

Jordan L. Newmark, MD, QME
Anesthesiology & Pain Medicine
E&S Newmark Consulting
Adjunct Clinical Associate Professor
Stanford University School of Medicine

Contact Information:

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Education and Training:

2011-2012, Fellow, Pain Medicine, Stanford University School of Medicine, Department of Anesthesiology, Perioperative & Pain Medicine
Honors/Awards: Chief Fellow, 6/2012-12/2012

2008-2011, Resident, Anesthesia, Massachusetts General Hospital | Harvard Medical School, Department of Anesthesia, Critical Care & Pain Medicine

2007-2008, Intern, Internal Medicine, Hahnemann University Hospital | Drexel University College of Medicine, Department of Medicine

2007, M.D., Temple University School of Medicine
Honors/Awards: Dean's Endowed Medical Scholarship, Class of 1969 Scholarship, American Academy of Neurology Scholarship to Annual Meeting, Multiple Course and Rotation Honors

2003, B.S., University of Maryland—College Park, Psychology (Honors Program)
Honors/Awards: *Summa Cum Laude*, Psychology with Honors Graduate, Mark S. Harper Award for Excellence in Psychology

Licensure and Certification:

ABA Pain Medicine Board Certification, #49624, 09/2014-12/2024
ABA Anesthesiology Board Certification, #49624, 10/2012-12/2022
California Medical License, #A117497, expires 6/30/2023
DEA License with X-Waver, expires 10/31/2023
California Fluoroscopy License, #RHC00171765, expires 12/31/2022
Qualified Medical Evaluator (QME), California Department of Industrial Relations, expires 12/2023
ACLS Certification (AHA), expires 4/2023
BLS Certification (AHA), expires 4/2023

Clinical and Non-Clinical Assignments:

July 2021—Present, *President and CEO*, E&S Newmark Consulting Corporation

- Established in the State of California, July 13th 2021, as a Subchapter Corporation
- Service to the Profession of Medicine, Qualified Medical Evaluation, Expert Witnessing, Career and Admissions Counseling, Leadership / Healthcare Management / Tech Consulting

October 2021—Present, *Full-time Partner*, Anesthesiology and Pain Medicine, Vituity, Washington Hospital Healthcare System

- Clinical anesthesiology and pain medicine for inpatient surgery, outpatient / ambulatory surgery, regional anesthesia, neurosurgical anesthesia, pain medicine consultation service, endoscopy, and obstetrical anesthesia

December 2021—Present, AVA Medical Management and California Department of Industrial Relations

- Qualified medical evaluator for industrial/occupational related acute pain, chronic pain, musculoskeletal, and nerve injury

July 2017—September 2021, *Chair*, Department of Anesthesiology, Alameda Health System

- Responsible for approximately 60 clinicians, staff and trainees with an annual operating budget of \$19-million, labor expenses of \$11-million, and revenue stream of \$33-million.
- Accountable for departmental and perioperative quality, safety, patient access, staffing, recruitment and retention, compliance (eg- TJC, CDPH), financials, contract negotiations, educational activities, collaboration with other departments, system leadership, and overall safety-net service to our East Bay community.
- Redefined our departmental vision, mission, service structure and scope. Now includes inpatient and outpatient pain services, endoscopy anesthesia, out of OR anesthesia, critical care medicine, collaborative emergency airway management, in addition to perioperative care for surgery.
- Created and recruited directors for Pre-Anesthesia clinic, interdisciplinary pain program, regional anesthesia and acute pain management, women's anesthesia, anesthesia quality / safety / education.
- Transition of departmental perioperative services from Highland Hospital to all AHS core hospitals (Highland Hospital, San Leandro Hospital, and Alameda Hospital) in Fall-Winter of 2019
- Participated in merging of AHS physician groups into recently formed, unified entity, East Bay Medical Group (EBMG).
- Departmental collaborative projects include leading efforts regarding COVID-19 response, EPIC EHR implementation, updating documentation and billing processes, pharmacy financial stewardship, RFO policy update, PCEA, IV lidocaine and ketamine, narcotic documentation accuracy, TJC and CDPH survey preparedness and response.
- Collaborated with multiple departments and stakeholders for the initial approval (2017) and maintenance of the American College of Surgeons Level-1 Trauma Designation
- Recruitment of highly talented and diverse physicians and staff to mirror our patient population and bring important knowledge and skills into our department / practice.

July 2017—July 2018, *Interim Director*, Pain & Functional Restoration Program, Alameda Health System

- Highland Hospital based outpatient program for patients with chronic pain and opioid use disorder.
- Refocused and restructured the program into an interdisciplinary, collaborative program with new vision, mission, scope of services and referral processes to include inpatient and outpatient care, interventional procedures, weekly interdisciplinary team meetings, opioid safety and monitoring measures, increased utilization of buprenorphine for pain.
- Recruited and mentored Medical Director / Division Chief for Pain Medicine as well as additional anesthesiologists and pain psychologist.

