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EDUCATION

- Johns Hopkins University School of Medicine: M.D., May 2008
 - USMLE Step I, Step II CK, Step II CS, Step III: Pass
 - ACLS and BLS certified (2008-current)
- The Pennsylvania State University- Schreyer Honors College: B.S. in Engineering Science, with honors in bioengineering - May 2004, magna cum laude
 - Honors Thesis: Wavelet Analysis of Heart Rate Variability, in collaboration with the National Institute on Aging, NIH (2003-2004)
- American Board of Anesthesiology Certification Exam- pass- 2013
- American Board of Anesthesiology Pain Medicine Exam- pass (99%ile)- 2014

CLINICAL EXPERIENCE

- April 2015-present **Site Director of Tri-Institutional Pain Medicine Fellowship**, Weill Cornell Medical College
- Clinical Competency Committee
 - Program Evaluation Committee
 - Course Co-Director, speaker, and independent clinical reviewer, Tri-Institute Pain Medicine Grand Rounds
- April 2015-present **Chronic Pain Medicine Resident Education Director**, Department of Anesthesiology, Weill Cornell Medical College
- July 2014-present **Site Director of Pain Medicine**, New York-Presbyterian/ Lower Manhattan Hospital
- HCAHPS Steering Committee - NYP/LMH
 - Pain and Palliative Care Service Committee- NYP/LMH
 - Quality and Patient Safety Committee leader for site
- June 2015- Present **Assistant Professor of Anesthesiology**, Weill Cornell Medical College
- Oct 2013- Jun 2015 **Instructor in Anesthesiology**, Weill Cornell Medical College
Assistant Attending Anesthesiologist, New York-Presbyterian Hospital
New York, NY
- July 2012- June 2013 **Fellowship in Pain Management**, Tri-Institute Pain Medicine Fellowship at New York-Presbyterian Hospital/Weill Cornell Medical Center, Memorial Sloan-Kettering Cancer Center, and the Hospital for Special Surgery, New York, NY
- July 2009-June 2012 **Residency in Anesthesiology**, Hospital of the University of Pennsylvania, Philadelphia, PA
- July 2008-June 2009 **Internship in General Surgery**, Johns Hopkins Hospital, Baltimore, MD

RESEARCH EXPERIENCE

- (Dec 2014) **NYSCARF Resident Research Showcase Moderator**
- (2013- present) **Anesthesiology and Pain Management- Mobile Technology Applications Research-**
Weill Cornell Medical College, NY
- (2011- present) **Anesthesiology and Pain Management- Outcomes Research-** Weill Cornell Medical
College, NY and University of Pennsylvania, PA
- (2010) **Anesthesiology and Pain Management-** University of Pennsylvania, PA

- (2007) **Plastic and Reconstructive Surgery-** Johns Hopkins University and Maryland Shock Trauma, MD
- (2005-6) **Orthopedic Surgery/ Sports Medicine-** Johns Hopkins University, MD
- (2003-4) **Honors Thesis Research, Department of Engineering Science,** Pennsylvania State University and The Intramural Research Program, National Institute on Aging, NIH
- (2001) **Biomechanical Engineering Research at the CELOS center,** Pennsylvania State University

