

CURRICULUM VITAE



KENNETH D. CANDIDO, M.D.
836 West Wellington Avenue; Suite 4815
Chicago, IL 60657
(773) 562-9549; Fax: (773) 296-5088
Email: kdcandido@yahoo.com

Place of Birth: East Orange, New Jersey

EDUCATION

B.A.	Rutgers College, New Brunswick, NJ	5/79
M.D.	Universidad del Noreste, México (Diploma)	1980-83
Fifth Pathway	New York Medical College	1984
M.D. Degree	New York State Board of Regents	1991
Internship	Internal Med; New York Medical College	7/86-6/87
Residency	Anesthesiology CA1-2; New York Medical College	1/85-6/86 (18 mos)
Fellowship:	Pain and Regional Anesthesia; University of Illinois at Chicago	7/87-6/88
Residency	University of Illinois at Chicago	7/88-3/89 (9 mos)
Chief Resident	University of Illinois at Chicago	12/88-3/89 (3 mos)

MEDICAL LICENSURE

New York	#161553	1985
Illinois	#036-075131	1987
New Jersey	#51536 (inactive)	1988

CERTIFICATIONS

American Board of Anesthesiology	4/89
Added Qualifications in Pain Medicine	
	9/94
Recertified	9/04
Recertified	10/14
Advanced Cardiac Life Support (ACLS)	
Instructor: American Heart Association	1987
Recertified Instructor	1999
Completed: State of Illinois Obstetric Hemorrhage Project Advocate Illinois Masonic Medical Center, Chicago	2009

BOARD OF DIRECTORS

American Society of Interventional Pain Physicians (ASIPP): Named RUC Representative	2014-Present April 2014-Present
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UNIVERSITY APPOINTMENTS

University of Illinois College of Medicine Chicago Clinical Professor of Anesthesiology	2/01/08-Present
Clinical Professor of Surgery, UIC at Chicago	8/01/16-Present
Loyola University Chicago Associate Professor of Anesthesiology	1/05-6/06
Professor of Anesthesiology	7/06-2/01/08
Northwestern University Feinberg School of Medicine/North- Western Memorial Hospital Associate Professor of Anesthesiology	9/01-01/05
Rush Medical College Assistant Professor of Anesthesiology	1998-2002
University of Illinois at Chicago Assistant Clinical Professor of Anesthesiology	1989-1995
University of Illinois at Chicago Assistant Professor of Anesthesiology	3/89-7/89

HOSPITAL AND TEACHING APPOINTMENTS

Advocate Illinois Masonic Medical Center 2/08-Present
Chairman, Department of Anesthesiology
836 W. Wellington Ave., Suite 4815, Chicago, IL 60657
Chicago Anesthesia Pain Specialists
CEO and President
3000 N. Halsted St., Suite 700, Chicago, IL 60657

Clinical Professor of Anesthesiology
University of Illinois at Chicago College of Medicine

Clinical Professor of Surgery
University of Illinois at Chicago College of Medicine 8/01/16

Loyola University Chicago
Director, Division of Pain Management 1/05-2/08
Director, Pain Management Committee 1/05-2/08
Director, Pain Management Fellowship Program 6/07-2/08
Professor of Anesthesiology, Loyola University Medical School

Northwestern University Feinberg School of Medicine/North-
Western Memorial Hospital
Director, Division of Acute Pain Management 6/02-01/05

Cook County Hospital
Attending Physician, Department of
Anesthesiology and Pain Management 1997-2001
Chairman, Residency Selection 1998-2001
Executive Medical Staff Member 1999-2001

Lenox Hill Hospital
Assistant Adjunct Attending: Anesthesiology and
Division of Regional Anesthesia and Pain Management 7/89-1/92

Adjunct Attending Anesthesiologist 1/92-1/97

EDITORIAL POSITIONS

Editorial Staff: *Regional Anesthesia and Pain Medicine*; (reviewer) 2002-present
Editorial Staff: *Anesthesia & Analgesia*; (reviewer) 2004-present
Editorial Staff: *Journal of Clinical Anesthesia*; (reviewer) 2008-present
Editorial Staff: Pain Physician: **Editorial Board** 2008-present
Editor-In-Chief: *Midwest Pain Society Update*; A publication of
The Midwestern Regional Section of the American Pain Society 2003
Editorial Staff: Local and Regional Anesthesia and Analgesia 2008-present

Dove Medical Press, Auckland, New Zealand

Editorial Staff: Faculty of 1,000 Medicine	2008-2012
Editor-In-Chief: <u>Pain.Com</u> monthly review of pain articles	2004-2011
Editorial Board: <i>World Journal of Anesthesiology</i>	2011-present
Editorial Staff: Southern Medical Journal (Reviewer)	2011-present
Editorial Staff: Expert Opinion of Investigational Drugs (Reviewer)	2011-present
Editorial Staff: Neuromodulation (Reviewer)	2011-present
Editorial Board: Spine Journal	2012-present
Editorial Board: World Journal of Anesthesiology	2012-present
Editorial Reviewer: British Medical Journal	2014-present

COMMITTEES

INSTITUTIONAL REVIEW BOARD LOYOLA UNIVERSITY: Committee Member; appointed August 2005

SOCIETY FOR PAIN PRACTICE MANAGEMENT: Leawood, KS, Cadaver Course Director; 2006-Present

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Subcommittee on Chronic and Cancer Pain: Elected 2007-2009

AMERICAN SOCIETY OF REGIONAL ANESTHESIA: Gaston Labat Award Committee: 2007-Present

AMERICAN SOCIETY OF REGIONAL ANESTHESIA: Meeting Program Chairman Spring 2008 Meeting; Playa del Carmen, Mexico.

AMERICAN SOCIETY OF REGIONAL ANESTHESIA: Meeting Program Chairman Fall 2008 Meeting; Huntington Beach, CA.

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Subcommittee on Regional Anesthesia and Acute Pain: Elected 2009-2010

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Committee on Pain Medicine: Elected 2008-2010

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Committee on Pain Medicine: Elected 2012-2013

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Abstract Review Subcommittee on Chronic and Cancer Pain: Elected 2012-2013

AMERICAN SOCIETY OF ANESTHESIOLOGISTS: Abstract Review Subcommittee on, Regional Anesthesia and Acute Pain: Elected 2012-2013

ADVOCATE ILLINOIS MASONIC MEDICAL CENTER: Procedural Sedation Committee;
Chairman; 2010-Present

AWARDS

Bruce L. Cherkala, M.D.: *Outstanding Researcher*
U of I @ Chicago: Anesthesiology 1987-1988

Bruce L. Cherkala, M.D.: *Outstanding Researcher*
U of I @ Chicago: Anesthesiology 1988-1989

Outstanding Attending Physician and Teacher.
Cook County Hospital, Department of Anesthesiology 1999-2000

Outstanding Attending Physician and Teacher.
Cook County Hospital, Department of Anesthesiology 2000-2001

Golden Apple Award (CA-3): Outstanding Teacher:
Northwestern University, Department of Anesthesiology 2002-2003

Elected Fellow: **Institute of Medicine of Chicago** 3/27/03

Awarded: Program Chairman Plaque; **ASRA Annual Spring Meeting** 5/04/08
Awarded: Program Chairman Plaque; **ASRA Annual Fall Meeting** 11/21/08

Elected Member: **Association of University Anesthesiologists** 7/01/08

Physician MVP Award: **Advocate Illinois Masonic Medical Center** 6/24/09
Physician MVP Award: **Advocate Illinois Masonic Medical Center:** Year 2009
Chairman: Illinois Society of Anesthesiologists / Midwest Anesthesia
Conference 11/13/10

Illinois **People's Choice Award:** Favorite Physician 2008

Illinois **People's Choice Award:** Favorite Physician 2009

Illinois **People's Choice Award:** Favorite Physician 2010

Illinois **People's Choice Award:** Favorite Physician 2011

Illinois **People's Choice Award:** Favorite Physician 2012

AHC **Research Forum Day** at AIMMC: First Place Award: Research 5/10/11

The Alon P. Winnie Honorary Lecture Award (Dannemiller) 6/28/13

CLINICAL TRIALS

- Conducted over 100 multicenter clinical trials (phases I-IV) as Principal Investigator or Sub-Investigator in the area of anesthesiology, regional anesthesia and pain management
- Collaborated with Quintiles, INC Research, Parexel, PPD, PRA, I3, ICON, Kendle, PSI, Inventivhealth, Pfizer, AstraZeneca, Biogen, Covidien, Purdue, Mallincrodt, St. Jude Medical, Boston Scientific, Novo Nordisk, Novartis, Merck-Sharp-Dome, Takeda, Abbott, Bristol-Myers, Eisai, Glaxo-Smith-Kline, Sanofi-Aventis, Bayer, Teijin, Cubist, Endo Pharmaceuticals, Depomed, etc.

SCIENTIFIC PRESENTATIONS // INVITED LECTURES // CME COURSES GIVEN

1. "*Monoclonal anti-Clq Binding Immune Complexes and Hypocomplementemia in AIDS.*" **Poster** Presentation: Third Annual International Conference on AIDS, Washington, D.C., June 1987.
2. "*A Complete Regional Anesthesia Technique for Cardiac Pacemaker Insertion.*" **Oral** Presentations: Midwest Anesthesia Resident's Conference (MARC), Chicago, IL, April 1988.
3. "*pH Adjusted Mepivacaine for Upper Extremity Surgery.*" **Poster** Presentation: MARC Meeting, Chicago, IL, April 1988.
4. "*pH Adjusted Bupivacaine for Lower Extremity Surgery.*" **Poster** Presentation: MARC Meeting, Chicago, IL, April 1988.
5. "*pH Adjusted Mepivacaine for Lower Extremity Surgery.*" **Poster** Presentation: MARC Meeting, Chicago, IL, April 1988.
6. "*A Complete Regional Anesthesia Technique for Cardiac Pacemaker Insertion.*" **Oral** Presentation: American Society of Anesthesiologists (ASA) Annual Meeting, San Francisco, CA, October 1988.
7. "*The Use of Ropivacaine for Brachial Plexus Anesthesia.*" **Oral** Presentation. Hospital for Special Surgery Department of Anesthesiology Grand Rounds, New York, NY, January 1989.
8. "*Ropivacaine 0.5% for Brachial Plexus Block.*" **Oral** Presentation: American Society of Regional Anesthesia (ASRA) Annual Meeting, Boston, MA, April 1989. "*pH Adjusted Mepivacaine for Lower Extremity Surgery.*" **Poster** Presentation: ASRA Annual Meeting, Boston, MA, April 1989.
9. "*pH Adjusted Mepivacaine for Upper Extremity Surgery.*" **Poster** Presentation: ASRA Annual Meeting, Boston, MA, April 1989.

10. "*pH Adjusted Bupivacaine for Lower Extremity Surgery.*" **Poster** Presentation: ASRA Annual Meeting, Boston, MA, April 1989.
11. "*New Frontiers in Obstetric Pain Management.*" **Oral** Presentation: Lenox Hill Hospital Obstetric Department Distinguished Lecture Series. New York, NY, May 1991, 1994, 1996.
12. "*Post-Operative Pain Management.*" **Oral** Presentation: Lenox Hill Hospital Surgery Department Distinguished Lecture Series. New York, NY, December 1991.
13. "*Intra- and Post-Operative Pain Management.*" **Oral** Presentation: Lenox Hill Hospital Surgery Department Distinguished Lecture Series. New York, NY, May 1992.
14. "*Continuous Plexus Blocks for the Trauma Patient.*" **Oral** Presentation: Chicago Medical Society Midwest Clinical Conference, February 1999.
15. "*Continuous Lower Extremity Plexus Anesthesia for the Trauma Patient.*" **Oral** Presentation: ITACCS 1999 Annual Meeting, Chicago, IL.
16. "*Buprenorphine for Post-Operative Pain Management Following Out-Patient Upper Extremity Surgery.*" **Poster** Presentation: ASRA Annual Meeting, Orlando, FL, April 2000. (Presented by M.A. Khan at MARC, 1999, Columbus, Ohio, 1st place Oral; and by M.A. Khan at SAMBA, 2000, Washington, D.C., 1st place Poster).
17. "*Interventional Pain Management*". **Oral** Presentation: Rush Medical College; Seminar on Pain Management in Addictive Disorders. October 24, 2001.
18. "*Pain Management for Scoliosis and Spinal Deformity*". **Oral** Presentation: Northwestern Memorial Hospital. Seminar at Northwestern Scoliosis and Spinal Deformity Support Group. (Medtronic Sponsored). March, 2002.
19. "*Epidural Postoperative Pain Management for Vascular Surgery*". **Oral** Presentation. Northwestern University Medical School/Department of Surgery Grand Rounds. April 16, 2002.
20. "*Bradycardia and Hypotension Associated with Spinal Anesthesia*". **Oral** Presentation. Northwestern University/Feinberg School of Medicine Anesthesiology Grand Rounds. April, 2002.
21. "*The Endless Variations of Supraclavicular Brachial Plexus Block*". **Oral** Presentation. American Society of Regional Anesthesia Annual Meeting. Chicago, IL, April 2002.
22. "*Combined Spinal-Epidural Anesthesia for Surgery and Obstetrics*" **Oral** Presentation. Northwestern University/Feinberg School of Medicine Anesthesiology Grand Rounds. September 6, 2002.
23. "*The Infragluteal-Parabiceps Approach to Sciatic Nerve Block-Effect of Evoked Motor Response on Latency and Success Rate of Block*" **Oral** Presentation. American Society of Anesthesiologists Annual Meeting. Orlando, FL. October, 2002.
24. "*Reflex Sympathetic Dystrophy: A Case Presentation and Discussion*". **Oral** Presentation. Illinois State Society of Anesthesiologists Annual Meeting. Oak Brook, IL., November, 10, 2002.

25. "*Sciatic Nerve Block, Saphenous Nerve Block, Ankle Block.*" **Oral** Presentation/Workshop. American Society of Regional Anesthesia Annual Meeting. San Diego, CA, April, 2003.
26. "*Central Neuraxial Blockade in the Patient Taking Anticoagulants.*" **Oral** Presentation/Case Discussion. American Society of Regional Anesthesia Annual Meeting. San Diego, CA, April, 2003.
27. "*Update on Peripheral Nerve Blocks.*" **Oral** Presentation. Midwest Anesthesia Conference Annual Scientific Meeting & Exhibition. Chicago, IL, May 2, 2003.
28. "*Differential Neural Blockade for Diagnosis of Pain Mechanisms.*" **Oral** Presentation. Dannemiller Memorial Education Foundation Intensive Review of Pain Management. Chicago, IL. September 7, 2003.
29. "*Intrathecal and Epidural Neurolysis for Management of Cancer Pain.*" **Oral** Presentation. Dannemiller Memorial Education Foundation Intensive Review of Pain Management., Chicago, IL, September 9, 2003.
30. "*Complex Regional Pain Syndrome.*" **Oral** Presentation. Dannemiller Memorial Education Foundation Intensive Review of Pain Management. Chicago, IL, September 10, 2003.
31. "*Acute Herpes Zoster and Postherpetic Neuralgia.*" **Oral** Presentation. Dannemiller Memorial Education Foundation Intensive Review of Pain Management. Chicago, IL. September 10, 2003.
32. "*Neurostimulation Assisted Femoral Nerve Block (FNB): Anatomical Indicators for Seeking the Optimal Motor Response.*" **Oral** Presentation. American Society of Anesthesiologists Annual Meeting. San Francisco, CA, October 14, 2003.
33. "*Brief Review of Cardiovascular Complications Following Epidural Anesthesia.*" **Oral** Presentation. Northwestern University/Feinberg School of Medicine Department of Anesthesiology Grand Rounds. Chicago, IL, December 5, 2003.
34. "*Update on Peripheral Nerve Block Techniques of the Upper and Lower Extremities.*" **Oral** Presentation. University of Illinois Department of Anesthesiology Grand Rounds. Chicago, IL., December 8, 2003.
35. "*Complex Regional Pain Syndrome.*" **Oral** Presentation. Dannemiller Memorial Education Foundation 14th Annual Review of Pain. January 17, 2004, Scottsdale, AZ. "*The Use of Steroids in the Management of Pain.*" **Oral** Presentation. Dannemiller Memorial Education Foundation 14th Annual Review of Pain. Scottsdale, AZ., January 18, 2004.
36. "*Intrathecal and Epidural Neurolysis for Managing Cancer Pain.*" **Oral** Presentation. Dannemiller Memorial Education Foundation 14th Annual Review of Pain. Scottsdale, AZ., January 19, 2004.
37. "*Interscalene and Intersternocleidomastoid Brachial Plexus Blocks.*" **Oral** Presentation. American Society of Regional Anesthesia (ASRA) Annual Meeting. Orlando, FL., March 12, 2004.