May 2021—Present, *Adjunct Clinical Associate Professor*, Department of Anesthesiology, Perioperative & Pain Medicine, Stanford University School of Medicine

- Direct patient care and bedside teaching with ACGME Pain Medicine fellows within the Stanford Redwood City outpatient Pain Clinic
- Chronic pain and opioid safety teaching, lectures and mentorship to Pain Medicine fellows
- Opioid related simulation utilizing standardized actors for Pain Medicine Fellows and Anesthesiology residents within the Center for Immersive and Simulation based Learning
- Leadership lectures, teaching and mentorship for Perioperative Management fellows

July 2017—April 2021, *Adjunct Clinical Assistant Professor*, Department of Anesthesiology, Perioperative & Pain Medicine, & Division of Addiction Medicine within the Department of Psychiatry & Behavioral Sciences (by courtesy), Stanford University School of Medicine

- As above, with inclusion of Addiction Medicine fellows

November 2014—June 2017, *Clinical Assistant Professor*, Department of Anesthesiology, Perioperative & Pain Medicine, & Division of Addiction Medicine within the Department of Psychiatry & Behavioral Sciences (by courtesy), Stanford University School of Medicine:

- Leadership: Associate Division Chief for Education and Associate Fellowship Director, Division of Pain Medicine. Governance Committee, Division of Pain Medicine.
- Site Director for San Pablo Pain Medicine Clinic for University HealthCare Alliance.
- Adult OR Multispecialty Division: Level-1 trauma, general OR, ambulatory anesthesia, neurosurgical and orthopedic spine anesthesia.
- Labor and Delivery Anesthesia: Night call at Lucile Packard Children’s Hospital (LPCH).
- Pain Medicine Clinics: Orofacial chronic pain and headache service, primary care outreach at San Pablo, outpatient pain procedure service.
- Acute Pain Service: Inpatient consultation and management, and pain procedures.

January 2013—October 2014, *Clinical Instructor*, Department of Anesthesiology, Perioperative & Pain Medicine, Stanford University School of Medicine:

- Adult OR Multispecialty Division: Level-1 trauma, general OR, ambulatory anesthesia, neurosurgical and orthopedic spine anesthesia.
- Labor and Delivery Anesthesia: Night call at Lucile Packard Children’s Hospital (LPCH).
- Pain Medicine Clinics: Orofacial chronic pain and headache service, primary care outreach at San Pablo, outpatient pain procedure service.
- Acute Pain Service: Inpatient consultation and management, and pain procedures.

August 2011—January 2011, *Staff Anesthesiologist (Per-Diem)*, NYC Health & Hospitals Corp | Elmhurst Hospital Center, Mt. Sinai School of Medicine:

- Level-1 (NY State) trauma, labor and delivery, general OR, pre-anesthesia clinic, acute pain service.

Other Leadership Roles:

2020-9/2021, Founding Member, Bay Area Safety-Net Perioperative Consortium

2018-9/2021, Board of Directors, Alameda Health System Foundation, 501(c)(3)

2020-9/2021, Chair, Orthopedic Surgery Chair Search Committee, Alameda Health System

2018-9/2021, Co-Chair, AHS Perioperative Operations Committee, Alameda Health System

2017-2019, Co-Chair, Pain and Addiction Committee, Alameda Health System

2017-2019, Co-Chair, Anesthesiology Quality Review Committee, Alameda Health System

2016-2017, Founding Physician Member, Patient Family Advisory Council (PFAC) for Pain Medicine, Stanford Health Care.

2016-2017, Co-Chair, Pain and Addiction Core Competency and Curriculum Development Dean's Task Force for Medical Students, Stanford University School of Medicine
2016-2017, Founding Member, Pain Fellowship 1:1 mentorship program, Stanford University
2014-2017, Co-Chair, Pain Medicine Fellowship Scholarship Program Selection Committee, American Academy of Pain Medicine (AAPM)
2014-2017, Co-Chair, Graduate Medical Education Special Interest Group (SIG), American Academy of Pain Medicine (AAPM)
2014-2017, Chair, Clinical Competency Committee, Pain Medicine Fellowship, Stanford University
2014-2017, Division of Pain Medicine Governance Committee, Stanford University
2013-2017, Chair, Pain Medicine Fellowship Selection Committee, Stanford University

Honors & Awards:

2021 Quarter 4, Quality and Safety Innovation Award—Teamwork, Communication and Safety Climate, Department of Anesthesiology, Alameda Health System.

2021 Quarter 1 (Inaugural), Quality and Safety Innovation Award—Controlled Substance Discrepancy Management, Departments of Anesthesiology and Pharmacy, Alameda Health System.

California Health and Human Services Agency / Cal Hospital Compare 2020 Opioid Care Honor Roll and Maternity Care Honor Roll for Highland Hospital

American Academy of Pain Medicine (AAPM) 2017 Pain Medicine Fellowship Excellence Award for Stanford University School of Medicine

AAPM 2017 Annual Meeting Scientific Poster Abstract Winner: **Newmark JL** "Use of Simulation and Immersive Learning to Teach Safe Opioid Prescribing"

Outstanding Teacher of the Year Award, 2016. Division of Pain Medicine. Department of Anesthesiology, Pain & Perioperative Medicine, Stanford University School of Medicine.

2013-2014, Scholar, Teaching Scholars Program, Department of Anesthesiology, Pain & Perioperative Medicine, Stanford University School of Medicine

Grant Funding:

4/2016-12/2016, Stanford Medicine Teaching and Mentoring Academy Innovation Grant, Office of the Vice Provost. "Use of Simulation and Immersive Learning Techniques to Develop a Point of Care Cognitive Aid for Safe Opioid Prescribing." Role: PI. PTA# 1175550-106-AABKS.