PUBLICATIONS

- Chen SA, White RS, Tangel V, Nachamie AS, **Witkin LR**. "Sociodemographic Characteristics Predict Readmission Rates After Lumbar Spinal Fusion Surgery." *Pain Med*. 2019 Feb 6.
- Zhang Y, Johnson P, Jeng PJ, Reid MC, **Witkin LR**, Schackman BR, Ancker JS, Bao Y. "First Opioid Prescription and Subsequent High-Risk Opioid Use: a National Study of Privately Insured and Medicare Advantage Adults." *J Gen Intern Med*. 2018 Sep 11.
- **Witkin LR**, Zylberger D, Mehta N, Hindenlang M, Kean J, Johnson C, Horn SD and Inturrisi C "Patient Reported Outcomes and Opioid Use In Outpatients with Chronic Pain". *J Pain*. 2017 Jan 11. pii: S1526-5900(17)30002-0.
- Cea M, Reid MC, Inturrisi C, **Witkin LR**, Prigerson HG, Bao Y. "Pain assessment, management, and control among patients 65 years or older receiving hospice care in the U.S." *Journal of Pain and Symptom Management*. 2016 Sep 29. pii: S0885-3924(16)30310-4.
- Mehta N, Inturrisi CE, Horn S, **Witkin LR**. "Using Chronic Pain Outcomes Data to Improve Outcomes". Pain Management. Ed. Michael Ashburn and Perry Fine. *Anesthesiology Clinics* 2016 Jun;34(2):395-408.
- **Witkin LR**, Zylberger D, Mehta N, Hindenlang M, Johnson C, Horn SD and Inturrisi C The influence of age and gender on opioid dosage in chronic noncancer pain clinic patients. 2016 May; *J Pain* 17:S87.
- **Witkin, LR**, Gulati, A, Zhang, Tiffany, Karl, Helen. "Lateral Femoral Cutaneous Nerve Entrapment." In Trescot, Andrea. Peripheral Nerve Entrapments- Clinical Diagnosis and Management. Springer Publishing. Switzerland. 2016
- Tedore T, Weinberg R, **Witkin L**, Giambrone GP, Faggiani SL, Fleischut PM. "Acute Pain Management/Regional Anesthesia". Value-Based Care. Ed. Lee A. Fleisher. *Anesthesiol Clin*. 2015 Dec;33(4):739-51.
- **Witkin, Lisa R**, Diskina, Dina, Fernandes, Shawn, Farrar, John Ashburn, Michael. "Usefulness of the Opioid Risk Tool to Predict Aberrant Drug-Related Behavior in Patients Receiving Opioids for the Treatment of Chronic Pain." *Journal of Opioid Management*. 2013 May-Jun;9(3):177-87.
- **Witkin, Lisa R**, Farrar, John T, Ashburn, Michael. "Can Assessing Chronic Pain Outcomes Data Improve Outcomes?" *Pain Med*. 2013 Apr 9 (epub ahead of print).
- Ashburn, Michael, **Witkin, Lisa R**. "Integrating outcome data collection into the care of the patient with pain." *Pain*. 2012 Aug; 153(8): 1549-1550.
- **Witkin, Lisa R**, Gupta, Anita. "Steroids." In Gupta, Anita and Nina Singh-Radcliff. Pharmacology in Anesthesia Practice. New York, NY, Oxford University Press, April 2013.
- **Witkin, Lisa R**, Nguyen HT, Silberstein CE, Fayad LM, McFarland EG. "Abscess after a laparoscopic appendectomy presenting as low back pain in a professional athlete." *Sports Health*. 2011;3(1):41-45.
- Bluebond-Langner, Rachel, **Witkin, Lisa R.**, Rodriguez, Eduardo D. Horizontal maxillary osteotomy with interpositional fibula flap. *Journal of Craniofacial Surgery*. 2008 Sep;19(5):1260-2.

- **Witkin, Lisa R.**; Lidor, Anne; Fayad, Laura; McFarland, Edward; Martire, Joe FACSM. “Low Back Pain in a Professional Baseball Player.” *Medicine & Science in Sports & Exercise*. 38(5) Supplement:S168, May 2006, 1303.
- Mager DE, Merritt MM, Kasturi J, **Witkin LR** et. al. “Kullback-Leibler Clustering of Continuous Wavelet Transform Measures of Heart Rate Variability.” *Biomed Sci Instrum*. 2004;40:337-42.

