

CURRICULUM VITAE

DATE: February 12, 2019

NAME: Andrew G. Kaufman, M.D.

PRESENT TITLE: Professor of Anesthesiology
Director, Department of Anesthesiology Comprehensive Pain Center

HOME ADDRESS:

OFFICE ADDRESS: 90 Bergen Street, Suite 3400, Newark, New Jersey, 07103

TELEPHONE NUMBER/E-MAIL ADDRESS: 973-972 2085/kaufmaga@njms.rutgers.edu

CITIZENSHIP: United States

EDUCATION:

- A. Undergraduate Graduate and Professional
University of Virginia
Charlottesville, VA
B.A. 9/80 - 5/84

- B. Graduate and Professional
University of Virginia
Charlottesville, VA
M.D. 9/84 - 5/88

POSTGRADUATE TRAINING:

- A. Internship and Residencies
Cabrini Medical Center, New York, NY
Internship, Department of Medicine
7/88 - 6/89

Columbia-Presbyterian Medical Center, New York, NY
Resident, Department of Anesthesiology
7/89 - 6/92

Harvard University
Boston, MA
Pain Fellow, Department of Anesthesia
7/92 - 6/93

- B. Research Fellowships
None

- C. Postdoctoral Appointments
None

MILITARY: None

ACADEMIC APPOINTMENTS:

Department of Anesthesiology
Rutgers-New Jersey Medical School
Professor in the Department of Anesthesiology
Newark, New Jersey
7/1/2017 - Present

Department of Anesthesiology
Rutgers-New Jersey Medical School
Associate Professor in the Department of Anesthesiology
Newark, New Jersey
5/11- 6/30/2017

Department of Anesthesiology
UMDNJ-New Jersey Medical School
Assistant Professor in the Department of Anesthesiology
01/04 – 5/11

Department of Anesthesiology
Columbia University of College of Physicians & Surgeons, New York, NY
Clinical Assistant Professor of Anesthesiology
09/98 - 05/02

Department of Anesthesiology
Albert Einstein College of Medicine, Bronx, NY
Clinical Assistant Professor of Anesthesiology
09/94 - 09/98

Department of Anesthesiology
Mount Sinai School of Medicine, New York, NY
Clinical Instructor
09/93 - 09/94

HOSPITAL APPOINTMENTS:

Department of Anesthesiology
University Hospital, Newark, NJ
Divisional Director, University Hospital Comprehensive Pain Center
01/04-Present

Overlook Medical Center, Summit, NJ
Co-Medical Director of Overlook Pain Management Center
9/06 – present

Department of Anesthesiology
Overlook Hospital
Attending
10/97-12/03

Department of Medicine
Hackensack University Medical Center
Director of Palliative Care
1997-2004

Department of Anesthesiology
Beth Israel Medical Center, New York, NY
Director of Pain Management, Department of Anesthesiology

07/93 - 10/97

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS: None

PRIVATE PRACTICE

Summit Anesthesia Associates
Summit, New Jersey
10/1997-12/2003

LICENSURE: N.J. 25MA06466300 Expiration Date: 6/30/2019
DRUG LICENSURE: N.J. CDS D07089200 Expiration Date 10/31/2019
N.J. DEA BK5554286 Expiration Date 12/31/2021

CERTIFICATION: American Board of Anesthesiology – 04/93 (no Expiration)
American Board of Anesthesiology-Pain Management
Certified – 1994, Recertified 2004, 2014

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

New Jersey State Society of Interventional Pain Physicians
Past President 2005- 2007
Board of Directors 2008-2018
Executive Director 5/2018-current
American Society of Interventional Pain Physicians 2001-present
American Society of Regional Anesthesia 1992-present
International Society for the Study of Pain 1993-present
American Pain Society 1992-2014
North American Neuromodulation Society 2015-present

HONORS AND AWARDS:

Bachelors of Art with Distinction: (05/21/1984)
Best Doctors Award, Best Doctors Inc. 2005-2006, 2007-2008, 2008-2009, 2009- 2010
2011-2012
New Jersey Monthly: Top Doctor Issue, November 2007, 2008, 2009, 2014, 2017
New York Magazine Best Doctors Issue, June 2012, 2013, 2014, 2015, 2016
Inside New Jersey Magazine Best Doctor 2012, 2013, 2014, 2015, 2016, 2017
Castle Connolly Best Metro Doctors 2012, 2013, 2014, 2015, 2016, 2017,2018,2019
Clinical Excellence Award, Overlook Hospital, April 2009
Nominated for Golden Apple Award (Teacher of the Year) by NJMS Class 2007
2009, 2010, 2011, 2012, 2014, 2015, 2017
Golden Apple Award Recipient NJMS Class of 2017 for Subspecialty Faculty
Golden Apple Award Department of Anesthesiology, Teacher of the year 2013

BOARDS OF DIRECTORS/TRUSTEES POSITIONS:

Board of Directors New Jersey Society Interventional Pain Physicians 2008- 2018

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES: None

SERVICE ON MAJOR COMMITTEES:

- a. International: None
- b. National/Regional:
 - New Jersey State Society of Interventional Pain Physicians:
 - President 2005-2007
 - Director at Large 2008-2018
 - Liaison to Highmark Medical Services
 - Contractor Advisory Committee 9/2009- 5/2012
 - Executive Director 5/2018-present

	New Jersey State Division of Banking and Insurance Committee on PIP Reform	9/2010- 3/2012
	New Jersey Office of the Attorney General Division of Consumer Affairs Pain Management Council	2/2015-Present
c.	Medical School: Member: NJ MED Reimbursement Committee Faculty Council	2004-2007 2014-2018
d.	Hospital: UMDNJ-University Hospital Credentialing Committee Overlook Hospital: Pharmacy & Therapeutic Director QA Overlook Pain Center	2005-present 1997 - 2003 2007- present
e.	Department: Leadership Committee Chair, Finance Committee	2004-2007 2009-2011
f.	Editorial Boards (include full journal name) The Austin Journal of Anesthesia and Analgesia Pain Physician	2013-present 2017-present
g.	Ad Hoc Reviewer: Case Reviewer for the U.S. Attorney General for the State of New Jersey Case Reviewer for New Jersey State Board of Medical Examiners	2010-Present 2003-Present

SERVICE ON GRADUATE SCHOOL COMMITTEES: None

SERVICE ON HOSPITAL COMMITTEES:

	UMDNJ-University Hospital Credentialing Committee Overlook Hospital: Pharmacy & Therapeutic Director QA Overlook Pain Center	2005-present 1997 - 2003 2007- present
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SERVICE TO THE COMMUNITY:

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE: None

SPONSORSHIP OF POSTDOCTORAL FELLOWS: None

TEACHING RESPONSIBILITIES:

- A. Lectures or Course Directorships
 - Rutgers-New Jersey Medical School
Director – 4th Year Pain Management Elective
2 weeks to 4 weeks
 - Rutgers-New Jersey Medical School
Director-Pain Management Anesthesiology Residency Rotation
 - Rutgers-New Jersey Medical School
Program Director- Pain Management Fellowship – effective 7/1/2017
 - Atlantic Health Systems

Course Director, 7th Annual Pain Management Symposium
September 2013, Summit, New Jersey
Course Director, 8th Annual Pain Management Symposium
September 2014, Summit, New Jersey
Course Director, 9th Annual Pain Management Symposium
September 2015, Summit, New Jersey
Course Director, 10th Annual Pain Management Symposium
September 2016 Summit, New Jersey
Course Director, 11th Annual Pain Management Symposium
September 2017 Summit, New Jersey
Course Director, 12th Annual Pain Management Symposium
October 2018 Summit, New Jersey

NYNJ State Society of Interventional Pain Physicians
Faculty, Fellows Cadaver Workshop November 2015
Jersey City, New Jersey

NYNJ State Society of Interventional Pain Physicians
Faculty, Fellows Cadaver Workshop November 2016
Jersey City, New Jersey

- B. Research Training
Post Doctoral Fellows: None
Pre Doctoral Students: None

CLINICAL RESPONSIBILITIES:

University Hospital
Anesthesiology – Pain Management
Coordination of all in-patient pain management consultations

Overlook Medical Center
Neurosciences-Pain Management
Coordination of flow of inpatient to outpatient Pain Management

GRANT SUPPORT:

- A. Principal Investigator
1. Funding Organization: Industry: Endo Pharma
Title of Award: Phase III Oral Fentanyl in Cancer Pain
Inclusive dates of funding 2006-2008
Direct costs awarded \$8,000
 2. Funding Organization, Industry: Alfarma Inc.
Title of Award Kronos Study
Inclusive dates of Funding 2002-2003
Direct costs awarded \$ 5,000
 3. Funding Organization - Industry: Allergan
Title of Award: Botox Study
Inclusive dates of Funding 2000-2001
Direct costs awarded \$ 4,000
- B. Co-Investigator
none
- C. Pending

QED Program

"PolyMorphine: An Innovative Method to Mediate Pain"

1/1/14-12/31/15 for \$200,000 (pending)

PIs: KE Urich (Chemistry & Chemical Biology, Rutgers), L Yu (Alcohol Studies, Rutgers), A Kaufman (Anesthesiology, Pain Division, NJMS, Rutgers) None

PUBLICATIONS:

- A. Refereed Original Article in Journal
1. Ferratine MF, **Kaufman AG**, et al: Sphenopalatine ganglion block for treatment of myofascial pain of head, neck and shoulders. *Regional Anesthesia Pain Medicine* 23 (1) 30-36, 1998.
 2. Scemama P, Shaparin N, **Kaufman A**, Due S. Radiofrequency ablation within the first intercoccygeal disc for coccygodynia: a case report. *Pain Practice*, 11(3):278-281, 2011.
 3. Bernstein J, Shaparin N, White R, **Kaufman A**. Bevel direction of epidural needles reliably predicts direction of catheter placement and contrast spread in human cadavers: Results of a Pilot Study. *Journal of Clinical Anesthesia*, 26(8):587-590, 2014.
 4. Shaparin N, White RS, Andreae MH, **Kaufman AG**. A longitudinal linear model of patient characteristics to predict failure to attend an inner-city chronic pain clinic. *Journal of Pain*, 15(7):704-11, 2015.
 5. Siddiqui S, Sifonios AN, Le V, Martinez ME, Eloy JD, **Kaufman AG**. Development of Phantom Limb Pain after Femoral Nerve Block: A Case Report. *Case Reports of Medicine*, Volume 2014; Article ID 238453, 3 pages, 2014.
 6. Cao J, Wang P-K, Tiwari V, Liang L, Lutz BM, Shieh K-R, Zang W-D, **Kaufman A**, Bekker A, Gao X-Q, Tao Y-X. Short-term pre- and post-operative stress prolongs incision-induced pain hypersensitivity without changing basal pain perception. *Molecular Pain*, 11:73, 2015
 7. Wu S, Lutz BM, Liang L, Mo K, Chang YJ, Du P, Soteropoulos P, Bin T, **Kaufman AG**, Bekker A, Tao Y-X,. Dorsal root ganglion transcriptome analysis following peripheral nerve injury in mice. *Molecular Pain*, V 12, 1744806916629048, 2016.
 8. Iannaccone F, D.O., Dixon, S, R.T. **Kaufman, A, M.D.**, A Retrospective review of Genicular Nerve Radiofrequency ablation in chronic knee pain osteoarthritis. *Pain Physician*, 20: E437-E444. 2017
 9. Ellwood, S. Shupper, P, **Kaufman, A**, A Retrospective Chart Review Analyzing the Safety of Spinal Radiofrequency Procedures in Patients Who Have Metallic Posterior Spinal Instrumentation, *Pain Physician* 2018; E477-E482
- B. Books, Monographs and Chapters
1. **Kaufman, Andrew**, Shankar Shah, Rita; Chapter 2 – Indications and Patient Selection; In: *Spinal Cord Stimulation: Principles and Practice*; Editor: Antonios Mammis (Assistant Professor, Neurological Surgery, Rutgers New Jersey Medical School, NJ); pp 7-12; Nova Science Publishers, Hauppauge, NY, 2015.
- C. Patents Held
None
- D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications
None
- E. Abstracts/Poster Presentations
1. Nemesdy G, Prasad K, **Kaufman A**, Pandya P, Azar L. Time dependent changes in gastric PH following ingestion of Bicitra. Presented at the Annual Meeting of the ASA, Atlanta, Georgia, 1995. *Anesthesiology* 83: 3A.

2. **Kaufman AG**, Dunbar S.A., Cain CF, Cherunure S, Ferrante FM: Sphenopalatine ganglion block for the treatment of myofascial pain of the head and neck. Presented at the Annual Meeting of the American Society of Regional Anesthesia, Orlando, Florida, 1995; *Regional Anesthesia* 20:2S-135.
3. **Kaufman A**, Pandya P., Sanwar M., Azar L. Suprapubic neurolysis for pain caused by penile Kaposi sarcoma. Presented at the Annual Meeting of the American Society of Regional Anesthesia, Atlanta, Georgia, 1997. *Regional Anesthesia*, Vol. 22, #2S, 105. Also presented at Annual Meeting of American Pain Society, New Orleans, LA, 1997.
4. **Kaufman A**, Garza A. Radiofrequency ablation of sino-vertebral nerves for Relief of Thoracic Vertebral Body Compression Fracture Pain. Presented at the American Society of Regional Anesthesia- Pain Section Meeting, San Francisco, CA, 2006. **This poster was awarded “Best of Meeting” by a blinded juried panel.**
5. Shaparin N, Perez E, **Kaufman A**. Radiofrequency ablation of the ganglion of impar and genito-femoral nerve for chronic phantom genital pain after Fournier’s gangrene: a case report. Presented at the World Institute of Pain, 5th Congress. New York, NY, 2009.
6. Lee V, Shaparin N, **Kaufman A**. Complex regional pain syndrome in a 10 year old boy after receiving a tetanus booster injection: a case report. Presented at the World Institute of Pain, 5th World Congress, New York, NY, 2009.
7. Shaparin N, Le H, and **Kaufman A**. Radiofrequency ablation for intraorbital neuralgia: a novel treatment for atypical facial pain. Presented at the XXVIII Annual ESRA Congress. Salzburg, Austria, 2009
8. Shaparin N, Voung W, **Kaufman A**, Schwarzenberger J, and Manon H. Perforation and pneumo-mediastinum following battery ingestion. Presented at the American Society of Anesthesiology’s Annual Meeting. New Orleans, La, 2009.
9. Shaparin N, Perez E, and **Kaufman A** (October, 2009). Radiofrequency ablation of the ganglion of impar and genito-femoral nerve for chronic phantom genital pain after Fournier’s gangrene: a case report. Presented at the American Society of Anesthesiology Annual Meeting. New Orleans, La, 2009.
10. Rana P, **Kaufman A**, Shaparin N. Successful cervical median branch radiofrequency ablation following single diagnostic cervical median branch block (retrospective chart review from 2004-2009). Presented at the American Society of Regional Anesthesia Pain Section Meeting, San Antonio, Texas, 2009.
11. Rana P, **Kaufman A**, Shaparin N. Successful lumbar median branch radiofrequency ablation following single diagnostic cervical median branch block (retrospective chart review from 2004-2009). Presented at the American Society of Regional Anesthesia Pain Section Meeting, San Antonio, Texas, 2009.
12. Malayil JP, **Kaufman A**, Shaparin N. Combined radiofrequency ablation within the sacrococcygeal disc and the ganglion impar for mixed somatic and neuropathic coccydynia: a case report. Presented at the American Academy of Pain Medicine Annual Meeting, San Antonio, Texas, 2010.
13. **Kaufman A**, Shaparin N. Bevel direction of epidural needles reliably predicts direction of catheter placement and contrast spread in human cadavers: results of a pilot study. Presented at American Society of Regional Anesthesia Spring Meeting, Toronto, Canada, 2010.
14. Baalkini L, **Kaufman A**, Shaparin N. Effective lumbar medial branch radiofrequency ablation without a prior diagnostic block (retrospective chart review). Presented at ASRA-Pain Section, Phoenix, AZ, 2010.
15. Kim, J, Shaparin, N, **Kaufman, A**. 4 year Retrospective Chart Review Assessing Relationship Between Appointment Status and Various Demographic Parameters in Minority and Disadvantaged Patients Seeking Pain Treatment, Presented at American Academy of Pain Management, Baltimore, MD, 2011.
16. Kim, J, **Kaufman, A**, Shulman, S. Age not a Factor in Determining Conservative Treatment Modality for Patients with Lumbar Spinal Stenosis Presented at American Society of Regional Anesthesia Fall meeting, Miami, Florida, 2012