38. "*Steroids for Interventional Pain Management*". **Oral** Presentation. Society for Pain Practice Management. Scottsdale, AZ., March 18, 2004.
39. "*Interventional Pain Practice Techniques*" **Oral** Presentation. Society for Pain Practice Management. Boston, MA, July 16, 2004.
40. "*Peripheral Nerve Block Techniques for Upper and Lower Extremity Surgery*". **Oral** Presentation. Northwestern University/Feinberg School of Medicine Department of Anesthesiology Grand Rounds. Chicago, IL., August 6, 2004.
- 41.-47.: Lectures at the Dannemiller Intensive Review of Pain Management Course: **Oral** Presentations: Topics: *Complex Regional Pain Syndrome; Differential Neural Blockade as a Diagnostic Tool in Pain Management; The Use of Steroids in Pain Management; Subarachnoid Neurolytic Blocks for The Management of Cancer Pain; Acute Herpes Zoster and Postherpetic Neuralgia*; Chicago, IL., August 28-September 2, 2004.
48. "*Neurologic Complications following Interscalene Brachial Plexus Block for Shoulder and Upper Extremity Surgery.*" **Oral** Presentation: American Society of Anesthesiologist's Annual Meeting. Las Vegas, NV. (A-1120), October 26, 2004.
49. "*Neuropathic Pain States Including Complex Regional Pain Syndrome.*" **Oral** Presentation: St. Louis University (SLU) Medical College Department of Anesthesiology Grand Rounds. St. Louis, MO., December 15, 2004.
50. "*The Use of Steroidal Medications for Interventional Pain Management.*" **Oral** Presentation: Loyola University Pain Grand Rounds. Maywood, IL, January 13, 2005.
- 51.-56.: Lectures at The Dannemiller Intensive Review of Pain Management Course: **Oral** Presentations: Topics: *Regional Anesthetic Techniques for the Pain Specialist; Steroids for Pain Management; Complex Regional Pain Syndrome; Herpes Zoster and Postherpetic Neuralgia; Differential Neural Blockade for Pain Diagnoses; Intrathecal and Epidural Neurolysis for Cancer Pain*; Scottsdale, AZ., January 15-19, 2005.
57. "*Herpes Zoster and Postherpetic Neuralgia.*" **Oral** Presentation: Loyola University Pain Grand Rounds. Maywood, IL., January 27, 2005.
58. "*RSD and Complex Regional Pain Syndrome.*" **Oral** Presentation: Loyola University Pain Grand Rounds. Maywood, IL., February 10, 2005.
59. "*Regional Blocks for the Management of Pain of the Extremities.*" **Oral** Presentation: Loyola University CA-3 weekly lecture series. Maywood, IL., February 15, 2005.
60. "*How to Use Steroids in Your Pain Practice.*" **Oral** Presentation: Society for Pain Practice Management (SPPM). Scottsdale, AZ., March 15, 2005.
61. "*Neurolytic Blocks for Cancer Pain Management.*" **Oral** Presentation: Loyola University Pain Grand Rounds. Maywood, IL. , March 24, 2005.
- 62.-67.: Lectures for Northwest Anesthesia Seminars: "Winning Topics in Anesthesia": **Oral** Presentations: Topics: *How to Make Regional Anesthesia of the Upper Extremity Work; How to Make Regional Anesthesia of the Lower Extremity Work; Herpes Zoster and Postherpetic Neuralgia; Reflex Sympathetic Dystrophy; Neurolytic Blocks in Pain Management; Steroids in Pain Management*, Las Vegas, NV., April 12-15, 2005.

68. "Twelve Questions That Form the Foundation of The Pain History Evaluation Process". **Oral** Presentation: Loyola University Pain Grand Rounds. Maywood, IL., May 5, 2005.
69. "Regional Anesthesia of the Upper and Lower Extremities". **Oral** Presentation: Midwest Anesthesia Conference (MAC). Chicago, IL. , May 20, 2005.
70. "Update on Peripheral Nerve Block Techniques for Upper and Lower Extremity Surgery". **Oral** Presentation: Grand Rounds; Department of Anesthesiology, Loyola University-Stritch School of Medicine, Maywood, IL., June 1, 2005.
71. "Sympathetically-Mediated Pain States". **Oral** Presentation: Grand Rounds; Department of Physical Medicine and Rehabilitation, Loyola University-Stritch School of Medicine, Maywood, IL., June 14, 2005.
- 72.-74. Lectures for The St. Louis University Anesthesia Review. St. Louis, MO. **Oral** Presentations. Topics: "Postoperative Care of the Surgical Patient", "Regional Block Techniques for Upper Extremity Surgery", "Regional Block Techniques for Lower Extremity Surgery". June 20, 2005.
- 75.-78. Lectures for the Northwest Anesthesia Seminars Meeting. Chicago, IL. **Oral** Presentations. Topics: "Making Regional Anesthesia of the Upper Extremity Work", "Making Regional Anesthesia of the Lower Extremity Work", "Steroids and Pain Management", "Herpes Zoster and Post-Herpetic Neuralgia"., July 9-10, 2005.
- 79.-80. "Pharmacology of Local Anesthetics"; "Toxicity of Local Anesthetics". **Oral** Presentations and Examination. CA-1 Orientation Lecture Series. Loyola University, Department of Anesthesiology, Maywood, IL. , July 21, 2005.
81. "Nociceptive Pain: Diagnosis and Treatment". **Oral** Presentation. Grand Rounds; Department of Anesthesiology/Pain Management. Loyola University, Maywood, IL., July 21, 2005.
- 82.-89. Lectures for The Dannemiller Memorial Education Foundation Pain Board Review Course (Also, Served as **Course Co-Director**). August 27-31, 2005, Chicago, IL. **Oral** Presentations. Topics: "Nociceptive Pain", "Sympathetic Nervous System Pain", "Trauma and Surgical Pain Management", "Pelvic Pain-Diagnosis and Management", "Steroids for Pain Management", "Spinal and Epidural Blocks", "Regional Anesthesia of the Upper Extremity", "Regional Anesthesia of the Lower Extremity".
- 90.-91. "Use of Steroids in Interventional Pain Management", "Regional Anesthesia for Managing Pain of the Upper and Lower Extremities". **Oral** Presentations. Society for Pain Practice Management (SPPM). November 12 & 13, 2005, St. Louis, Mo.
- 92.-95. "Interventional Pain Management-An Overview", "Controversies in the Use of Steroids for Pain Management Including Transforaminal vs. Interlaminar Injection Techniques", "Regional Blocks for Upper Extremity Pain", "Regional Blocks for Lower Extremity Pain". **Oral** Presentations. Dannemiller Memorial Education Foundation 16th Annual Review of Pain Management. Also-**Course Co-Director**. Scottsdale, AZ, January 13-15, 2006,
96. "Pain Management of the Extremities Using Regional Block Techniques". **Oral** Presentation. Loyola University Department of Anesthesiology CA-3 Lectures.

Maywood, IL. January 24, 2006.

97. "*How to Use Steroids for Interventional Pain Management*". **Oral** Presentation. Loyola University Department of Anesthesiology Grand Rounds Lectures. Maywood, IL. February 8, 2006.
98. "*Epidural Anesthesia*". **Oral** Presentation. Loyola University Department of Anesthesiology CA-1 Lecture Series. Maywood, IL. March 9, 2006.
99. "*Integrating Regional Anesthesia into Acute Pain Management*". **Oral** Presentation. American Society of Regional Anesthesia (ASRA) Annual Meeting. Palm Springs, CA. April 6, 2006. (**Refresher Course Lecture**)
100. "*Panel Discussion on Spinal Anesthesia in Outpatients*". **Oral** Presentation. ASRA Annual Meeting. Palm Springs, CA. April 7, 2006.
101. "*Regional vs. General Anesthesia for Hip Fracture Surgery*". **Oral** Presentation. ASRA Annual Meeting. Palm Springs, CA. April 8, 2006.
102. "*Update on Regional Anesthesia for Upper Extremity Surgery*." **Oral** Presentation. Northwest Anesthesia Seminars, International Trauma Anesthesia and Critical Care Society (ITAACCS) Meeting. Cozumel, Mexico. April 23-28, 2006.
103. "*Update on Regional Anesthesia for Lower Extremity Surgery*." **Oral** Presentation. ITAACCS Meeting. Cozumel, Mexico. April 23-28, 2006.
104. "*Trauma Pain Management*". **Oral** Presentation. ITAACCS Meeting, Cozumel, Mexico. April 23-28, 2006.
105. "*Intensive Review of Spinal and Epidural Block*". **Oral** Presentation. ITAACCS Meeting, Cozumel, Mexico. April 23-28, 2006.
106. "*Local Anesthetic Pharmacology*". **Oral** Presentation. Loyola University Department of Anesthesiology CA-1 Lecture Series. Maywood, IL. June 8, 2006. "*Steroids for Pain Management*". **Oral** Presentation. Northwest Anesthesia Seminars (NWAS). Chicago, IL., June 29, 2006.
107. "*Complex Regional Pain Syndrome*". **Oral** Presentation. NWAS Meeting. Chicago, IL., June 29, 2006.
108. "*Sympathetic Nervous System Pain*". **Oral** Presentation. NWAS Meeting. Chicago, IL., June 29, 2006.
109. "*Interscalene and Infraclavicular Brachial Plexus Blocks*". **Oral** Presentation. NWAS Meeting. Chicago, IL., July 1, 2006.
110. "*Neurologic Complications of Interscalene Brachial Plexus Blocks*". **Oral** Presentation. NWAS Meeting. Chicago, IL., July 1, 2006.
111. "*Spinal and Epidural Block*". **Oral** Presentation. NWAS Meeting. Virginia Beach, VA., August 3, 2006.
112. "*Combined Spinal-Epidural Block*". **Oral** Presentation. NWAS Meeting. Virginia Beach, VA., August 3, 2006.

113. "*Regional Anesthesia for Arm Surgery*". **Oral** Presentation. NWS Meeting. Virginia Beach, VA., August 3, 2006.
114. "*Regional Anesthesia for Leg Surgery*." **Oral** Presentation. NWS Meeting. Virginia Beach, VA., August 3, 2006.
115. "*Steroids in Pain Management*". **Oral** Presentation. NWS Meeting. Virginia Beach, VA., August 3, 2006.
116. "*Celebrex for Acute Pain Management*". **Oral** Presentation. Pfizer Sponsored Meeting for Orthopaedic Surgery Residents. Chicago, IL., August 24, 2006.
- 117-124. "*Nociceptive Pain*", "*Sympathetic Pain Mechanisms*", "*Trauma Pain Management*", "*Pelvic Pain Anatomy*", "*Pelvic Pain Diagnosis and Treatment*", "*Steroids for Pain Management*", "*Upper Extremity Regional Anesthesia for Pain Management*", "*Lower Extremity Pain Management*", "*Spinal and Epidural Block*". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Review of Pain Management and Board Review Course (**Course Co-Director**). Chicago, IL., August 26 –August 30, 2006.
125. "*Regional Blocks for Pain Management*". **Oral** Presentation. Loyola University Department of Anesthesiology CA-3 Lecture Series. Maywood, IL., September 5, 2006.
126. "*Integrating Regional Anesthesia into the Acute Pain Service*". **Oral** Presentation. Grand Rounds Invited Professorship Lecture. Hospital for Special Surgery, New York, N.Y., September 14, 2006.
127. "*Journal Club Moderator: Friday Morning HSS Journal Club*". **Oral** Presentation. Hospital for Special Surgery, New York, N.Y., September 15, 2006.
128. "Case Presentation and Discussion: *Cervical Radiculopathy*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO. Also-**Course Director**. September 28, 2006.
129. "Case Presentation and Discussion: *Internal Disc Disruption*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO., September 28, 2006.
130. "Case Presentation and Discussion: *Vertebral Compression Fracture*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO., September 29, 2006.
131. "Case Presentation and Discussion: *Metastatic Spinal Lesion*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO., September 29, 2006.
132. "Case Presentation and Discussion: *Cauda Equina Syndrome*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO., September 29, 2006.
133. "*Radiofrequency Techniques: Theory and Practice*". **Oral** Presentation. Society for Pain Practice Management, Kansas City, MO., October 1, 2006.
134. "*Transforaminal and Midline Epidural Steroid Injections: Indications, Techniques, and Controversies*". **Oral** Presentation. American Society of Regional Anesthesia Annual Fall Pain Meeting, San Francisco CA., November 19, 2006.

134. "*Epidural Block for Surgery and Pain Management*". **Oral** Presentation. Loyola University Department of Anesthesiology CA-1 Lecture, Maywood, IL. January 25, 2007.
135. "*Integrating Regional Anesthesia into Postoperative Pain Management*". **Oral** Presentation. Illinois Masonic Medical Center Department of Anesthesiology Invited Grand Rounds Lecture, Chicago, IL., February 20, 2007.
136. "*Radiofrequency Ablation*". **Oral** Presentation. Stryker Interventional Pain Cadaver Course and Didactic Session, Chicago, IL. Also-**Course Director**. March 10, 2007.
137. "*Advanced Techniques of Interventional Pain Management*". **Oral** Presentation. SPPM Annual Meeting, Scottsdale AZ. Also-**Course Director**. March 14, 2007.
138. "*Transforaminal vs. Interlaminar Epidural Steroid Injections*". **Oral** Presentation. Society for Pain Practice Management Annual Meeting, Scottsdale AZ. March 16, 2007.
139. "*Radiofrequency Use in Interventional Pain Management*". **Oral** Presentation. University of Cincinnati College of Medicine, Cincinnati OH. Also-**Course Director**. March 17, 2007.
140. "*Non-Opioid Analgesics For Perioperative Pain Control: A Multimodal Approach*". **Oral** Presentation. Loyola University Medical Center Pain Management Committee Meeting, Maywood, IL. March 27, 2007.
141. "*Managing Regional Anesthetic-Related Complications*". **Oral** Presentation. American Society of Regional Anesthesia Annual Meeting, Vancouver, April 19, 2007. (**Refresher Course Lecture**)
142. "*Brachial Plexus Blocks Below the Clavicle*". **Oral** Presentation and Workshop. ASRA Annual Meeting, Vancouver, April 19, 2007.
143. "*Continuous Nerve Blocks/Upper Extremity*". **Oral** Presentation and Workshop. ASRA Annual Meeting, Vancouver, April 19, 2007.
144. "*Thoracic Epidural Blocks*". **Oral** Presentation and Workshop. ASRA Annual Meeting, Vancouver, April 20, 2007.
145. "*Regional Blockade: Neuraxial Anatomy and Spinal and Epidural Analgesia*". **Oral** Presentation. ASRA Annual Meeting, Vancouver, April 20, 2007.
146. "*Brachial Plexus Blocks Above the Clavicle*". **Oral** Presentation and Workshop. ASRA Annual Meeting, Vancouver, April 21, 2007.
147. "Techniques and Approaches in Regional Anesthesia" (**Moderator**). ASRA Annual Meeting, Vancouver, April 22, 2007.
148. "*Local Anesthetic Pharmacology*". **Oral** Presentation. Loyola University Medical Center Department of Anesthesiology CA-I Lecture. Maywood, IL, April 26, 2007.
149. "*Managing Regional Anesthesia Related Complications.*" **Oral** Presentation. Loyola University Medical Center Department of Anesthesiology Grand Rounds Lecture. Maywood, IL, May 2, 2007.
- 150-157. Lectures of the Baylor College of Medicine via Northwest Anesthesia Seminars Lecture Series. **Oral** Presentations (8): "*Upper Extremity Regional Anesthesia*"; "*Lower*

Extremity Regional Anesthesia"; *"Spinal and Epidural Block"*; *"Combined-Spinal-Epidural Block"*; *"Cardiovascular Complications of Epidural Block"*; *"Managing Regional Anesthesia-Related Complications"*; *"Herpes Zoster and Postherpetic Neuralgia"*; *"Steroids for Pain Management"*. Atlanta, GA, May 3-6, 2007.