Peer-Reviewed Journal Articles:

Purvis T; **Newmark J**; Brenner G; Brodник D; Kohan L: "Pain Education Innovations during a Global Pandemic." *Pain Med.* 2021 Sep 8;22(9):1891-1896.

Heirich M; Sinjary L; Ziadni M; Sacks S; Buchanan A; Mackey S; **Newmark J**: "Use of Immersive Learning and Simulation Techniques to Teach and Research Opioid Prescribing Practices." *Pain Med.* 2019 Mar 1;20(3):456-463.

Raber I; Ball A; Papac J; Aggarwal A; Sussman R; Basaviah P; **Newmark J**; Lembke A: "Qualitative Assessment of Clerkship Students' Perspectives of the Topics of Pain and Addiction in their Preclinical Curriculum." *Acad Psychiatry*. 2018 Oct;42(5):664-667

Lembke A; Humphreys K; **Newmark J**: "Weighing the Risks and Benefits of Chronic Opioid Therapy." *Am Fam Physician*. 2016 Jun 15;93(12):982-90.

- Cover status and associated editorial provided.
- Reprinted in the *Indian Journal of Clinical Practice*. 2019 29(9):809-817.
- Referenced in the ACGME Program Director's Guide to the Common Program Residency Requirements V1.0, June 2019.

Giblin K; **Newmark JL**; Brenner GJ; Wainger BJ: "Headache Plus: Trigeminal and Autonomic Features in a Case of Cervicogenic Headache Responsive to Third Occipital Nerve Radiofrequency Ablation." *Pain Med*. 2014;15(3):478-478.

Brenner, GJ; **Newmark, JL**; Raemer, D: "A Curriculum and Cases for Pain Medicine Crisis Resource Management Education." *Anesth Analg*. 2013;116(1):107-110.

Newmark, JL; Mehra, A; Singla, AK: "Radiocontrast Media Allergic Reactions & Interventional Pain Practice—A Review." *Pain Physician*. 2012;15(5):E665-675.

Newmark, JL; Ahn, YK; Adams, MC; Bittner, EA; Wilcox, SR: "Use of Video Laryngoscopy and Camera Phones to Communicate Progression of Laryngeal Edema in Assessing for Extubation: A Case Series." *Journal of Intensive Care Medicine*. Feb 14 2012; doi:10.1177/0885066612437528.

Newmark, J; Dandolu, V; Milner, R; Grewal, H; Harbison, S; Hernandez, E: "Correlating Virtual Reality and Box Trainer Tasks in the Assessment of Laparoscopic Surgical Skills." *American Journal of Obstetrics & Gynecology*. 2007;197(5):546.e1-4.

Newmark, JL; Voelkel, M; Brandom, BW; Wu, J: "Delayed Onset of Malignant Hyperthermia without Creatine Kinase Elevation in a Geriatric, RYR1 Compound Heterozygous Patient." *Anesthesiology*. 2007; 107(2):350-353.

Dandolu, V; **Newmark, J**: "Teaching Surgical Skills." Reply. *New England Journal of Medicine*. 2007; 356(13):1381.

Book Chapters:

Hochkeppel, J; **Newmark, JL**: "Ch. 19: Simulation in Interdisciplinary Pain Medicine". *Comprehensive Healthcare Simulation: Anesthesiology*. Mahoney B; Minehart R; Pian-Smith M. 2016-2017.

Reed, MJ; Singh, N; **Newmark, JL**: "Ch. 9: Pain Medicine Education in Anesthesiology Training". *Education in Anesthesia: How to Deliver the Best Learning Experience*. Bowe, E et al. 2016-2017.

Newmark JL: "Ch. 6: Tapering Opioids". *Opioid Prescribing and Monitoring*. Christo, P et al. 2016.

Fishman, MA; Pritzlaff, SG; **Newmark, JL**: "Ch. 90: Common Pain Syndromes". *Anesthesiology*. 3rd Ed., Longnecker, DE et al. 2015.

Telusca, N; Ganguly, K; Jeter, C; **Newmark, JL**: “Ch. 37: Substance Abuse among Healthcare Professionals”. *Substance Abuse: Inpatient and Outpatient Management for Every Clinician*. 1st Ed., Kaye, AD; Vadivelu, N; Urman, RD. 2015.

Ottestad, E; **Newmark, JL**; Carroll, I: “Appendix C: Standard Perioperative Pain Management”. *Anesthesiologist’s Manual of Surgical Procedures*. 5th Ed., Jaffe RA; Schmiesing CA; Golianu B. 2014.

Newmark, JL: “Ch. 23: Basic Principles of Neural Blockade”. *Pain Procedures in Clinical Practice*. Philadelphia. Elsevier, 3rd Ed., 2011.

Newmark, JL; Sandberg, WS: “Ch. 6: Supraglottic Airway Devices”. *The MGH Textbook of Anesthetic Equipment*. Philadelphia. Elsevier, 1st Ed., 2010.

Newmark, JL; Sandberg, WS: “Ch. 9: Non-Invasive Physiologic Monitors”. *The MGH Textbook of Anesthetic Equipment*. Philadelphia. Elsevier, 1st Ed., 2010.

Abstracts, Posters, and Presentations at National Meetings:

Shen RS; Kochat S; Boparai N; Yi P; **Newmark JL**: Observational Opioid Use Disorder Simulation. Abstract & Oral Presentation. California Society of Anesthesiologists Annual Meeting. April 8th, 2022, San Diego California.