17. **Kaufman, A**, Munoz, D. Combined Radiofrequency/Intrathecal Alcohol Ablation for Pain Due to Metastatic Astrocytoma in a Terminal Patient, Presented at American Academy of Pain Medicine, Ft. Lauderdale, Florida, 2013.
18. Tu, M., Vydyanathan A., Huch S., **Kaufman, A.**, Shaparin, N. Use of Impedance as A Tool to Recognize Intra-neural Needle Placement. Presented at ASRA-Regional Section, Boston, MA, 2013.
19. Nakamura, R., Dunn, K, **Kaufman, A**, Combined ultrasound/fluoroscopic Denervation for the Management of Chronic Shoulder Pain in a Patient with History of Dislocated Total Shoulder Replacement and History of Huntington's Chorea, AAPMR Fall Meeting, Washington, D.C., 2013.
20. White,R., Hall, C. Andreae, M, Shaparin, N, **Kaufman, A.** The relationship between appointment status and demographic parameters in minority and socio-economically disadvantaged patients seeking chronic pain treatment. Presented at ASRA Fall Meeting, Phoenix, Arizona, 2013.
21. Malapero, R., Jain, A, **Kaufman, A**. Shaparin, N. Spinal Cord Stimulator Trial: Improved lead Placement and Dressing, presented at ASRA Fall Meeting, Phoenix, Arizona, 2013.
22. Nia, S., Greenward, A, Shaparin, N. **Kaufman, A.** Radiofrequency ablation of the dorsal root ganglia can successfully treat metastatic rib pain: a case report. Presented at the ASRA Pain Section Fall Meeting, San Francisco, CA, 2014.
23. D. Thomas, N. Anosike, C. Dalwai, C. Nasri-Heir, **A. Kaufman**, G. Heir. Complex regional pain syndrome of the orofacial region following traumatic dental procedure: a case report. Presented at the 5th International Congress of Neuropathic Pain, Nice France, 2015.
24. Scholl, R., **Kaufman, A.** Radiofrequency Ablation Genicular Nerve for Knee Pain Status Post Internal Fixation. ASRA Fall Meeting, Miami, Florida, 2015.
25. Nia, S., **Kaufman, A.** Radiofrequency Ablation of Supra Scapular Nerve for Chronic Shoulder Pain: A Case Report. Presented at moderated poster section, ASRA Fall Meeting, Miami, Florida, 2015.
26. Iannaccone F, **Kaufman A.** A retrospective review of genicular nerve radiofrequency ablation in chronic knee osteoarthritis. Presented at moderated poster section, ASRA Fall Meeting, Miami, Florida, 2015.
27. Amin, S, **Kaufman, A**, Sifonios, A., Le, V., Parikh, A. Radiofrequency Neuroablation in a Patient with an Overlying Spinal Cord Stimulator, Implantable Pulse Generator, A Presented at the ASRA fall Meeting, San Diego, CA Nov 2016
28. Parikh, A, Estrada, C., Amin, S., Sifonios, A, Le, V., **Kaufman, A**, Administration of tPA for Ischemic Stroke after Lumbar Radiofrequency Ablation, presented at the ASRA fall meeting, San Diego, CA, Nov. 2016
29. Ellwood, S., **Kaufman, A**, A Retrospective Chart Review Analyzing the Safety of Spinal Radiofrequency Procedures in Patients Who Have Metallic Posterior Spinal Instrumentation, presented at the ASRA fall meeting, Orlando, Fla, Nov 2017
30. Shupper, P, Ellwood S, Gilels S, Colao, J, **Kaufman, A**, **Conventional** Radiofrequency Ablation of Genicular Nerves at 80°C - A One Year Retrospective Evaluation, Presented at the ASRA spring meeting, NY, NY, April 2018
31. Desai,G, Amin, S, **Kaufman, A**, Radiofrequency Ablation for Facetogenic Pain Secondary to Hyper-kyphosis, ASRA Fall meeting, San Antonio, TX Nov 2018