- 158-165. Lectures of the Baylor College of Medicine via Northwest Anesthesia Seminars Lecture Series. **Oral** Presentations (8): *"Making Upper Extremity Brachial Plexus Block Work in Your Practice"*; *"Making Lower Extremity Regional Anesthesia Work in Your Practice"*; *"Complex Regional Pain Syndrome"*; *"Steroid Use in Pain Management"*; *"Combined Spinal-Epidural Block for Surgery and Obstetrics"*; *"Cardiovascular Complications of Epidural Block"*; *"Hypotension and Bradycardia after Epidural Block"*; *"Epidural Block for Vascular Surgery"*. Anaheim, CA, June 25-28, 2007.
166. "Radiofrequency: Theory and Practice." **Oral** Presentation. Medical College of Wisconsin Department of Pain Management Conference and Cadaver Workshop. Also **Course Director**. Waukesha, WI, July 21, 2007.
167. "Local Anesthetic Pharmacology." **Oral** Presentation. Loyola University Medical Center Department of Anesthesiology CA-1 Lecture Series. Maywood, IL, August 16, 2007.
168. "Radiofrequency Fundamentals for Interventional Pain Physicians." **Oral** Presentation. Loyola University Medical Center Pain Management Grand Rounds. Maywood, IL, August 16, 2007.
169. "Discography: Theory and Practice." **Oral** Presentation. Loyola University Medical Center Pain Management Grand Rounds. Maywood, IL, August 23, 2007.
- 170-180. "Nociceptive Pain; Sympathetic Nervous System Pain Management; Trauma Pain Management; Pelvic Pain Anatomy; Pelvic Pain Treatment; Steroids for Pain Management; Upper Extremity Pain Management; Lower Extremity Pain Management; Head and Neck Nerve Blocks for Pain Management; Spinal and Epidural Block for Pain Management." **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Review of Pain Management and Board Review Course. Also served as **Course Co-Director**. Chicago, IL, August 26-33, 2007.
181. "Nerve Blocks of the Head and Neck for Chronic Pain Management". **Oral** Presentation. Loyola University Department of Pain Management Grand Rounds Lecture. Maywood, IL, September 6, 2007.
- 182-186. "Interventions for Pain of the Head and Neck; Case Studies: Head and Neck Pain; Provocation Manometric Discography: Role in Discogenic Pain Diagnosis; Case Studies in Low Back Pain; Radiofrequency: Theory and Practice." **Oral** Presentations. Society for Pain Practice Management Cadaver Course. Also served as **Course Director**. Hilton Head, SC, September 26-30, 2007.
187. "Acute Pain Service: From PCEA to PCRA." Moderator and Panel Discussion. **Oral** Presentation. American Society of Anesthesiologists Annual Meeting. San Francisco, CA, October 17, 2007.
188. "Integrating Regional Anesthesia into Postoperative Pain Management". **Oral** Presentation. Alexian Brothers Hospital Network CME Consortium: The Second Annual

Pain Management Symposium: War on Pain. Hoffman Estates, IL, October 27, 2007.

189. "*Epidural Analgesia*". **Oral** Presentation. Loyola University Medical Center Department of Anesthesiology CA-1 Lecture Series. Maywood, IL, November 1, 2007.
190. "*The Acute Pain Service: Setting it up Right*". **Oral** Presentation. Loyola University Medical Center Department of Anesthesiology Pain Management Grand Rounds. Maywood, IL, November 1, 2007.
191. "*Ultrasound Guided Femoral Nerve Blocks*". **Oral** Presentation and Live Model Workshop Demonstration. Illinois Society of Anesthesiologists Annual Meeting. Chicago, IL, November 2, 2007.
192. "*Ultrasound Guided Sciatic and Femoral Nerve Blocks*". **Oral** Presentation and Live Model Workshop Demonstration. Illinois Society of Anesthesiologists Annual Meeting. Chicago, IL, November 3, 2007.
193. "*The Acute Pain Service: Setting it up Right*." **Oral** Presentation. Illinois Society of Anesthesiologists Annual Meeting. Chicago, IL, November 3, 2007.
194. "*Zygapophyseal Joint Pain: Chronic Head and Neck Pain*." **Oral** Presentation. American Society of Regional Anesthesia Annual Meeting. (ASRA) Boca Raton, FL, November 15, 2007.
195. "*Atlanto-Axial and Atlanto-Occipital Joint Pain Workshop*". **Oral** Presentation and Session Moderator. ASRA Annual Meeting. Boca Raton, FL, November 15, 2007.
196. "*Neurolytic Agents for Cancer Pain*." Problem-Based Learning Discussion/**Oral** Discussion. ASRA Annual Meeting. Boca Raton, FL, November 15, 2007.
197. "Workshop: Discography, Intradiscal Procedures/**Oral** Discussion". ASRA Annual Meeting. Boca Raton, FL, November 16, 2007.
198. "Workshop: Celiac Plexus Block, Splanchnic Nerve Block, Lumbar Sympathetic Block/**Oral** Presentation." ASRA Annual Meeting. Boca Raton, FL, November 16, 2007.
199. "*Failed-Spine Surgery Syndrome*". Problem-Based Learning Discussion/**Oral** Presentation. ASRA Annual Meeting. Boca Raton, FL, November 16, 2007.
200. "*Neurolytic Agents for Pain Management*". **Oral** Presentation and Session Moderator. ASRA Annual Meeting. Boca Raton, FL, November 17, 2007.
201. "*The Use of Non-Steroidal Antiinflammatory Medications for Perioperative Pain Control*". **Oral** Presentation. Loyola University Department of Anesthesiology Pain Grand Rounds. Maywood, IL, December 6, 2007.
202. "*Brachial Plexus Blocks: Update and the Year in Review*". **Oral** Presentation. NYSORA (New York School of Regional Anesthesia) Annual Meeting. New York, N.Y., December 15, 2007.
203. "*Peripheral Nerve Block Techniques of the Lower Extremity*". **Oral** Presentation and Live Model Demonstration. NYSORA Annual Meeting. New York, N.Y., December 16, 2007.

204. "*Brachial Plexus Blocks For Upper Extremity Surgery: Update for 2007*". **Oral** Presentation. Loyola University Department of Anesthesiology Pain Grand Rounds. Maywood, IL, December 20, 2007.
205. "*Spinal Anesthesia for Surgery*". **Oral** Presentation. Loyola University Department of Anesthesiology CA-1 Lecture Series. Maywood, IL, January 24, 2008.
206. "*Multi-Modal Analgesia in the Perioperative Period*". **Oral** Presentation. Illinois Masonic Medical Center Department of Internal Medicine Grand Rounds. Chicago, IL, February 13, 2008.
207. "*Brachial Plexus Blocks: An Update and Review of the Literature*". **Oral** Presentation. Rush Presbyterian St. Luke's Medical Center Department of Anesthesiology **Grand Rounds Presentation**. Chicago, IL, February 27, 2008.
208. "*Update on Brachial Plexus Anesthesia*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Lecture Series. Chicago, IL, February 28, 2008.
209. "*Epidural Steroid Injections: Interlaminar vs. Transforaminal: Resolving the Controversies*". **Oral** Presentation. Society for Pain Practice Management. 21st Annual 2-Day Interventional Anatomical Course. Also served as **Course Director**. Phoenix, AZ, March 6-7, 2008.
210. "*Use of Steroids for Interventional Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Lecture Series. Chicago, IL, April 9, 2008.
211. "*Spinal Anesthesia: Theory and Practice*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Lecture Series. Chicago, IL, April 24, 2008.
212. "*Brachial Plexus Blocks above the Clavicle*". **Oral** Presentation and Workshop. American Society of Regional Anesthesia (ASRA) Annual Meeting. Cancun, Mx, May 1, 2008. (Also served as **Meeting Chairman**).
213. "*Femoral, Lateral Femoral Cutaneous Nerve and Obturator Nerve Block*". **Oral** Presentation and Workshop. ASRA Annual Meeting. Cancun, Mx, May 2, 2008. (Also served as **Meeting Chairman**).
214. "*Upper Extremity Blocks for Surgery*". **Oral** Presentation. Dannemiller Memorial Education Foundation Annual Meeting. Chicago, IL, May 6, 2008.
215. "*Lower Extremity Blocks for Surgery*". **Oral** Presentation. Dannemiller Memorial Education Foundation Annual Meeting. Chicago, IL, May 6, 2008.
216. "*Radiofrequency in Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Lecture Series. Chicago, IL, May 14, 2008. "*Upper Extremity Blocks for Surgery*". **Oral** Presentation. Dannemiller Memorial Education Foundation Annual Meeting. Chicago, IL, May 6, 2008.
217. "*Upper Extremity Blocks for Surgery*". **Oral** Presentation. Dannemiller Memorial

- Education Foundation Annual Meeting. San Antonio TX, June 10, 2008.
218. "*Lower Extremity Blocks for Surgery*". **Oral** Presentation. Dannemiller Memorial Education Foundation Annual Meeting. San Antonio TX, June 10, 2008.
219. "*Brachial Plexus Blocks for Upper Extremity Surgery*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. June 24, 2008.
220. "*Ultrasound for Nerve Blocks*". **Oral** Presentation and Workshop Moderator. Sonosite Medical Innovations Series 2008. Chicago, IL. June 26, 2008.
221. "*Spinal Anesthesia for Surgery*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology CA-1 Lecture Series. Chicago, IL. July 27, 2008.
222. "*Vertebroplasty and Spinal Cord Stimulation: Two Case Discussions*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. August 5, 2008.
- 223-233. "*Trauma Pain Management*"; "*Sympathetic Nervous System Pain*"; "*Nociceptive Pain*"; "*Pelvic Pain: Anatomy and Physiology*"; "*Pelvic Pain Management*"; "*Steroids for Use in Interventional Pain Management*"; "*Upper Extremity Block in Pain Management*"; "*Lower Extremity Block in Pain Management*"; "*Head and Neck Blocks for Managing Pain*"; "*Spinal and Epidural Blocks: Basic Science and Clinical Considerations*". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Pain Board Review Course. Also served as **Course Co-Director** Chicago, IL. August 22-28, 2008.
234. "*Reflex Sympathetic Dystrophy and Complex Regional Pain Syndrome*". **Oral** Presentation. Workers' Compensation Lawyers Association 2008 Medical Seminar Meeting. Chicago, IL. September 26, 2008.
235. "*Radiofrequency Techniques-Basic and Clinical Science*". **Oral** Presentation. Also: Cadaver Workshop: **Program Director**. Hinsdale Orthopaedic Center. Hinsdale, IL., September 27, 2008.
236. "*Should Epidural Catheter Removal Carry the Same Scrutiny as Insertion*"? Pro-Con. **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. September 30, 2008.
- 237-238. "*Case Studies-Cervical Spine*". "*Case Studies-Lumbar Spine*". **Oral** Presentations. Also served as **Course Director**, Anatomical Cadaver Workshops. Society for Pain Practice Management. Kansas City, MO., October 2-5, 2008.
239. "*Pelvic Pain-The Interventionalist's Perspective*". **Oral** Presentation/Invited Guest Lecture. Advocate Illinois Masonic Medical Center Department of Obstetrics & Gynecology Grand Rounds. Chicago, IL. October 14, 2008.
240. "*Successful Pulsed Radiofrequency of the Lateral Femoral Cutaneous Nerve after Multiple blocks for Meralgia Paresthetica*". **Poster & Oral** Presentation. American Society of Anesthesiologists' Annual Meeting. Orlando, FL., October 20, 2008.
241. "*Bilateral Infraclavicular Block for Bilateral Upper Extremity Fractures*". **Poster & Oral**

- Presentation. American Society of Anesthesiologists' Annual Meeting. Orlando, FL., October 20, 2008.
242. "*Reduced Concentration Phenol Caudal Epidural Block for Intractable Rectal Pain due to Cancer*". **Poster & Oral** Presentation. American Society of Anesthesiologists' Annual Meeting. Orlando, FL., October 20, 2008.
243. "*Phantom Limb Pain*". **Oral** Presentation. American Society of Anesthesiologists' Annual Meeting. Orlando, FL., October 20, 2008.
244. "*Cervical Medial Branch Blocks and Radiofrequency for Chronic Head and Neck Pain*". **Oral** Presentation. American Society of Anesthesiologists' Annual Meeting. Orlando, FL., October 20, 2008.
245. Session Moderator: Refresher Course Lectures (15). American Society of Regional Anesthesia Annual Fall Pain Meeting and Workshops. (Also served as **Meeting Chairman**). Huntington Beach, CA. November 20, 2008.
246. "*Transforaminal Lumbar Epidural Steroid Injections*". **Oral** Presentation and Workshop. American Society of Regional Anesthesia Annual Fall Pain Meeting and Workshops. (Also served as **Meeting Chairman**). Huntington Beach, CA. November 21, 2008.
- 247-248. "Fluoroscopic Anatomy Review for Interventional Pain Management Procedures". **Oral** Presentation and Workshop. American Society of Regional Anesthesia Annual Fall Pain Meeting and Workshops. (Also served as **Meeting Chairman**). Huntington Beach, CA. November 21, 2008.
249. Session Moderator: Complications of Interventional Pain Management Procedures (4). American Society of Regional Anesthesia Annual Fall Pain Meeting and Workshops. (Also served as **Meeting Chairman**). Huntington Beach, CA. November 22, 2008.
250. "*Radiofrequency Techniques for Managing Pain of the Cervical Spine*". **Oral** Presentation. American Society of Regional Anesthesia Annual Fall Pain Meeting and Workshops. (Also served as **Meeting Chairman**). Huntington Beach, CA. November 22, 2008.
251. "*Interventional Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Nursing Education and Palliative Care Grand Rounds. Chicago, IL., December 8, 2008.
252. "*Update on Muscle Relaxants*". **Oral** Presentation. Ingalls Memorial Hospital Department of Anesthesiology **Grand Rounds**. Olympia Fields, IL, January 31, 2009.
253. "*Local Anesthetics: A Basic Review*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. February 4, 2009.
254. "*Spinal and Epidural Anesthesia*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. February 11, 2009.
255. "*Brachial Plexus Blocks for Surgery of the Upper Extremity*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL., February 18, 2009.

256. "*Lower Extremity Nerve Blocks for Surgery of the Lower Extremity*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL., February 25, 2009.
257. "*Sympathetic Nervous System and Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. March 4, 2009.
258. "*Neuropathic Pain: DPN and PHN*". **Oral** Presentation. Pri-Med Midwest Conference (Harvard Medical School). Rosemont, IL. March 6, 2009.
259. "*Trauma Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. March 26, 2009.
260. "*Spinal Interventions for Chronic Pain Management*". **Oral** Presentation. Society for Pain Practice Management (SPPM). Phoenix, Az., April 1, 2009. (Also: Course Director: Cadaver Workshops).
261. "*Managing Head and Neck Pain-Case Studies*". **Oral** Presentation. Society for Pain Practice Management (SPPM). Phoenix, Az., April 1, 2009. (Also: Course Director).
262. "*Managing Low Back and Radicular Pain-Case Studies*". **Oral** Presentation. Society for Pain Practice Management (SPPM). Phoenix, Az., April 1, 2009. (Also: Course Director).
264. "*Provocation Manometric Discography; Disc Stimulation; Discogenic Pain*". **Oral** Presentation. Society for Pain Practice Management (SPPM). Phoenix, Az., April 3, 2009. (Also: Course Director).
265. "*Regional Anesthesia in the Patient with a Preexisting Neuropathy*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL., April 28, 2009.
266. "*Managing a Regional Anesthesia Complication-Medical and Legal Perspectives*". **Oral** Presentation. American Society of Regional Anesthesia (ASRA) Annual Spring Meeting. Phoenix, Az., April 30, 2009.
267. "*Regional Anesthesia and the Patient with a Preexisting Neuropathy*". **Oral** Presentation. American Society of Regional Anesthesia (ASRA) Annual Spring Meeting. Phoenix, Az., May 1, 2009.
268. "*Femoral, Lateral Femoral Cutaneous, Obturator, Psoas Blocks*". **Oral** Presentation and Workshop. American Society of Regional Anesthesia (ASRA) Annual Spring Meeting. Phoenix, Az., May 1, 2009.
269. "*Continuous Femoral, Lateral Femoral Cutaneous, Obturator, Psoas Blocks*". **Oral** Presentation and Workshop. American Society of Regional Anesthesia (ASRA) Annual Spring Meeting. Phoenix, Az., May 2, 2009.
- 270-274. "*Regional Anesthesia for Upper Limb Surgery*"; "*Regional Anesthesia for Lower Limb Surgery*"; "*Ultrasound-Basic Science and Clinical Applications for Regional Anesthesia*"; "*Ultrasound Guided Nerve Block Hands-On Workshop*" (**Course Director**). **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Review

Course Meeting. Chicago, IL. May 13, 2009.