Purvis T; **Newmark J**; Brenner G; Brodник D; Kohan L: A Survey of Pain Fellowship Program Directors on Medical Simulation. Poster & Abstract. AAPM Annual Meeting. March, 2022, Scottsdale Arizona.

Suhas, K; Boparai, N; Shen, R; Yi, PK; **Newmark, JL**: Observational Opioid Use Disorder Simulation. Poster & Abstract. AAPM Annual Meeting. March, 2022, Scottsdale Arizona.

Aggarwal, A; Schmiesing, C; **Newmark, J**: Perioperative Safety in the Era of Buprenorphine Safety. Poster. National Patient Safety Foundation, Annual Meeting. May, 2017, Orlando Florida.

Heirich, M; Mackey, S; **Newmark J**: Use of Simulation as a Teaching and Research Tool for Opioid Management: Implications for Patient Communication Skills. Abstract for American Pain Society Annual Meeting. May, 2017, Pittsburgh Pennsylvania.

Newmark, JL: Use of Simulation and Immersive Learning to Teach and Research Safe Opioid Prescribing. March 17th, 2017. Poster & Presentation. 33rd AAPM Annual Meeting, Orlando Florida.

Heirich, M; Mackey, S; **Newmark J**: Simulation for Chronic Pain Opioid Management: Sympathy Affects Physician Prescribing Decisions. Abstract for Society of Behavioral Medicine Annual Meeting. March, 2017, San Diego California.

Newmark, JL: Use of Simulation and Immersive Learning to Teach and Research Safe Opioid Prescribing. Poster. 33rd AAPM Annual Meeting. March, 2017, Orlando Florida.

Aggarwal, A; Schmiesing, C; **Newmark, J**: Assessment of Buprenorphine Management in the Perioperative Period. Poster. 33rd AAPM Annual Meeting. March, 2017, Orlando Florida.

Chen, FW; Nguyen, LA; **Newmark, JL**: Novel Uses of Neuromodulators in Treating Functional Abdominal Pain. Poster 354. 81st American College of Gastroenterology Annual Meeting. October, 2016, Las Vegas Nevada.

Saw, N; Campos, L; **Newmark, JL**: Creation of White Paper Guidelines to Reduce Neuromodulation Associated Infections. Poster. 54th Annual Western Anesthesia Resident's Conference (WARC). May 2016, San Francisco, California.

Ruby, J; Ozawa, MG; **Newmark, JL**: Acute Pain Management using a Lidocaine Infusion in a Patient concurrently receiving Intralipid via TPN. Poster. Medically Challenging Cases. American Society of Anesthesiologists Annual Meeting, October 2015, San Diego California.

Raleigh, LA; Collins, J; **Newmark, JL**: CURES for Opioid Resistance. Poster. 52nd Annual Western Anesthesia Resident's Conference (WARC). May 2014, Los Angeles California.

Gulur, P; **Newmark, JL**; Wang, JP: Delayed Spinal Epidural Hematoma Following Epidural Catheter Removal with Re-Initiation of Warfarin: A Case Study. Medically Challenging Cases, Poster. American Society of Anesthesiologists Annual Meeting, October 2012, Washington DC.

Newmark, JL; Gordon, JA; Hayden, EM; Oriol, NE; Pawlowski, JB: Use of Simulation-Based Cases in Pain Medicine to Teach Medical and Dental Student Basic Science Pharmacology. Poster. 11th Annual International Meeting on Simulation and Healthcare, January 2011, New Orleans Louisiana.

Newmark, JL; Del Rio, JM; Bittner, EA: Massive Postoperative Myocardial Infarction after Right Hepatectomy in a Patient with Severe Coronary Artery Disease, Five Coronary Stents in Place, and Not on Antiplatelet Therapy: Would Preoperative Medication or Further Management have Avoided Disaster? Medically Challenging Cases, Poster. American Society of Anesthesiologists Annual Meeting, October 2009, New Orleans Louisiana.

Dandolu, V; **Newmark, J**; Milner, R; Grewal, H; Hernandez, E: The Influence of Attending Physicians Upon Medical Student Specialty Choice. Abstract and Poster, American Urogynecologic Society Annual Meeting, September 2007, Hollywood Florida.

Dandolu, V; Jaspan, D; **Newmark, JL**: Medical Student Career Choice and Innate Surgical Skills. Abstract and Poster, Society of Gynecologic Surgeons Annual Meeting, April 2007, Orlando Florida.

Newmark, JL; Hernandez, E; Grewal, H; Milner, R; Harbison, S; Dandolu, V: Correlation between Lapsim and Box Trainer for Laparoscopic Skills Evaluation. Abstract and Presentation, Association of Professors of Gynecology & Obstetrics Council on Education in Obstetrics and Gynecology Annual Meeting, March 2007 Salt Lake City, Utah.