PRESENTATIONS:

A. Scientific (*Basic Science*):

B. Professional (*Clinical*):

1. Centra State Medical Center Grand Rounds, Opioid Addiction, Can We Improve Patient Outcomes?, Freehold, N.J. March 2019
2. Weill-Cornell Medical Center-Pain Management Center Grand Rounds, Marijuana and Chronic Pain Control, NY, NY, February 2019
3. New Jersey State Society of Interventional Pain Physicians, Bi-Annual Meeting, Facial Pain, Woodbridge, New Jersey, February 2019
4. Rutgers Biomedical and Health Sciences, Opioid Addiction Workshop, Pain Management and Addiction, New Brunswick, N.J. November 2018
5. Overlook Medical Center, Pain Symposium, Marijuana and Chronic Pain Control Summit, N.J. October 2018
6. St. Vincent's Hospital System, Pain Management Conference, Legalized Marijuana and Opioids-Deadly Crossroads, Birmingham, Alabama October 2018
7. St. Vincent's Hospital System, Pain Management Conference, Prescription Drug Use Misuse and Addiction, Recognizing the Signs, Birmingham, Alabama October 2018
8. Englewood Hospital and Medical Center, Anesthesiology Grand Rounds, Marijuana and Anesthesia, Englewood, N.J., August 2018
9. St. Vincent's Hospital System, Pharmacy Conference, Opioid Addiction: Improving Outcomes, Birmingham, Alabama, August 2018
10. Richmond University Medical Center, Medical Grand Rounds, Medical Marijuana for Chronic Pain, Staten Island, NY May 2018
11. Weill-Cornell Medical Center-Pain Management Center Grand Rounds, Radiofrequency of the Knee and the Hip, Updates, NY, NY, May 2018
12. St. Vincent Hospital System Grand Rounds, The legalities of Opioid Prescribing in Alabama, Birmingham, Alabama, March 2018
13. New Jersey Dental School, The Center for Temporomandibular Disorders and Orofacial Pain, Addiction Drug Diversion, Abuse and Death, Newark, NJ, Feb. 2018
14. Easton Hospital, Medicine Grand Rounds, The legalities of Opioid Prescribing in Pennsylvania, Easton, Pa, January 2018
15. Atlantic Health System Spine Symposium, Do Opioids Have a Role in Treating Back Pain? Summit, NJ, Nov 2017
16. NY/NJ State Societies of Interventional Pain Physicians-The Good, Bad and Ugly Sides of Opiate Utilization, Addiction, Drug Diversion, Abuse and Deaths, Jersey City NJ, October 2017
17. NY/NJ State Societies of Interventional Pain Physicians, Legalized Marijuana and Opioids, Jersey City NJ , October 2017
18. Hackensack-Palisades Medical Center, Grand Rounds, Proper Opioid Prescribing, North Bergen, New Jersey, October 2017
19. Trinitas Hospital, Medical Grand Rounds, Rational Opioid Prescribing and the New Laws in New Jersey, Elizabeth, NJ, May 2017
20. Rutgers, New Jersey Dental School, Orofacial Pain Rounds, Addiction and Abuse, Newark, NJ, April 2017
21. Princeton University, Department of Psychology/Global Health Program at the Woodrow Wilson School of Public Policy, Pain Signaling and Processing, Princeton, NJ April 2017
22. Weill-Cornell Medical Center, Pain Management Center Grand Rounds, Ziconotide therapy, New York, NY April 2017
23. Palisades General Hospital Grand Rounds, Legalized Marijuana and Opioid Prescribing, North Bergen, N.J., February 2017
24. Easton Hospital Medical Grand Rounds-Non Opioid Treatment of Chronic Pain, Easton, Pa, January 2017