- 275-277. "*Regional Anesthesia for Upper Limb Surgery*"; "*Regional Anesthesia for Lower Limb Surgery*"; "*Ultrasound-Basic Science and Clinical Applications for Regional Anesthesia*"; "*Ultrasound Guided Nerve Block Hands-On Workshop*" (**Course Director**). **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Review Course Meeting. San Antonio, Tx. June 16, 2009.
278. "Local Anesthetic Pharmacology: A Basic Science and Clinical Review". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL. July 17, 2009.
- 279-288. "*Trauma Pain Management*"; "*Sympathetic Nervous System Pain*"; "*Nociceptive Pain*"; "*Pelvic Pain: Anatomy and Physiology*"; "*Pelvic Pain Management*"; "*Steroids for Use in Interventional Pain Management*"; "*Upper Extremity Block in Pain Management*"; "*Lower Extremity Block in Pain Management*"; "*Head and Neck Blocks for Managing Pain*"; "*Spinal and Epidural Blocks: Basic Science and Clinical Considerations*". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Pain Board Review Course. Also served as **Course Co-Director** Chicago, IL. August 22-27, 2009.
289. "Society for Pain Practice Management Two-Day Cadaver Workshop for Pain Management". **Course Director**. Kansas City, MO., September 26-27, 2009.
290. "*Ultrasound Guided Nerve Blocks*". **Workshop** Presentation. Illinois Society of Anesthesiologists Annual MAC Meeting. Chicago, IL. September 26, 2009.
291. "*Pain Management in Obstetrics and Gynecological Surgery*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Obstetrics and Gynecology Grand Rounds. Chicago, IL. September 29, 2009.
292. "*Regional Anesthesia in the Opioid Tolerant Patient*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds. Chicago, IL., October 16, 2009.
293. "*Head and Neck Blocks*". **Oral** Presentation and Cadaver Workshop. American Society of Anesthesiologists Annual Meeting. New Orleans, LA., October 17, 2009.
294. "*Perioperative Regional Anesthesia in the Opioid Tolerant Patient for Knee Replacement Surgery*". **Oral** Presentation. Panel Discussion. ASA Annual Meeting. New Orleans, LA., October 19, 2009.
295. "*Buprenorphine Enhances and Prolongs the Postoperative Analgesic Effect of Bupivacaine in Patients Receiving Infragluteal Sciatic Nerve Block at the Expense of Increased Nausea and Vomiting*". **Poster and Oral** Presentation. ASA Annual Meeting. New Orleans, LA., October 19, 2009.
296. "*Perioperative Fatal Hemispheric Embolic CVA after Radical Prostatectomy: A Calling for Urgent Strategic Management and Revisit Definition of "Patient Last Seen Neurologically Normal at Induction Time"*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-19, 2009.
297. "*Rise in End Tidal CO₂ Precedes Subcutaneous Emphysema in Laparoscopic Robotic Surgery*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-

19, 2009.

298. "*Cesarean Section in a Patient with Postlaminectomy, Cervical Kyphosis and Partially Treated Type I Chiari Malformation with Syringomyelia*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-19, 2009.
299. "*Post-Brain Tumor Resection Magnetic Resonance Imaging (MRI) is Essential Prior To Spinal Blockade for Parturients Undergoing Cesarean Section*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-19, 2009.
300. "*Nitroglycerine Administered with Sevoflurane Provided Superior Uterine Relaxation than Sevoflurane Alone for Retained Placenta: A Case Report*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-19, 2009.
301. "*Pain Management of Parsonage-Turner Syndrome*". **Poster** Presentation. ASA Annual Meeting. New Orleans, LA., October 18-19, 2009.
302. Session Moderator: ASA Scientific Abstracts; Acute Pain Medicine. ASA Annual Meeting. New Orleans, LA., October 20, 2009.
303. "*Improving Safety in Interventional Pain Management*". **Oral** Presentation. American Society of Regional Anesthesia Annual Fall Meeting. San Antonio, TX. November 19, 2009. (**Refresher Course Lecture**)
304. "*Pain Management for Brachial and Lumbar Plexopathies*". **Oral** Presentation. American Society of Regional Anesthesia Annual Fall Meeting. San Antonio, TX. November 20, 2009.
305. "*Transforaminal 5% Phenol Neurolysis for the Treatment of Intractable Cancer Pain*." **Oral** and **Poster** Presentation. American Society of Regional Anesthesia Annual Fall Meeting. San Antonio, TX. November 21, 2009.
306. "*Head and Neck Blocks*". **Oral** Presentation and Workshop. American Society of Regional Anesthesia Annual Fall Meeting. San Antonio, TX. November 21, 2009.
307. "*Improving Safety in Interventional Pain Management*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds Presentation. November 24, 2009.
308. "*Monitoring of Neurological Status under Anesthesia*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Medical Leadership Monthly Meeting. Chicago, IL, November 25, 2009.
309. "*Introduction to Chemical Neurolytic Agents*". **Oral** Presentation. Vanderbilt University Department of Anesthesiology, Division of Pain Medicine, Grand Rounds. Nashville, TN., February 18, 2010.
310. "*Minimizing Risks in Interventional Pain Medicine*". **Oral** Presentation. Vanderbilt University Department of Anesthesiology Grand Rounds Lecture. Nashville, TN., February 19, 2010.
311. "*Improving Safety in Interventional Pain Management*." **Oral** Presentation. Advocate

Illinois Masonic Medical Center Department of Anesthesiology Grand Rounds Presentation. Chicago, IL., March 2, 2010.

312. "*Managing Facet Joint Pain*". **Oral** Presentation. Society for Pain Practice Management 23rd Annual Cadaver Course and Workshops. Also served as **Course Director**. Phoenix, AZ., March 3-5, 2010.
313. "*Regional Anesthesia for the Patient with Previous Laminectomy Surgery*". **Oral** Presentation. New York School of Regional Anesthesia (NYSORA) World Anesthesia Conference (NWAC) Meeting. Dubai, UAE, March 8, 2010.
314. "*Regional Anesthesia for the Patient with a Preexisting Neuropathy*". **Oral** Presentation. NWAC Meeting, Dubai, UAE, March 9, 2010.
315. "*Managing Pain of the Cervical and Lumbar Facets*". **Oral** Presentation. NWAC Meeting, Dubai, UAE, March 10, 2010.
316. "*Cervical and Lumbar Transforaminal Injections*". **Oral** Presentation. NWAC Meeting, Dubai, UAE, March 10, 2010.
317. "*Regional Anesthesia and the Opioid Dependent Patient*". **Oral** Presentation. NWAC Meeting, Dubai, UAE, March 11, 2010.
- 318-320. Lectures for the Dannemiller Memorial Education Foundation Annual Anesthesia Review Course: **Oral** Presentations. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Ultrasound Use in Regional Anesthesia: Fact or Fiction?*" San Antonio, TX, April 14, 2010.
321. "*Regional Anesthesia and Orthopedic Surgery-Past, Present and Future*". **Moderator**. ASRA Annual Meeting, Toronto, Ontario CA, April 23, 2010.
322. "*Continuous Peripheral Nerve Blocks for Upper Extremity Surgery*". **Oral** Presentation and hands-on workshop. ASRA Annual Meeting, Toronto, Ontario CA, April 24, 2010.
323. "*Continuous Peripheral Nerve Blocks for Lower Extremity Surgery*". **Oral** Presentation and hands-on workshop. ASRA Annual Meeting, Toronto, Ontario CA, April 24, 2010.
324. "*Ultrasound Guided Nerve Blocks: Realty vs. Fiction*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, May 3, 2010.
325. "*Regional Anesthesia for Upper Extremity Surgery*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Anesthesiology Grand Rounds Lecture. Chicago, IL, May 4, 2010.
326. "*Regional Anesthesia for Lower Extremity Surgery*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, May 6, 2010.
327. "*Spinal and Epidural Block: The Basics*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, May 7, 2010.
328. "*Head and Neck Blocks for Chronic Pain Management.*" **Oral** Presentation. Dannemiller Memorial Education Foundation Advocate Illinois Masonic Medical Center Annual Cadaver Workshop using Fluoroscopy and Ultrasound Guidance. Chicago, IL, May 15,

2010. Also served as **Course Director**.

329. "*Regional Anesthesia for the Patient Chronically Consuming Opioids*." **Oral** Presentation. Grand Rounds Invited Guest Lecture: University of Illinois College of Medicine at Chicago Department of Anesthesiology. Chicago, IL, June 9, 2010.
- 330-332. Lectures for the Dannemiller Memorial Education Foundation Annual Anesthesia Review Course: **Oral** Presentations. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Ultrasound Use in Regional Anesthesia: Fact or Fiction?*" Chicago, IL, June 22, 2010.
333. "*Local Anesthetics*." **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, July 16, 2010.
334. "*Spinal and Epidural Anesthesia*." **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, July 26, 2010.
- 335-344. "*Trauma Pain Management*"; "*Sympathetic Nervous System Pain*"; "*Nociceptive Pain*"; "*Pelvic Pain: Anatomy and Physiology*"; "*Pelvic Pain Management*"; "*Steroids for Use in Interventional Pain Management*"; "*Upper Extremity Block in Pain Management*"; "*Lower Extremity Block in Pain Management*"; "*Head and Neck Blocks for Managing Pain*"; "*Spinal and Epidural Blocks: Basic Science and Clinical Considerations*". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Pain Board Review Course. Also served as **Course Co-Director** Chicago, IL. August 22-27, 2010.
345. "*Head and Neck Blocks: Fluoroscopy and Ultrasound*"; **Oral** Presentation and Cadaver Workshop. Also served as Course Moderator. American Society of Anesthesiologists Annual Meeting. San Diego, CA, October 16, 2010.
346. "*Spinal Injections for the Diagnosis and Management of Chronic Pain*"; **Oral** Presentation. **Refresher Course Lecture**. ASA Annual Meeting. San Diego, CA, October 17, 2010.
347. "*Intra-Articular and Wound Infiltrations for Acute Pain Management*"; **Oral** Presentation and Panel Discussion. ASA Annual Meeting. San Diego, CA, October 18, 2010.
348. "*Sympathetic Blocks for Pain Management*"; **Oral** Presentation. Dannemiller Memorial Education Foundation / University of Texas SouthWestern Cadaver and Didactic Workshop Course. San Antonio, TX, November 6, 2010.
349. "*Disc Stimulation and Intradiscal Procedures for Pain Management*"; **Oral** Presentation. Dannemiller Memorial Education Foundation / University of Texas SouthWestern Cadaver and Didactic Workshop Course. San Antonio, TX, November 6, 2010.
350. "*Regional Anesthesia for Orthopedic Surgery in Patients Chronically Consuming Opioids*"; **Oral** Presentation. Midwest Anesthesia Conference / Illinois Society of Anesthesiologists Annual Meeting. **Also Served as Meeting Chairman**. Chicago, IL, November 13, 2010.
351. "*Head and Neck Blocks*"; **Oral** Presentation and Cadaver Fluoroscopy and Ultrasound

Workshop. American Society of Regional Anesthesia Annual Fall Meeting. Phoenix AZ, November 18, 2010.

352. "*Neurolysis for Chronic Pain Management*"; **Oral** Presentation. Resident Program. ASRA Annual Fall Meeting. Phoenix, AZ, November 19, 2010.
353. "*Neurolysis for Cancer Pain Management*"; **Oral** Presentation. Parallel Session. ASRA Annual Fall Meeting. Phoenix, AZ, November 19, 2010.
354. "*Head and Neck Blocks*"; **Oral** Presentation and Cadaver Fluoroscopy and Ultrasound Workshop. American Society of Regional Anesthesia Annual Fall Meeting. Phoenix AZ, November 20, 2010.
355. "*Upper Extremity Regional Anesthesia*", **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, January 12, 2011.
356. "*Interventional Pain Management*", **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Family Practice Grand Rounds Lecture. Chicago, IL, January 21, 2011.
357. "*Regional Anesthesia for Lower Extremity Surgery.*" **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, February 14, 2011.
358. "*Regional Anesthesia in the Opioid Dependent Patient*". **Oral** Presentation. Indiana State Society of Anesthesiologists Annual Meeting. Indianapolis, IN, February 19, 2011.
359. "*Ultrasound-Guided Stellate Ganglion Block*". **Oral** Presentation. Society for Pain Practice Management Lectures, Ultrasound Live-Model, and Cadaver Workshops. **Also served as Course Director.** Also conducted workshops on Head and Neck Blocks; Cervical Facet Joint Blocks; Stellate Ganglion Blocks; Las Vegas, NV, March 3-6, 2011.
360. "*Spinal and Epidural Block*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, April 6, 2011.
- 361-363. Lectures for the Dannemiller Memorial Education Foundation Annual Anesthesia Review Course: **Oral** Presentations. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Ultrasound Use in Regional Anesthesia: Fact or Fiction?*" San Antonio, TX, April 7, 2011.
- 362-366. Lectures for the NWAC World Anesthesia Congress: **Oral** Presentations: "*Neuraxial Opioids in Patients with Sleep Apnea*"; "*Pain Medicine Session Chair-Parallel Session Michelangelo II*"; "*Transforaminal vs. Interlaminar Injections*"; "*RF Procedures-Thermal, Water-Cooled*"; "*Moderator-Parallel Session Bramante 6-7*" Rome, Italy, April 11-15, 2011.
367. "*Ultrasound Guided Regional Anesthesia for Upper Extremity Surgery.*" **Oral** Presentation: Advocate Illinois Masonic Medical Center First Annual Didactic and Live Demonstration Workshop. Advocate Illinois Masonic Medical Center. Chicago, IL, April 23, 2011.
368. "*Treatment of Neuropathic Pain Must Include Multiple Pharmacological Agents with Differing Mechanisms of Action.*" **Oral** Presentation. The Pain Management Summit.

Philadelphia, PA, April 30, 2011.