PRESENTATIONS

- **AcademyHealth 2019 abstract...**
- Stephanie A. Chen, Robert White, Virginia Tangel, Anna Nachamie, **Lisa R. Witkin**. “Sociodemographic characteristics predict readmission rates after lumbar spinal fusion surgery”. American Society of Regional Anesthesia and Pain Medicine (ASRA) fall meeting, Nov 2018.
- **Witkin LR**, Zylberger D, Mehta N, Hindenlang M, Johnson C, Horn SD and Inturrisi C (2016) “Gender and age are determinants of opioid dosage in chronic noncancer pain clinic patients”. World Institute of Pain meeting, June 2016
- Diskina, Dina, **Witkin, Lisa R**, Fernandes, Shawn, Farrar, John Ashburn, Michael. “Usefulness of the Opioid Risk Tool to Predict Aberrant Drug-Related Behavior in Patients Receiving Opioids for the Treatment of Chronic Pain.” Association of University Anesthesiologists 2012 Annual Meeting.
- **Witkin, Lisa R**, Patel, Rishin A, Slevin, KieranA. “Left Stellate Ganglion Blockade for the Management of Drug Resistant Electrical Storm.” Pennsylvania Anesthesiology Resident Research Conference, 2011 Annual meeting. *2nd place award*
- Bluebond-Langner, Rachel, **Witkin, Lisa R.**, Rodriguez, Eduardo D., “LeFort I Osteotomy with Interpositional Fibula Flap for Maxillary Augmentation.” The American Society for Reconstructive Microsurgery Annual Meeting, Jan 2008.
- **Witkin, Lisa R.**; Lidor, Anne; Fayad, Laura; McFarland, Edward; Martire, Joe FACSM. “Low Back Pain in a Professional Baseball Player.” Podium presentation at The American College of Sports Medicine 53rd Annual Meeting, 2006.
- M. Urquidi-Macdonald, **L. Witkin**, D.E. Mager, et al. “Heart Rate Variability Analysis And The Structural Health Of The Heart.” The Joint International Meeting of The Electrochemical Society, Inc. and The Electrochemical Society of Japan, 2004.
- Mager, DE, Merritt MM, Kasturi J, **Witkin LR** et. al, “Kullback-Leibler Clustering of Continuous Wavelet Transform Measures of Heart Rate Variability.” The Rocky Mountain Bioengineering Symposium, Fort Collins, CO, April 2004
- **Witkin, LR**, DE Mager, DR Abernethy. “Heart Rate Variability Analysis Using a Wavelet Transform and Self-Organizing Neural Network.” NIA and NIH Summer Student Poster Presentations, Baltimore and Bethesda, MD, Aug 2003.

JOURNAL REVIEWER

- *Pain Medicine, British Journal of Anaesthesia*

RESEARCH GRANTS

- FTE (5%) on 4-year grant- R01, # 4193202; PI: Bao, Yuhua; Title: State Implementation of the 2016 CDC Guideline for Prescribing Opioids for Chronic Pain: Intended and Unintended Consequences; Grants.gov Tracking #: GRANT12668041, in review
- FTE (8%) on 4-Year grant- R01, # DA049831-01; PI: Charles E. Inturrisi ;Title: Opioid Sparing Dosage and Outcomes in Chronic Cancer and Noncancer Pain Patients (National Institutes of Health), in review
- FTE (10%) on The Applebaum Foundation, Inc- \$50,000 grant, PI: Lisa R. Witkin; 2017-2019, Development of a Multidisciplinary Spine Center Outcomes Registry at WCMC

- Laura & John Arnold Foundation- PI: Bao, Yuhua; 2019, Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV, a National Institute on Drug Abuse Center of Excellence (P30DA040500)