Peer Review Journal Reviewer:

PLOS-One, 2017-Present

Pain Medicine, 2014-2017

Committee and Administrative Memberships:

2020-Present, Associate Member, Pain and Addiction Research Center (PARC), University of California—San Francisco (UCSF)

2020-1/2021, Member, Alameda Health System Foundation, President Search Committee
2020-Present, Member, Operating Room Committee, Stanford University School of Medicine
2020-9/2021, Member, COVID-19 Response and Planning Team, Alameda Health System
2019-9/2021, Member, Drug screening and employment working group, Alameda Health System
2019-9/2021, Member, Anesthesiology Quality Review Committee, Alameda Health System
2018-9/2021, Member, EPIC Transition Working Group (Perioperative), Alameda Health System
2017-9/2021, Member, AHS Credentialing and Privileging Committee, Alameda Health System
2017-9/2021, Member, AHS Sedation Committee, Alameda Health System
2017-9/2021, Member, Medical Executive Committee, Alameda Health System
2017-9/2021, Member, Pharmacy and Therapeutics Committee, Alameda Health System
2017-9/2021, Member, Operating Room Executive Committee, Alameda Health System
2017-9/2021, Member, Interdepartmental Professional Practice Committee
2017-2018, Member, East Bay Safe Opioid Prescribing Coalition, ACCMA
2016-5/2021, (Adjunct) Faculty Member, Addiction Medicine Fellowship, Department of Psychiatry & Behavioral Sciences, Stanford University School of Medicine
2016-5/2020, (Adjunct) Faculty Member, Advanced Training in Medical Education Fellowship, Stanford University, Department of Anesthesiology, Perioperative and Pain Medicine
2015-2016, Member, MD Admissions Committee and Faculty Interviewer for Applicants
2015, Member, Clinical Research Working Group, Stanford University, Department of Anesthesiology, Perioperative and Pain Medicine
2014-2017, Member, AAPM Medical Student Education SIG
2014-2017, Member, AAPM Interdisciplinary Pain SIG
2013-2017, Member, Association of Pain Program Directors (APPD)
2013-2017, Pain Medicine Representative, Cross Fellowship Council, Stanford University
2013-2017, Pain Medicine Representative, Anesthesia Education Committee, Stanford University
2010-2011, Member, Anesthesia Resident Selection Committee, Massachusetts General Hospital

Institutional Presentations:

Newmark, JL: Patient Voices: Sharing of Perioperative and Pain Patient Experiences at AHS. September 16th, 2021. Department of Anesthesiology Grand Rounds, Alameda Health System. Oakland, California.

Newmark, JL; Patel P: Improving Anesthesia Controlled Substance Discrepancies at AHS. August 25th, 2021. AHS Board of Trustees, QPSC Committee, Alameda Health System. Oakland, California.

Newmark, JL: Pain Anatomy, Physiology and Transmission. August 23rd, 2021. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Overview of Perioperative Leadership: The Experience of a Community Chair. July 21st, 2021. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Basics of Anesthesia and Perioperative Care for OR-RNs. July 19th, 2021. Perioperative 101 Program for new OR-RNs. Alameda Health System, Highland Hospital, Oakland California.

Newmark, JL: Basic Pain Anatomy and Physiology. August 7th, 2020. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Perioperative and Bridge Buprenorphine. February 21th, 2020. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Basic Anesthesia Leadership: The Experience of a Community Chair. February 5th, 2020. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Perioperative and Bridge Buprenorphine. February 11th, 2019. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Basic Anesthesia Leadership: The Experience of a Community Chair. December 12th, 2018. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Basic Pain Physiology. August 17th, 2018. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Overview of Chronic Pain Management. June 29th, 2018. Department of Medicine Grand Rounds, Alameda Health System. Oakland, California.

Newmark, JL: Management of Buprenorphine Within the Perioperative Period. June 7th, 2018. Department of Anesthesiology Grand Rounds, Alameda Health System. Oakland, California.

Newmark, JL: Obstetrical Anesthesia at Highland Hospital, An Update. March 28th, 2018. Department of Obstetrics and Gynecology, Alameda Health System. Oakland, California.

Newmark, JL; Management of Buprenorphine Within the Perioperative Period. Buprenorphine/Naloxone for Pain and Opioid Use Disorder, Plenary Session 313. April 28st, 2018. American Academy of Pain Medicine. Vancouver, Canada.
- Oral presentation by Herring, A, in my absence.

Newmark, JL; Babaria, P: Update on Chronic Pain and Functional Restoration Clinic Redesign. November 30th, 2017. AHS Board of Trustees, QPSC Committee, Alameda Health System. Oakland, California.

Newmark, JL: Pain Control: An Overview of Pain Management. November 9th, 2017. UCSF East Bay General Surgery Program Grand Rounds. Oakland, California.

Newmark, JL: Basic Pain Physiology. October 20th, 2017. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Chronic and Cancer Pain Management. June 12th, 2017. CA-2 Anesthesia Resident Lecture Series. Palo Alto, California.

Heirich, M; **Newmark, JL:** Mechanisms Surrounding Unsafe Opioid Prescribing in an SP-based Simulation Module". May 22nd, 2017. 10th Annual CISL Symposium. Center for Immersive and Simulation-Based Learning. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Validation of Patient Pain Experiences. May 8th, 2017. "Service Excellence" Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Overview of Pain Management. April 25th, 2017. Introduction to Abnormal Psychology (PSYCH 95) Undergraduate Student Lecture. Stanford University, Palo Alto, California.

Newmark, JL: Overview of Pain Management. April 13th, 2017. Practice of Medicine (POM Q6), Medical Student Lecture. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Basics of Opioids. March 21st, 2017. Anesthesiology Residency Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Use of Simulation as a Novel Strategy for Pain Education. March 3rd, 2017. Pain Medicine Didactic Lecture Exchange Series. University of California-San Francisco (UCSF) School of Medicine, San Francisco, California.