- 369-370. "*Head and Neck Blocks*"; "*Radiofrequency Techniques for Managing Chronic Spinal Pain: Conventional, Pulsed, Water-Cooled*". **Oral** Presentations. Dannemiller Memorial Education Foundation / Advocate Illinois Masonic Medical Center Annual Cadaver Workshop using Fluoroscopy and Ultrasound Guidance. Chicago, IL, May 14, 2011. Also served as **Course Director**.
371. "*Obstructive Sleep Apnea and Opioid Use*". **Oral** Presentation. Advocate Illinois Masonic Medical Center Departmental Lecture. Chicago, IL, June 27, 2011.
- 372-374. Lectures for the Dannemiller Memorial Education Foundation Annual Anesthesia Review Course: **Oral** Presentations. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Ultrasound Use in Regional Anesthesia: Fact or Fiction?*" San Antonio, TX, June 23, 2011.
- 375-376. Lectures for the Society for Pain Practice Management Ultrasound Pain Course and Live Demonstration: **Oral** Presentations. "*Ilioinguinal, Iliohypogastric and Genitofemoral Nerve Blocks*"; "*Axillary Block of the Brachial Plexus*". San Diego, CA, July 9-10, 2011.
377. "*Spinal and Epidural Block*." **Oral** Presentation: Advocate Illinois Masonic Medical Center Resident Lecture. Chicago, IL, July 25, 2011.
378. "*Regional Anesthesia for Upper Extremity Surgery*." **Oral** Presentation: Advocate Illinois Masonic Medical Center Resident Lecture. Chicago, IL, July 27, 2011.
379. "*Regional Anesthesia for Lower Extremity Surgery*." **Oral** Presentation: Advocate Illinois Masonic Medical Center Resident Lecture. Chicago, IL, July 28, 2011.
380. "*Ultrasound-Guided Nerve Blocks*." **Oral** Presentation: Advocate Illinois Masonic Medical Center Resident Lecture. Chicago, IL, July 29, 2011.
- 381-390. "*Nociceptive Pain; Sympathetic Nervous System Pain; Trauma Pain Management; Regional Anesthesia for Upper Extremity Pain; Regional Anesthesia for Lower Extremity Pain; Steroid Use in Chronic Pain Management; Sympathetic Blocks for Pain Management; Interventional Pain Management Update Parts I & II; Head and Neck Blocks*." **Oral** Presentations: Dannemiller Memorial Education Foundation Annual Review and Pain Board Course. Also served as **Course Co-Director**. Chicago, IL, August 26-September 1, 2011.
391. "*Head and Neck Blocks*." **Oral** Presentation and Cadaver and Ultrasound Workshop Proctor: American Society of Anesthesiologists Annual Meeting. Chicago, IL, October 15, 2011.
392. "*Ultrasound Guided Upper Extremity Blocks: Evidence Review*." **Oral** Presentation. Combined ASRA / ASA Invited Panel Discussion and Lecture. American Society of Anesthesiologists Annual Meeting. Chicago, IL, October 17, 2011.
- 393-394. "*Ultrasound Guided Stellate Ganglion Block*"; "*Head and Neck Blocks for Managing Chronic Pain*." **Oral** Presentations. Society for Pain Practice Management Didactic

Course and Anatomical Workshops. Also served as **Course Director**. Kansas City, MO, November 4-6, 2011.

395. "*Head and Neck Blocks*"; **Oral** Presentation and Anatomical Workshop. American Society of Regional Anesthesia Annual Fall Meeting. New Orleans, LA, November 17, 2011.
396. "*Spinal Cord Stimulation: Patient Selection and Complications*"; **Oral** Presentation and Anatomical Workshop. American Society of Regional Anesthesia Annual Fall Meeting. New Orleans, LA, November 18, 2011.
397. "*Comparing Midline vs. Lateral Parasagittal Approaches During Fluoroscopically-Guided Interlaminar Epidural Steroid Injections*"; **Oral** Presentation-**Best Of Abstracts Award Winner**. American Society of Regional Anesthesia Annual Fall Meeting. New Orleans, LA, November 18, 2011.
398. "*Celiac Plexus Blocks and Lumbar Sympathetic Nerve Blocks*"; **Oral** Presentation and Anatomical Workshop. American Society of Regional Anesthesia Annual Fall Meeting. New Orleans, LA, November 19, 2011.
399. "*Cervical Interlaminar and Transforaminal Epidural Steroid Injections*"; **Oral** Presentation and Anatomical Workshop. American Society of Regional Anesthesia Annual Fall Meeting. New Orleans, LA, November 19, 2011.
- 400-401. "*Ultrasound Guided Brachial Plexus Blocks for Pain Management*"; "*Morton's Neuroma and Plantar Fascia Blocks Using Ultrasound Guidance*". **Oral** Presentations and Live Demonstration Workshops. Society for Pain Practice Management (SPPM) Meeting. Orlando, FL, January 14-15, 2012.
402. "*Multi-Modal Analgesia in the Perioperative Period*"; **Oral** Presentation. Society of Milwaukee Anesthesiologists (SOMA) invited guest professor lecture. Wauwatosa, WI, January 31, 2012.
- 403-410. "*Management of HIV-Related Polyneuropathy with Intrathecal Morphine Delivery in Two Opioid-Dependent Patients with Hepatitis C Cirrhosis*" (A-323-0025-00510); "*CT-Guided Gasserian Ganglion Injection for the Treatment of Recalcitrant Pain Associated with Herpes Simplex-1 Infection of the Trigeminal Nerve*" (A-323-0025-00507"); "*Comparing Midline vs. Lateral Parasagittal Approach During Fluoroscopically-Guided Interlaminar Epidural Steroid Injection*" (A-323-0025-00708); "*The Role of Concordant Pressure Paresthesia in Determining Outcome During Fluoroscopically-Guided Lumbar Epidural Steroid Injection*" (A-323-0025-00709); "*The Effect of Lumbar Epidural Steroid Injections of Quality of Life and Everyday Functionality*" (A-323-0025-00710); "*Removing Polyethylene Glycol from Methylprednisolone Makes Suspension Safer for Intrathecal Use*" (A-323-0025-00504); "*Management of HIV-Related Polyneuropathy with Spinal Cord Stimulation: A New Clinical Indication*" (A-323-0025-00509); "*Long-Term Effectiveness of Neuromodulation in the Treatment of Post-Surgical Radicular Pain*" (A-323-0025-00799). **Poster** Presentations: World Institute of Pain (WIP) Annual Meeting, Miami, FL, February 3-4, 2012.

- 411-414. **Oral** Presentations and Cadaver Fluoroscopic Workshop: Epidural, Transforaminal and Facet Joint Injections. **Poster Presentations (3)**: “*Comparing Midline vs. Lateral Parasagittal Approach During Fluoroscopically-Guided Interlaminar Epidural Steroid Injection*”; “*The Role of Concordant Pressure Paresthesia in Determining Outcome During Fluoroscopically-Guided Lumbar Epidural Steroid Injection*”; Poster, **Oral Presentation and First Place Award Winner**: “*The Effect of Lumbar Epidural Steroid Injections of Quality of Life and Everyday Functionality*”. American Academy of Pain Medicine Annual Meeting (AAPM), Palm Springs, CA, February 23, 2012.
- 415-416. **Oral** Presentations and Ultrasound Pain Management Workshops: “*Ultrasound-Guided Stellate Ganglion Blocks*”, “*Brachial Plexus Blocks Performed Using Ultrasound*”. Society for Pain Practice Management (SPPM) Annual Meeting, Las Vegas, NV, March 3-4, 2012.
- 417-419. **Oral** Presentation and Live Ultrasound Demonstrations (3 consecutive days): *Basics of Ultrasound Guided Nerve Block—Physics, Knobology, and Transducer-Needle Manipulation*. American Society of Regional Anesthesia (ASRA) Annual Meeting and Workshops. San Diego CA; March 15-17, 2012.
420. **Poster** Presentation (#134): *Three Patients with Painful Brachial Plexus Impingement Following Pacemaker Generator Insertion*. Candido, KD, Puppala V, Knezevic NN, Razminia M, Kozlov G. American Society of Regional Anesthesia Annual Meeting. San Diego CA, March 17, 2012.
421. **Oral** Presentation. *Putting a Stop to the Overuse of Addictive Drugs in Workers’ Compensation Claims*. The 2012 Illinois Workers’ Comp Forum. Westin Lombard Yorktown Center, Lombard IL, March 20, 2012.
422. **Oral** Presentation. *Multi-Modal Analgesia for Managing Perioperative Pain*. St. Louis Society of Anesthesiology Invited Guest Lecture. St. Louis, MO., April 10, 2012.
423. “*Pediatric Regional Anesthesia*”. **Oral** Presentation: Advocate Illinois Masonic Medical Center Resident Lecture. Chicago, IL, July 29, 2011.
- 424-428. **Poster** Presentations: “*Comparing Midline vs. Lateral Parasagittal Approach During Fluoroscopically-Guided Interlaminar Epidural Steroid Injection*”; “*The Role of Concordant Pressure Paresthesia in Determining Outcome During Fluoroscopically-Guided Lumbar Epidural Steroid Injection*”; “*The Effect of Lumbar Epidural Steroid Injections of Quality of Life and Everyday Functionality*”. **Oral** Presentations: “*Interventional Pain Management Procedures-Current Controversies*”; “*Thoracic Epidural Blocks for Managing Pain in the Perioperative Period*”. NWAC Annual Meeting. Istanbul, Turkey, April 24-27, 2012.
- 429-431. “*Regional Anesthesia for Upper Extremity Surgery*”; “*Regional Anesthesia for Lower Extremity Surgery*”; “*Ultrasound Use for Regional Anesthesia*”. **Oral** Presentations. Dannemiller Memorial Education Foundation Anesthesia Review Course. San Antonio,

TX, May 3, 2012.

432. *"The Effect of Lumbar Epidural Steroid Injections of Quality of Life and Everyday Functionality"*. **Poster-Oral** Presentation: Association of University Anesthesiologist's Annual Meeting. Cleveland, OH, May 19, 2012.
433. *"Evidence-Based Best Practices in Interventional Pain Management"*. **Oral** Presentation and Keynote Lecture: Florida Society of Interventional Pain Physicians Annual Meeting (FSIPP). Kissimmee, FL, May 19, 2012.
- 434-436. *"Regional Anesthesia for Upper Extremity Surgery"; "Regional Anesthesia for Lower Extremity Surgery"; "Ultrasound Use for Regional Anesthesia"*. **Oral** Presentations. Dannemiller Memorial Education Foundation Anesthesia Review Course. Chicago, IL, June 21, 2012.
- 437-439. *"Comparing Midline vs. Lateral Parasagittal Approach During Fluoroscopically-Guided Interlaminar Epidural Steroid Injection"; "The Role of Concordant Pressure Paresthesia in Determining Outcome During Fluoroscopically-Guided Lumbar Epidural Steroid Injection"; "The Effect of Lumbar Epidural Steroid Injections of Quality of Life and Everyday Functionality"*. **Oral** Presentations: The World Congress of Pain Clinicians 15th Annual Meeting. Granada, Spain, June 28, 2012.
440. *"Multimodal Analgesia for Managing Perioperative Pain"*. **Oral** Presentation. Case Western Reserve University Hospital Department of Anesthesiology **Grand Rounds Lecture**. Cleveland, OH, July 10, 2012.
- 441-450. *"Nociceptive Pain; Sympathetic Nervous System Pain; Trauma Pain Management; Regional Anesthesia for Upper Extremity Pain; Regional Anesthesia for Lower Extremity Pain; Steroid Use in Chronic Pain Management; Sympathetic Blocks for Pain Management; Interventional Pain Management Update Parts I & II; Head and Neck Blocks; Spinal and Epidural Blocks"* **Oral** Presentations: Dannemiller Memorial Education Foundation Annual Review and Pain Board Course. Also served as **Course Co-Director**. San Antonio, TX, July 21-July 26, 2012.
451. *"Multimodal Analgesia for Managing Perioperative Pain"*. **Oral** Presentation. Texas Society of Anesthesiologists Annual Meeting. San Antonio, TX, September 07, 2012.
452. *"Multimodal Analgesia for Managing Perioperative Pain"*. **Oral** Presentation. **Grand Rounds Lecture**, Medical College of Wisconsin, Milwaukee, WI, September 21, 2012.
- 453-454. *"Cervical Medial Branch and Facet Joint Blocks"; "Trigeminal Nerve Blocks and Stellate Ganglion Blocks"*. **Oral** Presentations and Workshop Mentoring. Society for Pain Practice Management (SPPM) Cadaver and Ultrasound Hands On Workshops. Also served as **Course Director**. Advocate Illinois Masonic Medical Center, Chicago, IL, September 22-23, 2012.
455. *"Trauma Pain Management"*. **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, September 26, 2012.

456. "Local Anesthetic Pharmacology". **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, October 10, 2012.
- 457-466. **Poster** Presentations at the Advocate Research & Innovation Forum: October 9, 2012: "Pneumocephalus as Complication of Epidural Analgesia After Using Loss of Resistance to Air Technique"; "High Airway Pressure Secondary to Tracheal Compression Caused by Cloward Retractor during Anterior Cervical Discectomy as a Predictor for Ipsilateral Recurrent Laryngeal Nerve Palsy"; "Anesthetic Management for Occiput to Upper Cervical Fusion for Unstable Occiput to C1 Fracture Dislocation"; "Long-Term Effectiveness of Neuromodulation in the Treatment of Post-Surgical Radicular Pain"; "Comparing Midline vs. Lateral Parasagittal Approach During Fluoroscopically-Guided Lumbar Epidural Steroid Injection"; "The Role of Concordant Pressure Paresthesia in Determining Outcome During Fluoroscopically-Guided Lumbar Epidural Steroid Injection"; "The Effect of Lumbar Epidural Steroid Injections on Quality of Life and Everyday Functionality"; "Three Patients with Painful Brachial Plexus Impingement Following Pacemaker Generator Placement"; "Neuroanesthesia and Neurocritical Considerations for In-House Transtentorial Herniation Secondary to Traumatic Expanding Intracranial Hematoma: Review of Fundamentals"; "Underlying Preoperative Asymptomatic Lumbar Spondylosis May Enhance Neurologic Deficit Following Subarachnoid Block". Chicago, IL.
- 467-478. American Society of Anesthesiologists Annual Meeting. **Oral** Presentation. "Comparison of Two Different Approaches during Interlaminar Lumbar Epidural Steroid Injections-A007."; **Oral** Presentation. "Correlation between Concordant Pressure Paresthesia during Interlaminar Lumbar Epidural Steroid Injections and Pain Relief-A202."; **Oral** Presentation. "Managing Pain in the Perioperative Period in Patients Addicted to Opioid Analgesics."; **Poster/Oral** Presentation. "Quality of Life and Everyday Functionality Improvement after Interlaminar Lumbar Epidural Steroid Injections-A871."; **Hands-On Cadaver Lecture/Workshop**: Interventional Pain Procedures Performed Using Ultrasound Guidance.; **Poster Presentations**: "Meralgia Paresthetica: Is A New Systematic Approach Necessary?"; "Delayed Onset of Symptomatic Phrenic Nerve Blockade after Interscalene Brachial Plexus Block in a Middle-Aged Patient"; "Centrally Mediated Pulseless Electrical Activity during Craniotomy Surgery for Subdural Hematoma."; "Complete Recovery after Antepartum Massive Intracerebral Hemorrhage In An Atypical Case of Sudden Eclampsia". "Perioperative Stroke Due To Undiagnosed Protein S Deficiency."; "Five Day Continuous Spinal Analgesia for Postthoracotomy Pain."; (October 14, 2012); **Session Moderator**: Regional Anesthesia and Acute Pain: Outcomes of Acute Postoperative Pain-OR16-3; Washington DC, October 13-17, 2012.
479. "The Hyperalgesic Patient and Management of Perioperative Pain". **Oral** Presentation/**Refresher Course Lecture**. Midwest Anesthesia Conference/Illinois Society of Anesthesiologists Annual Meeting. Chicago, IL, November 10, 2012.
480. "Spinal and Epidural Block". **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, November 15, 2012.
- 481-486. Presentations at the 11th Annual American Society of Regional Anesthesia & Pain Medicine Meeting: **Refresher Course Lecture**: "Interventional Pain Management for Chronic Cancer Pain"; **Session Moderator**: "Interventional Procedures for Head and

Neck Pain"; *"Splanchnic Nerve Block and Celiac Plexus Block"*; **Poster** Presentations: Interlaminar Midline vs. Parasagittal Interlaminar Epidural Steroid Injections: Effect of Pressure Paresthesias; Success Rates; Pain Reduction and Improvement of Functioning after Parasagittal Interlaminar Epidural Steroid Injections Compared with Midline Interlaminar Epidural Steroid Injections; Cryoablation of the Saphenous Nerve Using Ultrasound Guidance for Intractable Neuropathic Pain Following Trauma. Miami, FL, November 16-18, 2012.