LECTURES

- The Myra Mahon Patient Resource Center- Health Education Seminar : “Getting Older Doesn’t Have to Hurt” (10/03/13)
- NYP Health and Wellness Lecture Series– “ Traditional, Alternative, and Edible Solutions to Neck and Back Pain: A guide to Healthy Living and Treatment” (10/29/13)
- AFSCME District 37 Health Fair Lecture- “Spinal Pain: Evaluation and Management” (10/24/13)
- 40 Worth Physician Practice Lecture- “Spinal Pain: Evaluation and Management” (10/15/13)
- NYP/LMH Surgical PA lecture- “Peri-Operative Pain Management” (11/06/13)
- Ask the Doctor column: “Shingles-related Nerve Pain” featured in Neuropathy E-News and on www.neuropathy.org
<http://www.neuropathy.org/site/News2?page=NewsArticle&id=8577> (11/2013)
- Hosted Facebook Chat-“Post-Herpetic Neuralgia” (12/2013)
- Grand Rounds- Department of Anesthesiology at NYP/LMH- “Peri-Operative Pain Management” (12/19/13)
- Grand rounds- Department of Emergency Medicine at NYP/LMH - “Spinal Pain: Evaluation and Management” (1/2014)
- Southbridge Towers Community Lecture- “ Spinal Pain” (1/2014)
- Grand Rounds -Tri-Institute Pain Medicine– “Complementary and Alternative Medical Therapies for Pain Management” (2/7/2014, 6/2015)
- The Hallmark of Battery Park City, Senior Living Center, Lecture- “Pain and Aging” (6/2014)
- Multidisciplinary Evaluation and Management of Spine Pain Course: (5/10/14)
 - o “WCMC Spine Center Approach to Patient with Neck Pain”
 - o “WCMC Spine Center Approach to Patient with Low Back Pain”
 - o Concluding lecture- “Overview of Evidence Based Spinal Treatment”
- Metropolitan College Wellness Day (7/28/14)
- National Pain Awareness Lecture- NYP/LMH (9/29/14, 9/2015, 9/2016, 9/2017)
- Cadwalader, Wickersham and Taft law firm – “Neck and Back Pain” (11/13/14)
- The Myra Mahon Patient Resource Center – “Knee Pain” (11/18/14)
- CA-3 Lecture: Pain Medicine: Master Seminar: Management of Cancer and Chronic Pain (12/2014, 12/2015, 12/2016, 12/2017)
- Grand Rounds -Department of Anesthesiology “Complimentary and Alternative Therapies for Pain” (3/16/15)
- Pfizer Pain Management Preceptorship (4/15/15)
- NYP/LMH Multidisciplinary Grand Rounds – “Relieving Pain at NYP/LMH” (4/21/15)
- NYP Health Outreach – Multidisciplinary Spine Center- “Neck and Back Pain” (4/28/15)
- Health & Wellness Seminar- “Spine Health: Help is on the Way for Neck and Back Pain- A Multidisciplinary Approach” (5/515)
- Grand Rounds -Tri-Institute Pain Medicine– “Evidence-Based Medicine Approach to Low Back Pain” (7/2015, 8/2016, 8/2017)
- Monthly Pain Resident Education Lectures

- New York Society of Interventional Pain Physicians - "The Most Important Talk of the Whole Day - Outcomes Measures in a Pain Practice" (6/2016)
- Contributed to: "Finding Help for Fibromyalgia." *Women's Health Advisor*. Volume 21/ Number 2 .February 2017
- Pain Board Review Lecture Series- 2/21/2017
- NYP/LMH Multidisciplinary Grand Rounds – "Pain Medicine Guidelines" (4/2017)
- Eastern Pain Association Annual Meeting 2018- "Tracking Outcomes via EMR Based Initiatives," 10/20/18
- NY & NJ Societies of Interventional Pain Physicians 2018 annual meeting- "The Good, Bad, and Ugly Side of Opioids Prescriptions," 11/8/2018

