smith-Kline Industries	March 17,2006 A Phase III, Multicenter, Randomized, Double-blind, Parallel Group Study to Evaluate the Safety and Efficacy of 50 mg Oral Dosing with the Neurokinin-1 Receptor Antagonist GW679769 for the Prevention of Postoperative Nausea and Vomiting in Female Subjects at High Risk for Emesis. (Estimated \$212,000.00)
SkyePharma	March 2006. A Phase 3, Multicenter, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of a Single Administration of SKY0402 in the Management of Postoperative Pain in Subjects Undergoing Primary, Unilateral Inguinal Hernia Repair (Estimated \$82,000.00)
SkyePharma	May 2006. A Phase 3, Multicenter, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of a Single Administration of SKY0402 as a Femoral Nerve Block in the Management of Postoperative Pain in Subjects Undergoing Reconstruction of the Anterior Cruciate Ligament. (Estimated \$96,000.00)

SKY0402-C-207	<p>June 2007.</p> <p>A Multicenter, Randomized, Double-Blind, Parallel-Group, Active-Control, Dose-Ranging Study to Evaluate the Safety and Efficacy of a Single Administration of SKY0402 for Prolonged Postoperative Analgesia in Subjects Undergoing Primary, Unilateral, Inguinal Hernia Repair. (\$100,000)</p>
SKY0402-C-208	<p>September 2007-June 2008.</p> <p>A Multicenter, Randomized, Double-Blind, Parallel-Group, Active-Control, Dose-Ranging Study to Evaluate the Safety, Efficacy, and Comparative Systemic Bioavailability of a Single Administration of SKY0402 via Local Infiltration for Prolonged Postoperative Analgesia in Subjects Undergoing Total Knee Arthroplasty. (estimated \$100,000)</p>
BAXTER, INC	<p>Quality of life after ambulatory rotator cuff surgery: Single injection versus Continuous Interscalene block versus General Anesthesia. A double-blinded, prospective study. \$ 120,000.⁰⁰, principal investigator.</p>
PACIRA PHARMACEUTICALS, INC	<p>Protocol 402-C-323, A Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Dose-Ranging Study to Evaluate the Safety, Efficacy, and Pharmacokinetics of Single Injection Femoral Nerve Block with Liposome Bupivacaine for Postsurgical Analgesia in Subjects Undergoing Total Knee Arthroplasty \$200,000, PI, St. Luke's-Roosevelt Hospital. New York, NY</p>
PACIRA PHARMACEUTICALS, INC	<p>Protocol 402-C-326, A Multicenter, Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Dose-Ranging Study to Evaluate the Safety, Efficacy, and Pharmacokinetics of Single Injection Femoral Nerve Block with Liposome Bupivacaine for Postsurgical Analgesia in Subjects Undergoing Total Knee Arthroplasty. A Phase IV study with pharmacokinetic profile designed to meet FDA requirements for approval of new drugs. Grant \$500,000. Study manager, ZOL, Genk, Belgium</p>
PACIRA PHARMACEUTICALS	<p>Protocol 402-C-327 A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy, Safety, and Pharmacokinetics of Brachial Plexus Block with EXPAREL for Postsurgical Analgesia in Subjects Undergoing Total Shoulder Arthroplasty or Rotator Cuff Repair, Phase 3 Trial. Study manager. Study manager, ZOL, Genk, Belgium</p>

PHILANTHROPY

President and Founder OF NEW YORK SCHOOL OF REGIONAL ANESTHESIA (NYSORA)

Through a range of on-line, on-site and Educational Outreach Programs education missions in Asia, NYSORA and NWAC have provided free education to hundreds of anesthesiologists from emerging countries worldwide. In addition, NYSORA has donated supplies in books, medical equipment, support to local communities in need and others totaling \$1M since 1998.

President and Founder of NAICE, North American Institute of Continuous Education

A tax-exempt educational organization based in New York, NY. NICE is a CME-granting agency recognized by ACCME (American Commission for Continuous Medical Education) 2014-present. NAICE provides educational grants and services to the young investigators, educators from developing countries and services to the academic community.

OTHER ENDEAVORS

- President and Founder of NWAC (Networking World Anesthesia Convention), a Global Educational Organization in Anesthesiology, Critical Care and Perioperative Medicine. NWAC organizes Annual Conventions Worldwide with attendance of over 1,000 delegates and 30+ top industry leaders exhibits. Previous conventions held: NWAC 2010 Dubai, NWAC 2011 Rome, NWAC 2012 Istanbul, NWAC 2013 Bangkok, NWAC 2014-Vienna, NWAC 2015-Vancouver, NWAC 2017 (7th) -New York, USA.
- *Sound & recording engineering, Record-label owner*: Founder of *Stone Tone Studios, Inc* and *Stone Tone Records* (2001-present), analogue recording studio, 2753 Broadway STE 183, New York, NY 10025
- President and CEO of the record label for roots music - *Stone Tone Records (Stone Tone Records, Inc)*, 2010 – present, 2753 Broadway STE 183, New York, NY 10025
- *Music*: Leader of a New York-based, internationally touring Blues-Rock band: ***Big Apple Blues*** (www.bigappleblues.com)
- ***Educational outreach programs leadership***
 - Founder and President of ***NWAC*** (Networking World Anesthesia Convention), a Global Educational Organization with a mission of fostering networking among educators, clinicians and industry. The organization hosts large Annual Conventions World-wide, 2010-present (www.worldanesthesia.com).
 - Founder and President of ***NYSORA*** (New York School of Regional Anesthesia), a Global Educational Organization with a worldwide reach, readership of 15,000/week and a mission of fostering education and collaboration in Regional Anesthesia and Acute Pain Management. The organization hosts Annual Conventions in New York in September, and an annual NYSORA-Asia Educational Scholarship Outreach Program in Asia (NYSORA-Asia;(www.NYSORA.com)).
 - Founder of ***Anesthesiology Network***, a Global Professional Network for Anesthesiologists. (www.anesthesiology-network.com).
 - Founder of ***ESOP*** – Educational Outreach Scholarship Program – a philanthropic, educational arm of NWAC that focuses on fostering medical education and research in the developing world. 2010-present
- Photography; a photography exhibit can be seen at (<http://admophotography.zenfolio.com/>). Published cover art (*Anesthesiology*, April 2013)
- Founder and President, ***Leuven Blues*** (LeuvenBlues.org) – a cultural music exchange program between USA and Leuven, Belgium, 2016