487. *"The Hyperalgesic Patient and Management of Perioperative Pain"*. **Oral** Presentation. University of Illinois College of Medicine/Department of Anesthesiology **Grand Rounds Lecture** (with Professor Alain Borgeat). Chicago Yacht Club, Chicago, IL, November 30, 2012.
488. *"Spinal Cord Stimulation"*. **Oral** Presentation. AORN Chicago Meeting; Feinberg School of Medicine of Northwestern University Medical Center, Chicago, IL, January 02, 2013.
- 489-490. *"Ultrasound-Guided Brachial Plexus Block in Pain Management"*; *"Ultrasound-Guided Stellate Ganglion Block"*. **Oral** Presentations. Society for Pain Practice Management (SPPM) Didactic Program and Live Demonstration Workshops. Orlando, FL, January 19-20, 2013.
491. *"Perioperative Pain Management in Patients Chronically Consuming Opioids"*; **Oral** Presentation. **Grand Rounds Lecture**. Rush University Department of Anesthesiology. Chicago, IL, January 30, 2013.
- 492-493. *"Evidence-Based Interventional Pain Management Therapies for Managing Chronic Spinal Pain"*; *"Complex Regional Pain Syndrome: State of the Art of Diagnosis and Treatment"*. **Oral** Presentations. 9th Annual Sarasota Winter Pain Symposium. Sarasota, FL, February 16-17, 2013.
- 494-496. *"Ultrasound-Guided Brachial Plexus Blocks"*; *"Ultrasound and Fluoroscopically-Guided Stellate Ganglion Blocks"*; *"Cervical Medial Branch Blocks"*. **Oral** Presentations and Clinical Anatomical and Cadaver Workshops. Society for Pain Practice Management Course. Las Vegas, NV, March 1-3, 2013.
497. *"Brachial Plexus Block for Perioperative Pain Management in Upper Extremity Surgery"*; **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, March 06, 2013.
498. *"Trauma Anesthesia"*; **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, March 28, 2013.
499. *"Pediatric Regional Anesthesia"*; **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, April 03, 2013.
- 500-504. Lectures at the Fourth Annual NWAC Meeting: **Oral** Presentations. *"Discogenic Pain-An Overview"*; *"Radiofrequency-What is the Evidence?"*; *"Interventional Pain Therapies for Low Back Pain-Master Class"*; *"Topical Therapies for Pain Management"*; *"Pulsed Radiofrequency-Master Class"*. Bangkok, Thailand, April 23-26, 2013.
505. *"Headache Pain Management Using a Novel Delivery System"*. **Poster** Presentation. Fourth Annual NWAC Meeting. Bangkok, Thailand, April 23-24, 2013.

- 506-508. Lectures at the Dannemiller Memorial Education Foundation Annual Review Course. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Basics of Ultrasound Guided Peripheral Nerve Blocks*". **Oral Presentations**. San Antonio, Tx, April 30, 2013.
- 509-515. Presentations at the 38th Annual Meeting of the American Society of Regional Anesthesia and Pain Medicine. **Oral Presentations**: PBLD: "*Best Adjuvants to Use with Local Anesthetics in Peripheral Nerve Blockade*"; Workshops: "*Basics of Ultrasound*" (workshop 205; workshop 304). Poster Presentations: TX360®: A Non-invasive Technique for Sphenopalatine Ganglion Nerve Block in the Treatment of Trigeminal Neuralgia; Efficacy and Safety of Three Different Approaches for Ultrasound Guided Femoral Nerve Block for Patients Undergoing Total Knee Arthroplasty; Delayed Onset of Symptomatic Phrenic Nerve Block after Interscalene Brachial Plexus Block in a Middle-Aged Patient; The Use of Regional Block in a Patient with Phantom Limb Pain. Boston, MA, May 2-5, 2013.
516. "*CRPS: Current State of the Art in Diagnosis and Treatment*". **Oral Presentation**. Florida Society of Interventional Pain Physicians (FSIPP) Annual Meeting. Orlando, FL, May 18, 2013.
- 517-519. Lectures at the Dannemiller Memorial Education Foundation Annual Review Course. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Basics of Ultrasound Guided Peripheral Nerve Blocks*". **Oral Presentations**. Chicago, IL, June 27, 2013.
520. "Spinal Injections for Chronic Pain Management". **Oral Presentation**. **Grand Rounds Lecture**; Rehabilitation Institute of Chicago/Northwestern University. Chicago, IL, July 24, 2013.
- 521-532. Lectures at the Dannemiller Memorial Education Foundation Annual Pain Review Course. Also served as **Course Co-Director**: **Oral Presentations**. "*Nociceptive Pain*"; "*Trauma Pain Management*"; "*Sympathetic Nerve Blocks*"; "*CRPS-State of the Art of Diagnosis and Treatment*"; "*Spinal Injections for Chronic Spinal Pain-Parts I and II*"; "*Upper Extremity Pain Management*"; "*Lower Extremity Pain Management*"; "*Head and Neck Blocks*"; "*Spinal and Epidural Blocks*"; "*Spinal Drug Delivery Systems and Pharmacology*". Chicago, IL, July 27-31, 2013.
533. "*Spinal and Epidural Anesthesia*". **Oral Presentation**. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, August 03, 2013.
- 534-536: "*Ultrasound-Guided Shoulder Examination*"; "*Ultrasound-Guided Interscalene Brachial Plexus Block*"; "*Ultrasound-Guided Stellate Ganglion Block*". **Oral Presentations**. Society for Pain Practice Management Lectures and Workshops. San Diego, CA, August 17-19, 2013.
537. "*Non-Opioid Analgesics for Post-Operative Pain Management*". **Refresher Course Lecture/Oral Presentation**. Wisconsin Society of Anesthesiologists Annual Meeting. Milwaukee, WI, September 06, 2013.

- 538-541. “*Cervical Medial Branch Blocks*”; “*Cervical Radiofrequency Procedures*”; “*Stellate Ganglion Blocks*”; “*Gasserian Ganglion and Trigeminal Nerve Blocks*”. **Oral** Presentations and Hands-On Cadaver Fluoroscopic and Live Ultrasound Workshops. AIMMC and SPPM. Also Served as **Course Director**: Chicago, IL., September 21-22, 2013.
542. “*Adjuvants for Neuraxial and Peripheral Nerve Blocks; Magnesium; Dexamethasone; Buprenorphine*”. Invited Professor **Grand Rounds Lecture**. Weill Cornell University/Hospital for Special Surgery. New York, NY, October 3, 2013.
543. “*Basic Fluoroscopy-Guided Interventional Pain Procedures*”. **Oral** Presentation. Also served as Workshop Moderator. American Society of Anesthesiologists Annual Meeting. San Francisco, CA, October 12, 2013.
544. Abstract Review Moderator: (Live Sessions) Three Sessions at the American Society of Anesthesiologists Annual Meeting (10-11; 11-12; 3-4 pm). San Francisco, CA, October 13, 2013.
545. “*Role of Adjuvants in Regional Anesthesia: Magnesium; Dexamethasone; Buprenorphine*”. **Oral** Presentation. American Society of Anesthesiologists Annual Meeting. San Francisco, CA, October 13, 2013.
546. “*Acute Postoperative Pain Management-Adjuvants to Local Anesthetics*”. **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, October 17, 2013.
547. “*Educating Clinicians and Creating Discussions on Opioid Underuse, Overuse and Misuse*”. **Oral** Presentation. REMS and AHME (Association for Hospital Medical Education). Advocate Illinois Masonic Medical Center, Chicago, IL, November 04, 2013. (Grant Supported; 3.0 CME).
- 548-9. “*Ultrasound-Guided Brachial Plexus Blocks-Interscalene and Supraclavicular Techniques*”; “*Ultrasound-Guided Stellate Ganglion Blocks*”. **Oral** Presentations. Society for Pain Practice Management (SPPM) Meeting and Workshops. Phoenix, AZ, November 09-10, 2013.
- 550-554. American Society of Regional Anesthesia and Pain Medicine Annual Meeting Presentations: **Oral** Presentations and Workshop Lead Role. “*Head and Neck Blocks*” (X2) November 21, 2003; “*Introduction to Basic Fluoroscopy for Residents*” (11/23/13); “**Sympathetic Nerve Blocks**” (11/23/13); Problem-Based Learning Discussion: “*Role of Sympathetic Nerve Blocks-What is the Evidence*” (#19); (11/23/13). Phoenix, AZ.
- 555-556. “*Ultrasound-Guided Brachial Plexus Blocks-Interscalene and Supraclavicular Techniques*”; “*Ultrasound-Guided Stellate Ganglion Blocks*”. **Oral** Presentations. Society for Pain Practice Management (SPPM) Meeting and Workshops. Orlando, FL, January 18-9, 2014.

- 557-558. "Complex Regional Pain Syndrome Diagnosis and Treatment-An Update"; "Concordant Pressure Paresthesias and Interlaminar Epidural Steroid Injections"; **Grand Rounds Oral** Presentations and Journal Club Moderator: Department of Anesthesiology and Pain Management. Medical College of Wisconsin, Milwaukee WI, February 20, 2014.
- 559-562. "Anatomy of the Shoulder in Health and Disease-Ultrasound Diagnostics"; "Ultrasound Use for Brachial Plexus Blocks"; "Stellate Ganglion Block under Ultrasound Guidance-Is it Safer?"; "Platelet Rich Plasma-An Introductory Course". **Oral** Presentations and Workshops. Society for Pain Practice Management (SPPM) Meeting and Workshops. Las Vegas, NV, February 28-March 02, 2014.
563. "Multimodal Analgesia in the Perioperative Period". **Oral** Presentation. American Osteopathic College of Anesthesiologist's Annual Meeting. Chicago, IL, March 15, 2014.
564. "Complications of Epidural Steroid Injections". **Oral** Presentation. Departmental Lecture. Advocate Illinois Masonic Medical Center, Chicago, IL, March 19, 2014.
565. "Are Transforaminal Epidural Steroid Injections Better than Caudal and Interlaminars"? **Oral** Presentation. American Society of Interventional Pain Physician's Annual Meeting. New Orleans, LA, April 04, 2014.
566. "Ultrasound Use for Interventional Pain Management". **Oral** Presentation. American Society of Interventional Pain Physician's Annual Meeting. New Orleans, LA, April 04, 2014.
567. "Workshop Chair: Ultrasound Use in Chronic Pain Management. **Oral** Presentation and Hands-On Workshop. **Course Director**. American Society of Interventional Pain Physician's 14th Annual Meeting. New Orleans, LA, April 05, 2014.
568. "Magnesium, Dexamethasone, Buprenorphine Used as Additives for Regional Anesthesia". **Oral** Presentation. **Grand Rounds Lecture**. University of Illinois College of Medicine, Department of Anesthesiology. Chicago, IL, April 09, 2014.
- 569-570. "Ultrasound Use for Acute and Chronic Pain Interventions: Evidence-Based Approach and Billing Strategies". **Oral** Presentation. "Complex Regional Pain Syndrome: State of the Art of Diagnosis and Treatment". **Oral** Presentation. Lectures Presented at the Georgia Society of Interventional Pain Physician's (GSIPP) 10th Annual Meeting. Greensboro, GA, April 26, 2014.
- 571-575. "Regional Anesthesia for Upper Extremity Surgery"; "Regional Anesthesia for Lower Extremity Surgery"; "Ultrasound Basics for Regional Anesthesia"; "Ultrasound for Upper Extremity Surgery"; "Ultrasound for Lower Extremity Surgery". **Oral** Presentations. Lectures at the Dannemiller Memorial Education Foundation Anesthesia Review Course. Lectures and Hands-On Ultrasound Workshops. San Antonio, TX, May 01-02, 2014.
- 576-580. "A Meta-Analysis of Efficacy of Transforaminal Epidural Steroid Injections vs. Interlaminar Epidural Steroid Injections", **Oral** Presentation. "Regular Quantitative urine Toxicology Analysis Can Assist in Patient Compliance and Opioid Dose Adjustment";

“Do We Adequately Address the Constipation Problem in Patients Using Pain Medications for Chronic Non-Cancer Pain?”; “The Importance of Proper Patient Selection for Spinal Cord Stimulation for Relief of Non-Malignant Chronic Pain”; “Effects of Methylprednisolone Acetate with and without Preservatives on Rats Dorsal Root Ganglion Sensory Neurons”. **Poster** Presentations. Presented at the World Institute of Pain Meeting, Maastricht, Netherlands, May 07-09, 2014.

581. *“Interventional Pain Management Treatments for Radicular Low Back Pain: A Critical Appraisal of the Evidence”*, **Oral** Presentation. Florida Society of Interventional Pain Physicians’ Annual Meeting (FSIPP), Orlando FL, May 17, 2014.
- 582-592. *“Nociceptive Pain”; “Trauma Pain Management”; “Sympathetic Nervous System Related Pain”; “CRPS: State of the Art Diagnosis and Treatment”; “Evidence-Based Medicine and Spinal Injections Parts I & II”; “Regional Anesthesia for Upper Extremity Pain”; “Regional Anesthesia for Lower Extremity Pain”; “Head and Neck Blocks”; “Spinal and Epidural Block”; “Spinal Medications for Acute and Chronic Pain Management”.* **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Pain Board Review. San Antonio, TX, July 26-29, 2014.
- 593-597 *“Adjuvants to Local Anesthetics for Nerve Blocks-2014”; “Alternatives to Opioids for Pain Management”; “Interventions for Chronic Pain Management”; “Update of Regional Anesthesia for Orthopedic Surgery”; “Ultrasound Use for Chronic Pain”.* Dannemiller Memorial Education Foundation Meeting: **Oral** Presentations: Updates; Maui, HI, August 4-7, 2014.
598. *“Trauma Anesthesia: Preventing Chronic Pain from Acute Pain”*; **Oral** Presentation/Department Lecture. Advocate Illinois Masonic Medical Center Department of Anesthesiology. Chicago, IL, August 14, 2014.
- 599-601. *“Ultrasound Basics for Chronic Pain Management”; “Intraarticular Joint Injections using Ultrasound Guidance for Chronic Joint Pain”; ‘Automated Percutaneous Lumbar Disc Decompression”.* **Oral** Presentations. American Society of Interventional Pain Physicians (ASIPP) Annual Cadaver Workshops and Ultrasound Guided Review Course. **Also, Served as Course Co-Director.** Las Vegas, NV, August 22-24, 2014.
- 602-603. *“Spinal Cord Stimulation for Management of Chronic Pain States”; “Head and Neck Blocks: Cervical Facet; Medial Branch; and Radiofrequency Procedures”.* **Course Director:** Seventh Annual SPPM / AIMMC Cadaver and Ultrasound Workshops and Didactic Sessions for Chronic Pain Management. Chicago, IL, September 20-21, 2014.
- 604-605. *“Interlaminar vs. Transforaminal Injections for the Management of Unilateral Lumbar Radicular Pain: A Systematic Review and Meta-Analysis of All Literature”.* **Oral** Presentation. *“Head and Neck Blocks using Fluoroscopic Guidance”.* *Cadaver Lab and Workshop.* American Society of Anesthesiologists’ Annual Meeting, New Orleans, LA, October 12-13, 2014.