Newmark, JL: Basic Pain Physiology. January 24th, 2017. Anesthesiology Residency Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Basic Pain Physiology. September 16th, 2016. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Redwood City, California.

Newmark, JL: Opioids for Low Back Pain. September 11th, 2016. Stanford Back Pain Education Day, Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Safe Outpatient Management of Opioids for Chronic Pain. August 4th, 2016. Palliative Medicine Didactic Lecture Series, Stanford University School of Medicine, Palo Alto, California.

Newmark, JL: Use of Simulation to Research and Teach Safe Opioid Management. "SNAPL Presents" lecture series. June 30th, 2016. Systems Neuroscience and Pain Lab, Stanford University, Palo Alto California.

Newmark, JL: Chronic and Cancer Pain Management. June 13th, 2016. CA-2 Anesthesia Resident Lecture Series. Palo Alto, California.

Newmark, JL: Safe Outpatient Management of Opioids for Chronic Non-Cancer Pain. May 13th, 2016. Santa Rosa Memorial Hospital / St. Joseph Health. Santa Rosa, California.

Newmark, JL: Overview of Chronic Pain for the Gastroenterologist. Digestive Disease Clinical Conference Series. May 4th, 2016. Division of Gastroenterology & Hepatology. Stanford University School of Medicine. Palo Alto, California.

Hah, J; **Newmark, JL:** Capstone Lecture regarding Pain Management for MS-IV students. April 26th, 2016. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Use of Simulation to Research and Teach Opioid Management. 9th Annual CISL Symposium. April 20th, 2016. Center for Immersive and Simulation-Based Learning. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Basic overview of chronic pain. Health education outreach to undergraduate college students. April 15th, 2016. BIO 150, Human Behavioral Biology, Stanford University. Palo Alto, California.

Newmark, JL: Rebounding from chronic disease. Clinical care updates discussion panel. April 6th, 2016. Stanford Health Care and Golden State Warriors collaboration. Oracle Stadium, Oakland, California.

Newmark, JL: Basic Pain Physiology. February 29th, 2016. Pain Medicine Didactic Lecture Series. Redwood City, California.

Newmark, JL; Hoelzer B; Singh, N: Creating Effective Simulation and Immersive Learning Experiences for Pain Medicine Education. Panel discussion moderator and speaker: (i) Elements of Effective Simulation and Immersive Learning Experiences in Pain Medicine (ii) Use of Standardized Patients in Pain Medicine. February 21st, 2016. American Academy of Pain Medicine. Palm Springs, California.

Newmark, JL: Basics of opioid risk assessment prescribing safety. February 16th, 2016. Addiction Medicine Dual Diagnosis Clinic, Didactic Lecture Series. Palo Alto, California.

Newmark, JL: Basic Pain Physiology. January 26th, 2016. CA-1 Anesthesia Resident Lecture Series. Palo Alto, California.

Newmark, JL: Management of Acute on Chronic Pain. January 21st, 2016. Regional Anesthesia Fellow Lecture Series. Palo Alto, California.

Newmark, JL: Chronic and Cancer Pain Management. June 15th, 2015. CA-2 Anesthesia Resident Lecture Series. Palo Alto, California.

Ray, N; **Newmark, JL;** Kao, MC; Mackey, SC: The Impact of Health Outcomes Information Registries on the Future of Graduate Medical Education. June 8th, 2015. Inaugural Stanford Resident Quality Improvement and Patient Safety Research Symposium. Palo Alto, California.

Newmark, JL: Use of Simulation to Research and Teach Opioid Management. 8th Annual CISL Symposium. May 13th, 2015. Center for Immersive and Simulation-Based Learning. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Basic Pain Physiology. April 28th, 2015. CA-1 Anesthesia Resident Lecture Series. Palo Alto, California.

Newmark, JL: Cardiovascular Structure, Homeostasis and Transport. April 28th, 2015. Health and Human Disease-221, Basic Cardiovascular Block for 1st year Stanford University medical students. Palo Alto, California.

Newmark, JL: Overview of Pain Medicine for the Primary Care Physician. Noon Conference Series. April 16th, 2015. Department of Medicine, Residency Training Program. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Opioid Management for the Sleep Medicine Physician. Sleep Medicine didactic lecture series. April 3rd, 2015. Stanford University School of Medicine. Palo Alto, California.

Newmark, JL: Pain Medicine Strategic Goals for Education. Division of Pain Medicine Strategic Retreat. February 27th, 2015. Stanford University School of Medicine. Palo Alto, California.

Lembke, A; **Newmark, JL:** Opioid REMS Training (Risk Evaluation and Mitigation Strategy for Extended-Release and Long-Acting Opioids) and Topics in Addiction Medicine. February 10th, 2015. Community Health Partnership / Santa Clara Valley Medical Center. San Jose, California.

Newmark, JL: Pain Medicine Simulation Program to Teach and Study Opioid Management. January 14th, 2015. INDE-233, Medical Education Seminar, Stanford Center for Medical Education Research and Innovation. Palo Alto, California.

Newmark, JL: Physiology of Pain Transmission and Modulation. April 29th, 2014. CA-1 Anesthesia Resident Lecture Series. Palo Alto, California.

Newmark, JL: Cardiovascular Structure, Homeostasis and Transport. April 29th, 2014. Health and Human Disease-221, Basic Cardiovascular Block for 1st year Stanford University medical students. Palo Alto, California.