25. NY/NJ State Societies of Interventional Pain Physicians-The Good, Bad and Ugly Sides of Opiate Utilization, Addiction, Drug Diversion, Abuse and Deaths, Jersey City NJ, November 2016
26. NY/NJ State Societies of Interventional Pain Physicians-The Good, Bad and Ugly Sides of Opiate Utilization, Prescribing Schedule II, III and IV Drugs, Jersey City NJ, November 2016
27. NY/NJ State Societies of Interventional Pain Physicians, Update on Intrathecal Drug Therapy, Jersey City NJ, November 2016
28. NY/NJ State Societies of Interventional Pain Physicians, Legalized Marijuana and Opioids, Jersey City NJ, November 2016
29. Atlantic Health Systems Annual Pain Symposium, Current ASIPP Guidelines for Opioid Use in Non-Cancer Patients, Summit, New Jersey September 2016
30. Trinitas Medical Center-Department of Medicine Grand Rounds-Back Pain, the Internist's Nightmare! Elizabeth, N.J. May 2016
31. Rutgers-New Jersey Medical School Pain Symposium-Responsible Opioid Prescribing in Clinical Medicine, Montclair, N.J. May 2016
32. Weill-Cornell Medical Center Pain Management Center Grand Rounds- Rational Opioid Prescribing-CDC Updates for Opioid Prescribing in Chronic Pain, NY, NY April 2016
33. NJ State Society of Anesthesiologist Spring Meeting, Legalized Marijuana and Opioids, New Brunswick, NJ March 2016
34. Bronx-Lebanon Medical Center OB/GYN Grand Rounds- Neuropathic Pain Diagnosis and Treatment, Bronx NY, February 2016
35. Overlook Medical Center Medicine Grand Rounds-Acute Pain Management for the Internist, Summit, NJ January 2016
36. NYNJ State Societies of Interventional Pain Physicians, Safe Opioid Course, Addiction, Drug Diversion, Abuse and Deaths, Jersey City, NJ, November 2015
37. NYNJ State Societies of Interventional Pain Physicians, Pain Medicine Symposium 2015, Legalized Marijuana and Opioids: Deadly Crossroads, Jersey City, NJ November 2015
38. Atlantic Health Systems, Annual Pain Symposium, Genicular Nerve Ablations for Chronic Knee Pain. Summit, NJ, September 2015.
39. Palisades General Hospital Grand Rounds, Acute Pain Management, North Bergen, NJ September 2015.
40. Richmond University Medical Center Spring 2015 Update in Internal Medicine, Rational Approach to Opioid Prescribing in Non Cancer Pain, Staten Island, NY May 2015
41. Easton Hospital Medical Grand Rounds, Acute Pain Management, Easton, Pa, May, 2015
42. Weill-Cornell Medical Center-Pain Management Center Grand Rounds-ASSIP Guidelines to Opioid use in Non-Cancer Patients, NY, NY, January 2015
43. N.Y./N.J. State Societies of Interventional Pain Physicians Annual Pain Medicine Symposium, ASSIP Guidelines to Opioid use in Non-Cancer Patients, Jersey City, New Jersey, November 2014 (section moderator)
44. N.Y./N.J. State Societies of Interventional Pain Physicians Annual Pain Medicine Symposium, How and When to Discharge a Patient, Jersey City, New Jersey November 2014
45. Trinitas Medical Center, Medicine Grand Rounds, Legality of Opioid Prescribing, Elizabeth, New Jersey, October 2014
46. Rutgers-NJMS Department of Medicine Grand Rounds, Understanding of Opioids in Clinical Practice, Newark, New Jersey, October 2014
47. Atlantic Health Systems Annual Pain Symposium, Interventional Treatments for Cancer Pain, Summit New Jersey, September 2014
48. Trinitas Medical Center, Medicine Grand Rounds, Neuropathic Pain Recognition and Treatments, Grand Rounds, Elizabeth, NJ, May 2014
49. Kessler Rehabilitation Institute, Update on Intrathecal therapies, Grand Rounds, West Orange, N.J. May 2014