- 606-609. "*Head and Neck Blocks Using Fluoroscopic Guidance*"; "*Head and Neck Blocks Using Ultrasound Guidance*". **Oral** Presentation and Cadaver Lab and Live Model Demonstration Workshop. "Trigeminal Neuralgia: Diagnosis and Treatment"; "The MPA Steroid Safe Use Recommendations: A Critical Evaluation. Will They Improve Safety?" **Oral** Presentations: American Society of Regional Anesthesia and Pain Medicine (ASRA) 13th Annual Pain Medicine Course. San Francisco, CA, November 14-16, 2014.
- 610-611. "*Ultrasound Guidance for Stellate Ganglion Block and Interscalene Block of the Brachial Plexus*"; "*Ultrasound Guidance for Iliioinguinal, Iliohypogastric, and Genitofemoral Nerve Blocks*". **Oral** Presentations/Workshops at the Society for Pain Practice Management Meeting (SPPM) . Orlando, FL, January 17-18, 2015.
- 612-613: "*Introduction to Cervical Spine Related Pain*", "*Complex Regional Pain Syndrome: Diagnosis and Treatment. State of the Art*". **Oral** Presentations. Sarasota Annual Pain Meeting. Sarasota, FL, February 14-15, 2015.
- 614-616. "*Ultrasound Guided Interventional Pain Procedures-Introduction*"; "*Ultrasound Guided Diagnostic and Therapeutic Shoulder Evaluations*"; "*Ultrasound Used for Stellate Ganglion Block and Interscalene Block of the Brachial Plexus*". **Oral** Presentations. American Society of Interventional Pain Physicians (ASIPP) Annual Las Vegas Meeting and Workshops. Also served as **Course Director**. Las Vegas, NV, February 27, 2015.
617. "Use of Platelet Rich Plasma (PRP) for Interventional Pain Medicine". **Oral** Presentation. Society for Pain Practice Management (SPPM). Didactic Course and Hands on Workshops. Las Vegas, NV. February 28-March 01, 2015.
- 618-621. Lectures at the American Academy of Pain Medicine (AAPM) Annual Meeting. **Oral** Presentations. "*Interlaminar Steroid Injections are Superior to Transforaminal*"; "*Fluoroscopy is Superior to CT Scan Use for Cervical Injections*"; "*The Workman's Compensation Patient May Benefit From Interventional Pain Management*"; "*Spinal Cord Stimulator Use is Best Therapy for Failed Back Surgery Syndrome and Morbid Obesity with Painful Diabetic Peripheral Neuropathy*". National Harbor, MD, March 20-21, 2015.
- 622-623. Lectures at the Iowa Society of Anesthesiologists Annual Meeting. **Oral** Presentations. "*Brachial Plexus Block for Upper Extremity Surgery: Does Ultrasound Use Improve Outcomes?*"; "*Regional Anesthesia for Lower Extremity Surgery: Does Ultrasound Use Improve Outcomes?*". Des Moines, IA, March 28, 2015.
624. "*Evidence Based Medicine: The Truth About Epidural Steroid Injections; Caudal, Interlaminar, Transforaminal*". **Oral** Presentation. American Society of Interventional Pain Physicians' Annual Meeting. Orlando, FL, April 9, 2015.
- 625-629. "*Regional Anesthesia for Upper Extremity Surgery*"; "*Regional Anesthesia for Lower Extremity Surgery*"; "*Basics of Ultrasound Use in Anesthesia*"; "*Ultrasound Use for Upper Extremity Nerve Block*"; "*Ultrasound Use for Lower Extremity Nerve Block*". **Oral** Presentations. Lectures for the Dannemiller Memorial Education Foundation Annual Review Course and Hands-On Workshops. San Antonio, TX, April 23, 2015.
- 630-631. "*Ultrasound Use for Elbow Injections (Medial and Lateral Epicondylitis)*"; "*Ultrasound*

Use for Stellate Ganglion Block and Brachial Plexus Block". **Oral** Presentations and Hands-On Workshops. Society for Pain Practice Management (SPPM). Teaneck, NJ, April 25-26, 2015.

- 632-640. "*Pharmacology of Opioids*"; "*Pharmacology of NSAIDs*"; "*Pharmacology of Local Anesthetics*"; "*Pharmacology of Steroids*"; "*Psychology of Pain Management: Behavioral-Cognitive Therapy*"; "*Cancer Pain Diagnosis and Treatment*"; "*Cervical Spinal Pain: Diagnosis and Treatment*"; "*Interventional Pain Management: Back and Neck Blocks*"; "*Interventional Pain Management: Central Nerve Blocks*". **Oral** Presentations. Also Served as **Course Co-Director**: Lectures for the Society for Pain Practice Management Board Review Course (SPPM). Chicago, IL, July 8-9, 2015.
- 641-643. "*Cancer Pain: Diagnosis and Treatment*"; "*Neuropathic Pain*"; "*Complex Regional Pain Syndrome: State of the Art of Diagnosis and Treatment*". **Oral** Presentations. Also Served as **Course Co-Director**: Lectures for the American Society of Interventional Pain Physicians (ASIPP) Board Review Course. Chicago, IL, July 19-21, 2015.
644. "*Spinal and Epidural Blocks for Surgery and Pain Management*". **Oral** Presentation. Resident Lecture, Advocate Illinois Masonic Medical Center Department of Anesthesia. Chicago, IL, July 31, 2015.
- 645-651. "*Head and Neck Pain*"; "*Trauma Pain Management*"; "*Upper Extremity Nerve Blocks for Chronic Pain Management*"; "*Lower Extremity Nerve Blocks for Chronic Pain Management*"; "*Sympathetic Nerve Blocks for Pain Management*"; "*Nociceptive Pain*"; "*Pelvic Pain-Diagnosis and Management*". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Board Review Course. Chicago, IL, August 15-20, 2015.
- 652-653. "*Head and Neck Fluoroscopic Nerve Blocks; Medial Branch and Epidural Steroid Injections*"; "*Stellate Ganglion and Trigeminal Nerve Blocks Performed Using Fluoroscopic Guidance*." **Oral** Presentations. Also served as **Course Director**: 8th Annual Advocate Illinois Masonic Medical Center/SPPM Ultrasound and Cadaver Fluoroscopy Workshops and Didactic Course. Chicago, IL, September 19-20, 2015.
654. "*Perioperative Acute Pain Management*." **Oral** Presentation. Resident Lecture, Advocate Illinois Masonic Medical Center Department of Anesthesia. Chicago, IL, October 01, 2015.
655. "*Effective and Underutilized Approach for Lumbar Epidural Steroid Injections That Can Reduce the Cost of Interventional Pain Management*." **Poster** Presentation. American Academy of Pain Management 32nd Annual Meeting. Palm Springs, CA., February 18, 2016.
656. "*Smoking and Obesity do Not Interfere with Efficacy of Spinal Cord Stimulators (SCS)*." **Poster** Presentation. American Academy of Pain Management 32nd Annual Meeting. Palm Springs, CA., February 18, 2016.
- 657-659. "*Regenerative Medicine: Basic and Clinical Sciences State of the Art*"; "*PRP and Stem Cells; A Primer on Procedures and Practices*"; "*Fluoroscopy vs. Ultrasound for Interventional Pain Management*". **Oral** Presentations. Society for Pain Practice Management Lectures and Hands On Workshops. Las Vegas, NV, March 5-6, 2016.

- 660-661. *"Interventional Techniques in Worker's Compensation Patients"; "Epidural Steroid Injections: Which Patient? Which Drug? Which Approach?"* **Oral** Presentations. Cleveland Clinic Pain Management Symposium, 18th Annual Meeting. San Diego, CA, March 8-9, 2016.
662. *"Spinal Cord Stimulation: Basic Principles and State of the Art"*. **Oral** Presentation. Dannemiller Memorial Education Foundation Didactic and Cadaver Workshops. San Antonio, TX, March 12-13, 2016.
663. *"Role of Adjuvants Added to Local Anesthetics for Peripheral and Central Neuraxial Blocks: Magnesium Sulfate; Dexamethasone; Buprenorphine"*. **Oral** Presentation. Invited Professorship **Grand Rounds Lecture**. Rutgers University Department of Anesthesiology. Newark, NJ, April 06, 2016.
- 664-665. *"Ultrasound vs. Fluoroscopy for Interventional Pain Management: What the Evidence Shows"; "Cancer Pain Management Using Interventional Pain Treatment Options"*. **Oral** Presentations of the American Society of Interventional Pain Physicians (ASIPP). Dallas, TX, April 15-16, 2016.
- 666-670. *"Regional Anesthesia for Upper Extremity Surgery: Evidence-Based Practice"; "Regional Anesthesia for Lower Extremity Surgery: Evidence-Based Practice"; "Basics of Ultrasound Use in Regional Anesthesia"; "Ultrasound-Guided Upper Extremity Nerve Blocks"; "Ultrasound-Guided Lower Extremity Nerve Blocks"*. **Oral** Presentations of the Dannemiller Memorial Education Foundation Annual Anesthesia Review Course. Also, Hands-On US-Guided Workshops, upper and lower extremity blocks. San Antonio, TX, May 19-20, 2016.
- 671-672. *"Infection Control in Interventional Pain Management: Implantable Devices"; "Rational Use of Epidural Steroids in Managing Chronic Radicular Pain"*. **Oral** Presentations of the Florida Society of Interventional Pain Physicians' Annual Meeting. Orlando, FL, May 21-22, 2016.
673. *"Interventional Pain Management: The Use of Epidural Steroid Injections in Chronic Radicular Pain: "S.E.E. Principles: Safety-Efficacy-Economics"*. **Oral** Presentation. Cornell University Department of Anesthesia Pain Management Visiting Professor Lecture. New York, NY, June 03, 2016.
- 674-5. *"The Future of Pain Management"; "Key Evolving Issues in Anesthesia"*. **Oral** Presentations. Becker's 14th Annual Spine and Orthopedic and Pain Management Conference. Chicago, IL, June 10, 2016.
676. *"Uptake and Distribution of Inhalation Anesthetics I"*; Including Dannemiller Memorial Education Foundation Edmond I. Eger, M.D., Lecture. **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesia Resident Lecture. Chicago, IL, July 19, 2016.
677. *"Uptake and Distribution of Inhalation Anesthetics II"*; Including Dannemiller Memorial Education Foundation Edmond I. Eger, M.D., Lecture. **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesia Resident Lecture. Chicago, IL, July 21, 2016.

678. "Trauma Anesthesia and Pain Management"; **Oral** Presentation. Advocate Illinois Masonic Medical Center Department of Anesthesia Resident Lecture. Chicago, IL, August 11, 2016.
- 679-685. "Nociceptive Pain"; "Trauma Pain Management"; "Sympathetic Nervous System Related Pain"; "Head and Neck Blocks"; "Upper Extremity Pain Management"; "Lower Extremity Pain Management"; "Spinal and Epidural Blocks". **Oral** Presentations. Dannemiller Memorial Education Foundation Annual Board Review in Chronic Pain Management. Chicago, IL, August 13-15, 2016.

ABSTRACTS PRESENTED AT SCIENTIFIC MEETINGS

1. "Incidental Discovery of Carotid Artery Dissection As A Cause of Horner's Syndrome and Headache in a Patient Presenting for Follow-up of Lumbar Epidural Steroid Injection". Datta, S., **CANDIDO, KD**. Presented at The Midwest Anesthesia Resident's Conference (MARC) Annual Meeting, May, 2000 (Chicago, IL.)
2. "Neostigmine Does Not Prolong the Duration of Analgesia After Popliteal Fossa Block With Mepivacaine". Pedicini, E., Fattouh, M., Alosman, A., Nasr, N., Franco, C.F., Bird, D., **CANDIDO, KD**, Markey, JA. Presented at MARC Annual Meeting, May, 2000 (Chicago, IL.) and at the American Society of Anesthesiologists Annual Meeting, October, 2000 (San Francisco, Ca.).
3. "Sonographic Determination of Anatomical Characteristics of the Internal Jugular Vein and Carotid Artery". Hussein, Y., Khorasani, A., **CANDIDO, KD**, Saatee, S, Presented at the MARC Annual Meeting, May, 1999 (Columbus, Oh.)
4. "Profiling the Onset and Extent of Brachial Plexus Blockade Utilizing Combinations of Amino-Amide and Ester Local Anesthetics". Khan, MA, Raja, DS., **CANDIDO, KD**., Franco, CF., Winnie, AP. Presented at the MARC Annual Meeting, May, 1999 (**Second Place Award**), (Columbus, Oh.)
5. "Epidural Catheter Failure Following a Rescue Bolus Dose of Alkalinized 0.25% Bupivacaine". Ghaleb A., **CANDIDO, KD**, Khorasani, A., Nader, A., Saatee, S. Presented at the MARC Annual Meeting, May, 2001 (**FIRST PLACE AWARD WINNER**), (Milwaukee, WI.).
6. "Multimodal Anesthesia and Analgesia Facilitates Ambulatory Discharge of Patients Undergoing Osseous Reconstructive Ankle Surgery (RAS)". Yagmour E, Kendall M, Sukhani R, **CANDIDO, KD**, Kelikian A. Presented at the ASA Annual Meeting, October 13, 2003 (San Francisco, CA).
7. "Interscalene Brachial Plexus Block: A Prospective Analysis of Neural Side-Effects in 400 Patients". Nader A, Kendall M, Sukhani R, **CANDIDO, KD**, McCarthy R. Presented at the ASA Annual Meeting, October 15, 2003 (San Francisco, CA).
8. "Femoral Nerve Anatomy: Anatomical Indicators for Neurostimulation Approach". Kataria T, Sukhani R, Nathan N, Pai U, **CANDIDO, KD**. Presented at the ASA Annual

Meeting, October 15, 2003 (San Francisco, CA).

9. "Frequency Dependent Block Following Interscalene Brachial Plexus Block Using Bupivacaine". **CANDIDO, KD**, Langen K, King M, Marra G: Presented at the ASRA Annual Spring Meeting, April 8, 2006.
10. "Anesthetic Considerations for a 7'07", 380 lb. Patient with Acromegaly". **CANDIDO, KD**, Kukhar, I. Presented at the MARC Annual Meeting, April 18, 2009 (Chicago, IL).
11. "Does Addition of Buprenorphine Prolong Postoperative Analgesia in Patients Receiving an Infragluteal Sciatic Nerve Block"? **CANDIDO, KD**, Morris, G. Presented at the MARC Annual Meeting, April 18, 2009 (Chicago, IL). (**FIRST PLACE AWARD WINNER**).
12. "Successful Treatment of Meralgia Paresthetica with Pulse Radiofrequency of the Lateral Femoral Cutaneous Nerve of the Thigh". **CANDIDO, KD**, Philip, C. Presented at the MARC Annual Meeting, April 18, 2009 (Chicago, IL).
13. "Pain Management of Parsonage-Turner Syndrome". **CANDIDO, KD**, Yeung, K. Presented at the MARC Annual Meeting, April 18, 2009 (Chicago, IL).
14. "A Case of Inadvertent Intravascular Injection during Selective C5 and C6 Nerve Root Injections". **CANDIDO, KD**, Mackerley, S. Presented at the MARC Annual Meeting, April 18, 2009 (Chicago, IL).
15. "Buprenorphine Added to the Local Anesthetic for Infragluteal Parabiceps Sciatic Nerve Block". **CANDIDO, KD**, Morris, G. American Society of Regional Anesthesia (ASRA) Annual Spring Meeting. Presented April 29, 2009 (Phoenix, Az.).
16. "Successful Treatment of Meralgia Paresthetica with Pulse Radiofrequency of the Lateral Femoral Cutaneous Nerve of the Thigh". **CANDIDO, KD**, Philip, C. Presented at the ASRA Annual Meeting, April 29, 2009 (Phoenix, Az).
17. "Pain Management of Parsonage-Turner Syndrome". **CANDIDO, KD**, Yeung, K. Presented at the ASRA Annual Meeting, April 29, 2009 (Phoenix, Az).
18. "Transforaminal 5% Phenol for Cancer Pain Management". **CANDIDO, KD**, Philip, C. Presented at the Midwest Anesthesia Resident Conference, February 20, 2010 (Cincinnati, OH). (**FIRST-PLACE AWARD WINNER**).
19. "Intrathecal Methylprednisolone for Managing Post-Herpetic Neuralgia Pain". **CANDIDO, KD**, Mukalel, J. Presented at the Midwest Anesthesia Resident Conference, February 20, 2010 (Cincinnati, OH). First Place Prize Award Winner.
20. "Post-Extubation Airway Obstruction from Occult Laryngeal Mass". **CANDIDO, KD**, Childs, RS. Presented at the Midwest Anesthesia Resident Conference, February 20, 2010 (Cincinnati, OH). (**FIRST-PLACE AWARD WINNER**).
21. "Post-Extubation Airway Obstruction from Occult Laryngeal Mass". **CANDIDO, KD**, Childs, RS. Presented at the American Society of Anesthesiologists Annual Meeting, October 16, 2010, San Diego, CA.
22. "Awake Fiberoptic Intubation Made Easy Outside the Operating Room: "Lidocaine Rinse and Swish" Technique". **CANDIDO, KD**, Rivera-Melendez, J. Presented at the

American Society of Anesthesiologists Annual Meeting, October 16, 2010, San Diego, CA.