Newmark, JL: Overview of Chronic Pain: Considerations for the Obstetrician/Gynecologist. April 23rd, 2014. Grand Rounds, Department of Maternal-Child Health, Highland Hospital / Alameda County Medical Center. Oakland, California.

Newmark, JL: Development of an Opioid Prescribing and Management Simulation Curriculum. January 16th, 2014. Stanford Medical Education Seminar Series, Department of Anesthesiology and General Surgery. Palo Alto, California.

Newmark, JL: Development of a Pain Medicine Simulation Curriculum. September 26th, 2013. Stanford Anesthesia Medical Education Research Summit. Palo Alto, California.

Newmark, JL: Education in Pain Medicine: Historical Perspectives, Future Considerations. July 11th, 2013. Visiting Professorship. University of California—Davis School of Medicine, Division of Pain Medicine. Sacramento, California.

Newmark, JL: PK and PD of Intra-Articular Steroids. March 22nd, 2013. Pain Medicine Didactic Lecture Series. Redwood City, California.

Newmark, JL: Glucocorticoid Injection Therapy and Acute Injury. March, 2012. Pain Medicine Morbidity and Mortality. Redwood City, California.

Newmark, JL; Gulur, P: Delayed Spinal Epidural Hematoma After Epidural Catheter Removal with Reinitiation of Warfarin: A Case Report. Poster #154. MGH Clinical Research Day, Poster. October 6th, 2011. Boston Massachusetts.

Wilcox, SR; **Newmark, JL;** Ahn, YK; Adams, MC; Bittner, EA: Use of Video Laryngoscopy and Camera Phones to Communicate Progression of Laryngeal Edema in Assessing for Extubation: A Case Series. Poster #231. MGH Clinical Research Day, Poster. October 6th, 2011. Boston Massachusetts.

Newmark, JL; Chen, TY: Fade to Black—Intraoperative Electrical Power Failure. Case Conference Presentation. Department of Anesthesia, Critical Care & Pain Medicine. Massachusetts General Hospital. August 26th, 2011. Boston Massachusetts.

Newmark, JL; Pawlowski J: Use of Simulation in Preclinical Medical Education: Teaching Basic Science Pharmacology at Harvard Medical School. Abstract and Poster. 9th Annual Medical Education Day. The Academy at Harvard Medical School. October 26th, 2010. Boston Massachusetts.

Non Peer-Reviewed Articles & Press Mentions:

Holzman, DC; Immersive Training Experience Helps Teach Safe Opioid Prescribing. Pain Medicine News. July 27th, 2017 (press mention).

Newmark, JL; Simulation and Immersive Training Teaches Safe Opioid Prescribing to Pain Medicine Fellows & Anesthesiology Residents. Practical Pain Management. April, 2017.

Anderson, P; Simulation Promising Pain Medicine Teaching Tool. Medscape Neurology News. March March 23rd, 2017 (press mention).

Fiore, K; Biopsychosocial Rehab Approach May Ease Intense CNS Pain. Medpage Today, AAPM Meeting Coverage. March 19th, 2017 (press mention).

American Academy of Pain Medicine (AAPM); Simulation and Immersive Learning Shown to Successfully Teach Safe Opioid Prescribing in a Medical School Setting. AAPM Press Release. March 16th, 2017 (press mention).

Newmark, JL; Strategies for Weaning Opioids in Patients with an Opioid Use Disorder and Chronic Pain. Practical Pain Management. March, 2017.

Jacewicz, N; As Opioid Epidemic Surges, Medical Schools Try to Keep Pace. NPR / Kaiser Health News. July, 2016 (press mention).

Newmark, JL; Rosenberg, H. "Ambulatory Center MH Death Invokes Many Questions". *The Communicator* by MHAUS. 2007,25(3):2-3.

Clinical Teaching Responsibilities:

July 2017-September 2021. In collaboration with the AHS Medical Director for Anesthesia Education, operating room and pain clinic bedside and didactic teaching of UCSF rotating medical students, Kaiser-Oakland ENT surgery interns, AHS OMFS residents, AHS internal medicine residents, AHS emergency medicine residents, and Samuel Merritt SRNAs.

July 2017-Present. Perioperative Management Fellowship didactic lectures and mentorship. Stanford University.

May 2015-June 2017. ANES 304A: Chronic Pain Management Clerkship, Course Director. Stanford University.

May 2015- June 2017. MED 313A: Ambulatory Medicine Core Clerkship, Pain Clinic Course Director. Stanford University.

July 2016- June 2017. Addiction Medicine Fellowship Pain Management affiliated faculty member and supervisor. Stanford University

June 2016- June 2017. Advanced Training in Medical Education Fellowship affiliated faculty member and supervisor. Stanford University

May 2015-June 2017, Associate Division Chief for Education, Division of Pain Medicine, Stanford University. Responsible for all aspects of education (undergraduate, graduate and continuing medical education) within the pain division. This includes orientation, curriculum development, assessment, mentoring, and compliance with GME/CME metrics.

August 2013-June 2017, Associate Fellowship Director, Pain Medicine, Stanford University. Includes fellowship selection committee, development of a behavioral interviewing program, frequent pain medicine didactic lectures to pain medicine fellows and anesthesia residents. Other duties include curriculum and rotation development, mentoring and career counseling, recruitment of future fellows, etc...