50. Easton Hospital Medical Grand Rounds, Pharmacology of Opioids, Easton, Pa. March 2014
51. Weill-Cornel Medical Center-Pain Management Center Grand Rounds-Update on Intrathecal Medications-Review of PACC 2012 Consensus Conference, NY, NY January 2014
52. New York/New Jersey State Societies of Interventional Pain Medicine Annual Meeting, Update of PIP rulings from the Division of Banking and Insurance: what do we do now? Jersey City, NJ, November, 2013
53. Easton Hospital Medical Grand Rounds, Opioids Prescribing and the Law, Easton, Pa. November 2013
54. Department of Medicine, Overlook Medical Center Grand Rounds, Overview of Pain Pathways and Treatments, Summit, N.J., October 2013
55. Atlantic Health Systems Pain Symposium, Hospice and Palliative Care, Summit, New Jersey September 2013
56. Easton Hospital Medical Grand Rounds, Hospice and Palliative Care, Easton, Pa March 2013
57. Palisades General Hospital Grand Rounds, Opioid Prescribing and the Law, North Bergen, New Jersey, March 2013
58. Montefiore Medical Center, Anesthesiology Grand Rounds Mechanism/Actions of Intrathecal Pain Medications, Bronx, N.Y. January 2013
59. Palisades General Hospital Grand Rounds, Overview of Pain Pathways and Treatments, North Bergen, New Jersey December 2012
60. UMDNJ-New Jersey Medical School Department of Anesthesiology Grand Rounds, Update of Intrathecal Pain Medications/Usage, Newark, New Jersey, October 2012
61. Atlantic Health Systems Pain Symposium, Opioid Prescribing and the Law, Summit, New Jersey, September 2012.
62. CentraState Medical Center Grand Rounds, Basics of Pain and Palliative Care, Freehold, New Jersey, August, 2012
63. Hackensack University Hospital Pain and Palliative Care Symposium, Intrathecal Medications for Chronic Pain, Hackensack, New Jersey, May 2012
64. New Jersey Prescription Drug Summit, A Physicians Responsibility, Edison, New Jersey, April 2012
65. Atlantic Health Systems Pain Symposium, New Modality to Combat Spinal Stenosis-MILD procedure, Summit, New Jersey, September, 2011
66. Mountainside Hospital, Medical Grand Rounds, Rational Approach to Opioid Use in Outpatients, Montclair, NJ, October 2010.
67. Atlantic Health Systems Pain Symposium, Radiofrequency Ablation in the Treatment of Neck and Low Back Pain, Summit, NJ, September 2010
68. St. Michael's Medical Center, Department of Internal Medicine Grand Rounds, Opioids for Acute and Chronic Pain, Newark, NJ, June, 2010.
69. University of Virginia, Department of Anesthesiology, Division of Pain Management, New Approaches for Intrathecal Management of Pain, Charlottesville, Virginia, March 2010.
70. St. Michael's Medical Center, Department of Internal Medicine, Pain Management in the HIV Patient, Newark, NJ, January 2010.
71. UMDNJ- Robert Wood Johnson Medical School, Department of Anesthesiology, Division of Pain Management, Axial Back Pain - Stimulator vs. Pump, New Brunswick, NJ, November 2009
72. UMDNJ- New Jersey Medical School, Department of Anesthesiology Grand Rounds, Advances in Acute and Chronic Intrathecal Medications, Newark, New Jersey, May 2009.
73. Beth Israel Deaconess Pain Center, Guest Lecturer, Spinal Cord Stimulators vs. Intrathecal Pumps, Boston, Massachusetts, April 2009.
74. Weill-Cornell Medical Center, Pain Management Center Grand Rounds, New Approaches for Intrathecal Management of Pain, New York, New York, March 2009.
75. American College of Physicians, New Jersey State Meeting, A Rational Approach to Narcotic Usage, Islin, New Jersey, February, 2009.

76. SUNY- Upstate Medical Center, Division of Pain Management, New Approaches for Intrathecal Management of Pain, Syracuse, New York, January, 2009.
77. Post Graduate Assembly, New York State Society of Anesthesiologists, Interventional Pain Blocks for Chronic Pain, New York, New York, December, 2008.
78. Atlantic Neuroscience Institute Pain Conference, Trigeminal Neuralgia-Pharmacological Management, Cervical Spine Interventional Pain Therapies. Summit, New Jersey, November 2008.
79. Warren Hospital Family Practice Residency Lecture Series, Rational Approach to Opioid Treatments, Phillipsburg, N.J. October 2008.
80. SUNY Stony Brook, Visiting Professor, Pain Management Center: New Approaches for Intrathecal Management of Pain, Stony Brook, New York, September 2008.
81. Department of Surgery Vascular Grand Rounds at UMDNJ, Diagnosis and Treatment of CRPS, Newark, NJ, January 2008.
82. Orthopedic Grand Rounds at UMDNJ, Post-Operative Pain Management and Use of Narcotics, Newark, NJ, February 2007.
83. Neurology Department Grand Rounds at UMDNJ, Neuropathic Pain, Newark, NJ, November 2006.
84. New Jersey Society of Physician Assistants, Neuropathic Pain Pathophysiology and Treatment, Princeton, NJ, November 2006.
85. Academy of Continuing Podiatric Medical Education and the Podiatry Service at UMDNJ, Management of Diabetic Peripheral Neuropathy, Newark, NJ, May 2006,
86. New Jersey Society of Physician Assistants, Neuropathic Pain, Princeton, New Jersey, December 2005.
87. Ambulatory Surgery Analgesia, Anesthesia Grand Rounds, UMDNJ, Newark, NJ, September 2005.
88. St. Clare's Hospital /Sussex Medical Staff Annual Meeting, Cox2-Inhibitors, Efficacy and Safety Update, Sussex, NJ, June 2005.
89. New Jersey Society of Physician Assistants, Opioid Pharmacology and Use, UMDNJ New Brunswick, NJ, March 2005.
90. Complex Regional Pain Syndrome, Complications of Foot and Ankle Surgery Conference, Hackensack University Medical Center, Hackensack, NJ, October 2004.
91. Thoracic Epidural Analgesia, Anesthesia Grand Rounds, UMDNJ, Newark, NJ, October 2004.
92. Pain Management of the Acute and Chronic Pain Patient, Emergency Medical Associate's 2004 Advanced Emergency and Acute Care Medicine Conference, Atlantic City, NJ, September 2004.
93. Thoracic Epidural Analgesia, Trauma Grand Rounds, UMDNJ, Newark, NJ, September 2004.
94. Pathophysiology of Pain, Lunch Conference, Department of Medicine, UMDNJ, Newark, New Jersey, September 2004.
95. Treating Neuropathic Pain Effectively- Annual Meeting of the American Alliance of Cancer Pain Initiatives, New Brunswick, New Jersey, June 2004.
96. Assessment and Management of Musculoskeletal Pain Syndromes, Scotch Plains, New Jersey, June 2004.
97. Acute Pain Management in the Hospital - outpatient setting. New Jersey State Society of Physician Assistants, Princeton, New Jersey, February 2003.
98. Acute Pain Management. John F. Kennedy Hospital, Rehabilitation Medicine Resident Lecture Series, Edison, New Jersey, August 2002.
99. Acute Pain Management in Chronic Pain Patients. Phelps Memorial Hospital, New York State Nursing Association, Tarrytown, NY, June 2002.
100. Cancer Pain. St. Joseph's Medical Center, Medical Residents Morning Lecture Series, Patterson, New Jersey, December 2001.
101. Pain Assessment and Intervention. Visiting Nurse Association of North New Jersey, Morristown, New Jersey, November 2001
102. Acute Pain Management. Union Hospital, Union Hospital Grand Rounds, Union, New Jersey, July 2001.