23. "Removing Polyethylene Glycol from Methylprednisolone Makes Suspension Safer for Intrathecal Use". **CANDIDO, KD**, Mukalel J, Knezevic N: Presented at the American Society of Anesthesiologists Annual Meeting, October 16, 2010, San Diego, CA.
24. "Anesthetic Challenges in Renal Cell Carcinoma with Metastases to the Lungs and Craniocervical Junction". **CANDIDO, KD**, Ghaly R, Germanovich A. Presented at the American Society of Anesthesiologists Annual Meeting, October 16, 2010, San Diego, CA.
25. "Cerebral Oximetry as a Guide Monitor in Extreme Trendelenburg Position and Elevated Intrathoracic Pressure for Prolonged Robotic Radical Prostatectomy". **CANDIDO, KD**, Saatee S, Knezevic N: Presented at the American Society of Anesthesiologists Annual Meeting, October 17, 2010, San Diego, CA.
26. "Delayed Spinal Effect of Subarachnoid Blockade in 103 Year Old Female". **CANDIDO, KD**, Knezevic N, McMillan Z: Presented at the American Society of Anesthesiologists Annual Meeting, October 17, 2010, San Diego, CA.
27. "CT-Scan Guided Gasserian Ganglion Corticosteroid Injection in an 18 Year-Old Male with Herpes Simplex Type I for 16 Months with Refractory Postherpetic Ophthalmic Neuralgia". **CANDIDO, KD**, Ghaly R, Germanovich A, Knezevic N: Presented at the American Society of Anesthesiologists Annual Meeting, October 18, 2010, San Diego, CA.
28. "Post Extubation Airway Obstruction from Occult Laryngeal Mass". **CANDIDO, KD**, Childs RS, Rivera-Melendez J, Knezevic N: Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
29. "Awake Fiberoptic Intubation Made Easy Outside the Operating Room: "Lidocaine Rinse and Swish". **CANDIDO, KD**, Rivera-Melendez J, Ghaly R, Childs RS, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
30. "Removing Polyethylene Glycol from Methylprednisolone Makes Suspension Safer for Intrathecal Use". **CANDIDO, KD**, Knezevic N, Mukalel J, Knezevic I. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
31. "Anesthetic Challenges in Renal Cell Carcinoma with Metastases to the Lungs and Craniocervical Junction". **CANDIDO, KD**, Germanovich A, Ghaly R, Khorasani A, Knezevic A. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
32. "CT-Scan Guided Gasserian Ganglion Injection of Dexamethasone and Lidocaine for the Treatment of Recalcitrant Pain Associated with Herpes Simplex-I Infection of the Ophthalmic Division of the Trigeminal Nerve". **CANDIDO, KD**, Germanovich A, Ghaly R, Gorelick G, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
33. "Management of Postherpetic Neuralgia with Intrathecal Methylprednisolone." **CANDIDO, KD**, Puppala V, Mukalel J, Knezevic, N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.

34. "Reversible Locked-In Syndrome Due to Unintentional Intravascular Injection Following Transarterial Brachial Plexus Block." **CANDIDO, KD**, Kozlov G, Rana M, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
35. "Anesthetic Challenges in a Morbidly Obese Trauma Patient with Multiple GSW". **CANDIDO, KD**, Ghaly R, McMillan Z, Knezevic, N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
36. "Management of HIV-Related Polyneuropathy with Spinal Cord Stimulator Neuromodulation: A New Clinical Indication". **CANDIDO, KD**, Puppala V, McMillan Z, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL. (**FIRST-PLACE AWARD WINNER**).
37. "Use of Intrathecal Morphine Delivery to Reduce Systemic Opioid Exposure in Two Narcotic-Dependent Patients with Hepatitis C Cirrhosis and HIV-Related Polyneuropathy. **CANDIDO, KD**, Puppala V, Germanovich A, Knezevic, N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
38. "Cerebral Oximetry as a Guide Monitor in Extreme Trendelenburg Position and Elevated Intrathoracic Pressure for Prolonged Robotic Radical Prostatectomy." **CANDIDO, KD**, Saatee S, Ghaly R, Khorasani A, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
39. "Neuroanesthetic and Neurocritical Care Consideration for In-House Transtentorial Herniation Secondary to Traumatic Expanding Intracranial Hematoma: Review of Fundamentals". **CANDIDO, KD**, Ghaly R, Slota Y, Reid A, Khorasani A, Stephenson R, Knezevic N. Presented at the MAC Meeting, November 13, 2010, Chicago, IL.
40. "Awake Fiberoptic Intubation Outside the Operating Room: Lidocaine "Rinse and Swish" Technique. **CANDIDO, KD**, Ghaly R, Rivera-Melendez J, Childs S, Knezevic N. Presented at the ASRA Meeting, November 18, 2010, Phoenix, AZ.
41. "Management of HIV-Related Polyneuropathy with Intrathecal Morphine Delivery in Two Narcotic-Dependent Patients with Hepatitis C Cirrhosis". **CANDIDO, KD**, Puppala V, Germanovich A, Knezevic N. Presented at the ASRA Meeting, November 18, 2010, Phoenix, AZ.
42. "CT Scan Guided Gasserian Ganglion Block for Management of Intractable Pain due to Herpes Simplex Type I Pain in the Ophthalmic Division of the Trigeminal Nerve". **CANDIDO, KD**, Germanovich A, Knezevic N. Presented at the ASRA Meeting, November 18, 2010, Phoenix, AZ.
43. "Neuromodulation for Management of HIV-Related Polyneuropathy". **CANDIDO, KD**, Puppala V, Germanovich Z, Knezevic N. Presented at the ASRA Meeting, November 18, 2010, Phoenix, AZ.
44. "Reversible Locked-In Syndrome Following Local Anesthetic Brachial Plexus Block". **CANDIDO, KD**, Kozlov, Rana M, Knezevic N. Presented at the ASRA Meeting, November 18, 2010, Phoenix, AZ.
45. "Cerebral Oximetry as a Guide Monitor in Extreme Trendelenburg Position and Elevated Intrathoracic Pressure for Prolonged Robotic Assisted Radical Prostatectomy",

- CANDIDO, KD**, Saatee S, Valdez J, Ghaly R, Khorasani A, Crystal G, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
46. "A Case of Reversible Locked-In Syndrome Following Transarterial Axillary Brachial Plexus Block", **CANDIDO, KD**, Kozlov G, Childs R, Rana M. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
47. "Underlying Preoperative Asymptomatic Lumbar Spondylosis May Enhance Neurologic Deficit Following Subarachnoid Blockade", **CANDIDO, KD**, Slota Y, Reid A, Ghaly R, Khorasani A, Crystal G, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
48. "Management of HIV-Related Polyneuropathy with Intrathecal Morphine Delivery in Two Narcotic-Dependent Patients with Hepatitis C Cirrhosis", **CANDIDO, KD**, Germanovich A, Puppala V, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL. **(FIRST-PLACE AWARD WINNER)**.
49. "Management of HIV-Related Polyneuropathy with Spinal Cord Stimulation", **CANDIDO, KD**, Puppala V, McMillan Z, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL. **(FIRST-PLACE AWARD WINNER)**.
50. "Neuroanesthetic and Neurocritical Care Consideration for In-House Transtentorial Herniation Secondary to Traumatic Expanding Intracranial Hematoma: Review of Fundamentals", **CANDIDO, KD**, Reid A, Slota Y, Ghaly R, Khorasani A, Stevenson R, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
51. "Delayed Spinal Effect of Subarachnoid Blockade in a 103-Year Old Female", **CANDIDO, KD**, McMillan Z, Ghaly R, Lapusca A, Puppala V, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
52. "High Airway Pressure Secondary to Tracheal Compression Caused by Cloward Retractor During Anterior Cervical Discectomy as a Predictor for Ipsilateral Recurrent Laryngeal Nerve Palsy", **CANDIDO, KD**, Corber Z, Kukhar I, Mahdi M, Ghaly R, Knezevic N. Presented at the MARC Meeting, April 2, 2011, Chicago, IL.
53. "Management of Postherpetic Neuralgia with Intrathecal Methylprednisolone", **CANDIDO, KD**, Puppala V, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
54. "Anesthetic Management for Occiput to Upper Cervical Fusion for Unstable Occiput to C1 Fracture Dislocation", **CANDIDO, KD**, Ghaly RF, Mills R, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
55. "Brachial Plexopathy Following Pacemaker Generator Insertion", **CANDIDO, KD**, Kozlov G, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
56. "High Airway Pressure Secondary to Tracheal Compression Caused by Cloward Retractor During Anterior Cervical Discectomy as a Predictor for Ipsilateral Recurrent Laryngeal Nerve Palsy", **CANDIDO, KD**, Ghaly RF, Kukhar I, Corber Z, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
57. "Management of HIV-Related Polyneuropathy with Intrathecal Morphine Delivery in Two Opioid-Dependent Patients with Hepatitis C Cirrhosis and Gastroparesis", **CANDIDO**

- KD**, Puppala V, Germanovich A, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
58. "Management of HIV-Related Polyneuropathy with Spinal Cord Stimulation: A New Clinical Indication", **CANDIDO KD**, Puppala V, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
59. "Neuroanesthesia and Critical Care Consideration for In-House Transtentorial Herniation Secondary to Traumatic Expanding Intracranial Hematoma", **CANDIDO KD**, Ghaly RF, Reid A, Slota Y, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
60. "Neurotoxicity After Botox Injection: Is it Real?", **CANDIDO KD**, Ghaly RF, Ilkhchoui Y, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
61. "Pneumocephalus as Complication of Epidural Analgesia After Using Loss of Resistance to Air Technique", **CANDIDO KD**, Ghaly RF, Thakkar A, Vargas S, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
62. "Reversible Locked-In Syndrome Without Seizure Following Trans-Arterial Plexus Block", **CANDIDO KD**, Kozlov G, Rana M, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
63. "Underlying Preoperative Asymptomatic Lumbar Spondylosis May Enhance Neurologic Deficit Following Subarachnoid Blockade", **CANDIDO KD**, Ghaly RF, Slota Y, Reid A, Knezevic N. Presented at the ASA Annual Meeting, October 16, 2011, Chicago, IL.
64. "Intrathecal Drug Delivery Systems for Managing Pain in Chronic HIV-Related Pain Syndrome"; **CANDIDO KD**, Knezevic NN, Germanovich A, Puppala V. Presented at the Midwest Anesthesia Conference, November 12, 2011. **Winner: Best Abstract of Meeting Award.**
65. "Comparing Midline vs. Lateral Parasagittal Approaches during Fluoroscopically-Guided Interlaminar Lumbar Epidural Steroid Injections"; **CANDIDO KD**, Knezevic NN, Rana M, Puppala V, Kamerlink J, Khan MT. Presented at the ASRA Annual Fall Meeting, November 17-19, 2011, New Orleans, LA. **Winner: Best Abstract of Meeting Award.**
66. "The Effect of Lumbar Epidural Steroid Injections on Quality of Life and Everyday Functioning"; **CANDIDO KD**, Knezevic NN, Tharian A, Kamerlink J, Germanovich A, Sauer R, Khan MT. Presented at the ASRA Annual Fall Meeting, November 17-19, 2011, New Orleans, LA.
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VIDEOS PRODUCED

1. "Managing Common Pain Problems." Written, Directed and Produced by Kenneth D. Candido, MD and Lenox Hill Hospital, New York, NY.

INSTRUCTION MANUALS

1. Regional Anesthesia Instruction Guide (1st Edition). Department of Anesthesiology, Feinberg School of Medicine, Northwestern University. **Kenneth Candido, M.D.**, Robert Doty, M.D., Radha Sukhani, M.D., Edward Yaghmour, M.D.; 2001.

2. Regional Anesthesia Instruction Guide (2nd Edition). Department of Anesthesiology, Feinberg School of Medicine, Northwestern University. **Kenneth Candido, M.D.**, Robert Doty, M.D., Radha Sukhani, M.D., Edward Yaghmour, M.D.; 2004.
3. Acute Pain Service Instruction Guide and Syllabus (1st Edition). Department of Anesthesiology, Feinberg School of Medicine, Northwestern University. **Kenneth Candido, M.D.**; 2004.
4. Acute Pain Service Manual for Residents and Fellows (1st Edition). Department of Anesthesiology, Loyola University Medical Center. **Kenneth D. Candido, M.D.**, 2005.

MISCELLANEOUS

1. Elected **Judge**: Midwest Anesthesia Residents Conference (MARC); March 23-25, 2001, Milwaukee, WI.
2. **Co-Chair**: Regional Anesthesia Cadaver Workshop. Northwestern University/Feinberg School of Medicine Departments of Anesthesiology and Pathology. 2002-2003.
3. Newspaper Feature Article: **Anesthesiology News**: “Buprenorphine plus “Supercaine” Gives Extended Postoperative Analgesia” (from ASRA Annual Meeting). 5/26/01.
4. Newspaper Article Commentary: **Anesthesiology News**: “To Mepivacaine—Bupivacaine Axillary Block...Addition of Methylprednisolone Shortens Onset, Extends Duration”. April 2004.
5. Newspaper Article Commentary: **Anesthesiology News**: “Modified Position for Brachial Plexus Block May Enhance Analgesia”. October 2005.
6. Newspaper Feature Article: **Anesthesiology News**: “Neurolysis has Role in Pain Treatment” (from ASRA Annual Meeting). 4/14/08.
7. Newspaper Article (Feature Story): **Anesthesiology News**: “Regional Anesthesia and the Patient with a Preexisting Neuropathy”. December 2009; 35:12.
8. Newspaper Article Commentary: **Anesthesiology News**: “Nerve Block Recs Trigger Dispute Over Certain Patients On Blood Thinners”. April 2010; 36:4.
9. Newspaper Feature Article: **Pain Medicine News**: “Neurolysis in Pain Management.” March 2011.
10. Newspaper Feature Article: **Pain Medicine News-Special Edition**: “Neurolysis in Pain Management.” December 2011; Volume 9; Number 12; 29-34.
11. Medical News Feature Story (**Medscape®**): “Parasagittal Lumbar Steroid Injection Safest, Most Effective”. February 7, 2012.

12. Medical News Feature Story (**Medscape®**): “Spinal Cord Stimulation Effective for HIV Neuropathy”. February 6, 2012.
13. **AIDSMEDS** News Feature Story: “Spinal Cord Stimulation Shows Potential for Peripheral Neuropathy”. February 7, 2012.
14. Medical News Feature Story (**Becker’s Orthopedic, Spine and Pain Management®**): “Study: Modified Approach to Interlaminar Lumbar Epidural Steroid Injections Safer, More Effective”. February 8, 2012.
15. Medical News Feature Story (**Becker’s Orthopedic, Spine and Pain Management®**): Study: Spinal Cord Stimulation Effective for HIV Neuropathy”. February 8, 2012.
16. **ASRA News**: Pro-Con Debate; “The Case for Interlaminar Epidural Steroid Injections”. February 2012 Issue. Pp. 14-17.
17. Market Watch: **Wall Street Journal**: “A Different Approach to Lumbar Epidural Steroid Injections Improves the Quality of Life and Everyday Functionality in Patients with Low Back Pain”. February 24, 2012.
18. Newspaper Article (Feature Story): **Anesthesiology News**: “Evidence Points to a Better Approach for Back Injections”. February 2012; 38:2. Pp. 10-11.
19. Medical News Feature Story (**Medscape®**): “Is Procedural Pain Prognostic in Lumbar Epidural Injection”? February 27, 2012.
20. **Men’s Health** Magazine Article: “Are You Getting Pain Meds You Don’t Need? What you need to know before you go to the hospital” December 02, 2013.
21. **ASRA News**: Pro-Con Debate; “Use of Digital Subtraction Angiography in Epidural Steroid Injections”. August 2014 Edition. Pp. 9-22.
22. **ASRA News**: “A Tribute to Alon P. Winnie, M.D., Founding Father of the American Society of Regional Anesthesia”. February 2015 Edition (electronic).

PROFESSIONAL SOCIETIES

American Medical Association
American Academy of Pain Medicine
American Society of Anesthesiologists
American Academy of Pain Management
American Society of Regional Anesthesia

American Society of Interventional Pain Physicians

Illinois State Society of Anesthesiology (Elected: **Delegate**; 2001-2003-2005-2009; 2012)

Chicago Society of Anesthesiologists (Elected: **President**; 2009-did not serve)

New York State Society of Anesthesiology (Inactive)

New York State Medical Society (Inactive)

New York County Medical Society (Inactive)

International Anesthesia Research Society

International Trauma Anesthesia and Critical Care Society

LANGUAGES SPOKEN

Spanish-Fluent; Italian-Conversational