AWARDS

- Certificate, "Institute for Healthcare Improvement Change Conference", March 2016
- Certificate, "Leadership Strategies for Evolving Health Care Executives", The Harvard T. H. Chan School of Public Health, Oct 2015
- Weill Cornell Medical College Healthcare Leadership Fellow, 2015-2016
- New York Super Doctors® Rising Stars (2015)
- New York-Presbyterian Teacher of the Year, Tri-Institutional Pain Medicine Fellowship (2014-2015)
- Mentored Clinical Research Training Program- fellowship recipient (2014-15)
- Scholarship recipient to attend the "Fundamentals of Pain Management: Principals and Practice" course and the 31st Annual Scientific Meeting of the American Pain Society (May, 2012)
- Dean's List Honor (2000-2004)
- Howard J. Waltemeyer, Sr. Scholarship-College of Engineering (2002-2004), Morrow Scholarship-College of Engineering (2001-2004), Petrick Engineering Scholarship (2000-2004), Academic Excellence Scholarship (2000-2004)
- Member of Phi Gamma Phi Honor Society -top 5% (Spring 2002-2004), Golden Key International Honour Society (Fall 2001- 2004), National Society of Collegiate Scholars (Spring 2001-2004), Gamma Sigma Alpha Honors Society (Spring 2001-2004)

PROFESSIONAL SOCIETY MEMBERSHIP

- Member of the Medical Society of the State of New York (2013- present), American Society of Regional Anesthesia and Pain Medicine (2012-current), The New York and New Jersey Societies of Interventional Pain Physicians (2012- current), American Society of Interventional Pain Physicians (2012-current),
- Member of the New York State Society of Anesthesiologist, (2013- present) -Committee on Pain Management (2016-current),
- Member of Eastern Pain Association (2015-2016, 2018 -current) - Annual Meeting Planning Committee (2018), Director-at-Large (2018-current)
- Epic Together- Enterprise Team of Weill Cornell Medicine, New York-Presbyterian & Columbia- Pain representative for the Anesthesiology Department (2018-19)
- Helped revise website content (2018)
- American Academy of Pain Medicine (2017-present)
- Member of American Pain Society (2012-current)- Shared Interest Groups: Complementary and Alternative Medicine, Advancing the Science of Quality, Clinical Trials, Information Technology (2014- current)
- Member of the American Society of Anesthesiologists (2009-current), Pennsylvania Society of Anesthesiologists (2009-2012), ASA Political Action Committee (2011- current)

- Member of the American College of Surgeons (2007-2009)
- Member of the American Medical Student Association, American Medical Association, Med Chi (all 2004-2008)
- Member -Women in Engineering Program (2000-2004), Society of Women Engineers (2000-2004), Women In Science and Engineering Institute (2002-2004)

EXTRACURRICULAR ACTIVITIES

- Schreyer Honors College- volunteer interviewer (2014- present)
- Anesthesia Residency Yearbook Editor (2010-2012)
- Member of the Surgery Interest Group, Grad/Med Jewish Student Association (2004-2008)
- Pregnancy Partnership Mentor (2004), BASE (2004), Volunteer at the Baltimore Rescue Mission Free Medical Clinic (2004-present), Type For Life (2004-present), Hopkins Sports Clinic (2004), Turtle Derby Day (2004), Member of the Greeters Program (2004), Revisit Weekend Committee (2004), AMSA- Residency Fair committee (2005), Knitting Club (2004-present)
- Mentor- Engineering Mentorship Program (2001-2004), Program Assistant -Women In Science and Engineering House (2002-2003)
- Gamma Phi Beta Sorority (2000-2004) - Scholarship Chair (2001-2002), Philanthropy and Fundraising Chair (2000-2001)
- Penn State Dance Marathon, fundraiser for the Four Diamonds Fund supporting children with cancer (2000-2004): Communications- Alumni Relations Committee (2002-2003), Financial Representative of Gamma Phi Beta (2001-2002), Rules and Regulations Committee (2000-2001)
- Intramural Chairperson (2000-2003)

REFERENCES AVAILABLE UPON REQUEST