103. Chronic Pain Management and Assessment. Atlantic City Medical Center, Medical Staff meeting, Atlantic City, New Jersey, May 2001.
104. Neuropathic Pain Management. As part of a symposium on chronic pain. The Academy of Medicine of New Jersey Physicians Conference, 2001, Atlantic City, New Jersey, April 2001.
105. Pediatric Pain Management. Children's Specialized Hospital, Mountainside, New Jersey, December 2000.
106. Legalities of Opioid Prescribing. Bayshore Hospital, Medical Grand Rounds, Bayshore, New Jersey, November 2000.
107. Acute Office Based Pain Management. St. Francis Hospital, Medical Grand Rounds, Jersey City, New Jersey, September 2000.
108. Postoperative Pain Management. St. Elizabeth Hospital, Surgical Grand Rounds, Elizabeth, New Jersey, September 2000.
109. Postoperative Pain Management. St. Peter's Medical Center, Surgical Grand Rounds, September 2000.
110. Geriatric Pain Management. Lyons VA Medical Center, Lyons, New Jersey, June 2000.
111. Pain Management in the Chronic Rheumatoid Patient. Atlantic Home Care/Hospice, Millburn, New Jersey, May 2000.
112. Local Anesthetic Pharmacology. Purdue Pharma Inc., Pain Specialist Program, March, 2000.
113. New Guidelines for Pain Management in the Elderly. Rutgers Pain Symposium, Princeton, New Jersey, January 2000.
114. Acute Postoperative Pain Management. Phelps Memorial Hospital, Nyack, New York, December 1999.
115. Neuropathic Pain. Jersey City Medical Center, Jersey City, New Jersey, November 1999.
116. Walking Epidurals for Labor. The Valley Hospital, Ridgewood, New Jersey, November 1999.
117. Post-Operative Pain Management. Department of Surgery, Passaic Valley Hospital, New Jersey, October 1999.
118. Pain Management in the Elderly. Department of Medicine, Grand Rounds, St. Peter's Medical Center, October 1999.
119. Post-Operative Pain Management. Pain Seminar – Warren Hospital, New Jersey, June 1999.
120. Post-Operative Pain Management. Department of Maternal-Fetal Medicine, St. Peter's Medical Center, May 1999.
121. Pain Management and Use of Opioids. New York State Council of Health Systems Pharmacists, Atlantic City, New Jersey, March 1999.
122. Use of Indwelling Pump Systems. Series of lectures given at Purdue Pharma National Meeting, San Diego, California, January 1999.
123. Intraspinal Opioid Use and Selection. The New York State Society of Anesthesiologists (NYSSA), Post Graduate Assembly (PGA), New York, New York, December 1998.
124. Outpatient Cancer Pain Management. Muhlenberg Hospital, Plainfield, New Jersey, September 1998.
125. Treatment of Chronic Benign Pain. Overlook Hospital Internal Medicine Ground Rounds, September 1998.
126. Current Concepts of Outpatient Cancer Pain Management. Somerset Visiting Nurse Association, May 15, 1998.
127. Case Discussion/Basic Science Lectures. A.M. Rounds with Anesthesiology Residents, Beth Israel Medical Center, New York, NY.
128. Problems and Treatment of the In-patient Cancer Patient. Department of Medicine, Beth Israel Medical Center, New York, NY (weekly).