2011-2012, Chief Pain Medicine Fellow: Procedure and ward teaching to anesthesia residents and medical students, Stanford University School of Medicine, Department of Anesthesia

Fall-Winter 2011, Anesthesia Attending: OR teaching to anesthesia residents and medical students, Elmhurst Hospital Center / Mt. Sinai School of Medicine, Department of Anesthesiology

2008-2011, Anesthesia Resident: Perioperative teaching to medical students, Harvard Medical School, Department of Anaesthesia

Other Teaching, Training & Educational Experiences:

Winter 2021. CITI Program certification for human subjects research protections, Stanford University School of Medicine.

Winter 2019-9/2021. AHS Leadership Academy for Organizational Learning and Effectiveness.

Fall 2019-9/2021. AHS Department of Anesthesiology retreat and team building activities for improved interdepartmental teamwork, collaboration and communication skills.

Fall 2016-Present. Institute for Healthcare Improvement (IHI) Open School. Self-directed modules and pod-casts surrounding leadership, quality improvement, education and patient safety.

Fall 2018. Emergency Management Institute Online Training Certificate. IS-100.C, Introduction to Command System & IS-200.C, Basic Incident Command System Initial Response. Federal Emergency Management Agency.

Fall 2018. AHS EPIC Super-User Training.

Winter 2013. Simulation Instructor Course. Center for Immersive and Simulation Based Learning (CISL), Stanford University School of Medicine

Summer 2013-June 2017. Collaborative case-based pain medicine teaching conferences between Stanford University and the University of California—Davis

Summer 2013-June 2017, “Libero” teaching sessions, small group teaching sessions on selected ABA ITE examination keyword topics. Department of Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine

Spring, 2013-June 2017, Formal and informal mock ABA oral board examination for anesthesia fellows and residents, Stanford University School of Medicine

Winter, 2013-June 2017, Small group learning session regarding perioperative delirium and pain, Practice of Medicine (POM) Course for Year 2 Medical Students (INDE-201), Stanford University School of Medicine

Winter 2010, In-situ Simulation: Local Anesthetic Systemic Toxicity, Post Anesthesia Care Unit, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital

Summer 2010, Year-I Orientation: Introduction to the Profession & Vital Signs, Harvard Medical School

Spring 2010, Developed basic pharmacology simulations for medical and dental students, Gilbert Program in Simulation, Harvard Medical School

Winter 2009, Year-II Renal Pathophysiology, Gilbert Program in Simulation, Harvard Medical School

Winter 2009, Year-II Pulmonary Pathophysiology, Gilbert Program in Simulation, Harvard Medical School

Other Academic Projects and Activities:

Utilizing EPIC to analyze patient safety and quality of care as it related to opioid safety by utilizing a co-management, interdisciplinary team of pain medicine and addiction medicine physicians within Alameda Health System. 2018-Present.

Development and implementation of opioid prescribing related simulations and research surrounding use and analysis of learner performance at Stanford for teaching pain medicine to pain fellows and anesthesiology residents. 2012-Present.

Provide content and help develop educational and administrative content for the Association of Pain Program Directors (APPD) website. 2014-2017.

Utilization of Collaborative Health Outcomes Information Registry (CHOIR) for the ACGME Next Accreditation System and Clinical Learning Environment Pathways to Excellence. 2014-2017.

Stanford pain fellow learning milestones implementation. 2014-2016.

Stanford anesthesia resident learning milestones for three pain rotations: acute pain service, outpatient chronic pain clinic, outpatient pain procedures rotation. 2014-2016.

Development of a behavioral interviewing program for the Stanford pain medicine fellowship selection committee, 2013-2015.

CME learning modules. Stanford safe opioid prescribing and risk evaluation and mitigation strategies (REMS), 2013-2015.

Current Professional Societies:

2020-Present, Member, American Society of Anesthesiologists (ASA)
2011-Present, Member, American Academy of Pain Medicine (AAPM)
2020-Present, Member, American College of Healthcare Executives (ACHE)

Expert Witnessing and Depositions:

Piro, Zinna, Cifelli, Paris & Gentitempo LLC. Edison, New Jersey. March 2022 (Plaintiff / IMR).
Shervin Lalezary, Shawn Lalezary, Mark Schenkman Lalezary Law Firm. Roseville, California. February 2022 (Defense / IMR).
Ford, Walker, Haggerty and Behar PPP. Pleasanton, California. August, 2021-Present (Defense / IMR / Deposition).
Dumas Law Firm PC. Waco, Texas. December, 2021 (Plaintiff / IMR)
Kessenick Gamma & Free LLP. Oakland, California. January, 2018 (Deposition as treating physician).
Levin | Sitcoff. Redwood City, California. March, 2017 (Deposition as treating physician).
Howard, Lewis and Petersen. Provo, Utah. Deposition in Redwood City, California. April, 2016 (Plaintiff / IMR / Deposition).
Lewis, Brisbois, Bisgaard and Smith LLP. Palo Alto, California. May, 2015 (Plaintiff / IMR).
Haapala, Thompson and Abern LLP. Palo Alto, California. March, 2014 (Deposition as treating physician).

Other Consulting:

2015-Present, AlphaSights Inc., New York, New York. 2015 – Present.
2009, Mainstay Medical Inc., Minneapolis, Minnesota. Statistical modeling for a prospective clinical trial of an implantable multifidus stimulator.