

**Jordan L. Newmark, MD, QME**  
ABA Board Certified, Anesthesiology & Pain Medicine  
President & CEO, E&S Newmark Consulting  
Adjunct Clinical Associate Professor  
Stanford University School of Medicine

**Contact Information:**

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**Education and Training:**

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

08/2008-08/2011, Resident, Anesthesiology, Massachusetts General Hospital | Harvard Medical School, Department of Anesthesia, Critical Care & Pain Medicine

06/2007-06/2008, Intern, Internal Medicine, Hahnemann University Hospital | Drexel University College of Medicine, Department of Medicine

08/2003-05/2007, 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

08/1999-05/2003, 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, 10/2012-12/31/2032  
California Medical License, A117497, expires 6/30/2025  
National Practitioner Identifier, 1144489592  
ACLS Re-Certification AHA, expires 4/2025; Vituity expires 2/11/2025  
BLS Re-Certification AHA, expires 4/2025; Vituity expires 2/11/2025  
DEA License with X-Waver, expires 10/31/2026  
California Fluoroscopy License, #RHC00171765, expires 12/31/2024  
Qualified Medical Evaluator (QME), California Department of Industrial Relations, expires 12/2025  
Florida Medical Doctor Expert Witness License, Dept. of Health, #MEEW10391, expires 03/01/2025

**Clinical and Non-Clinical Assignments:**

July 2021—Present, *President and CEO*, E&S Newmark Consulting Corporation  
- Established in the State of California, July 13<sup>th</sup> 2021, as a Subchapter Corporation

- Service to the Profession of Medicine and Patient Care, Qualified Medical Evaluation, Independent Medical Evaluation, Expert Witnessing, Career and Admissions Counseling, Leadership / Healthcare Management / Tech Consulting
- Anesthesiology & Pain Medicine services for Vituity Per Diem, BAAP/Aspen Per Diem, AYA Locums, BASS Medical Group IC (Spine & Pain Center of California), Renbaum Medical Group IC, California Medical Evaluators IC, Stanford University ACF

October 2021—June 2023, Full-time Partner, Anesthesiology and Pain Medicine, Vituity, Washington Hospital Healthcare System and Associated Locations

- Clinical anesthesiology and pain medicine for inpatient surgery, outpatient / ambulatory surgery, regional anesthesia, neurosurgical anesthesia, pain medicine consultation service, endoscopy, and obstetrical anesthesia
- Full time, Level-2 partner from 10/2021 – 06/2023. Per diem 06/2023 – Present.

January 2023—Present, Renbaum Medical Group – Orthopedic Evaluation Center and California Department of Industrial Relations

- Qualified medical evaluator for industrial/occupational related acute pain, chronic pain, musculoskeletal, and nerve injury
- 10 Registered Locations per DWC

December 2021—December 2022, AVA Medical Management and California Department of Industrial Relations

- Qualified medical evaluator for industrial/occupational related acute pain, chronic pain, musculoskeletal, and nerve injury
- Registered locations include Hayward, San Leandro, Stockton, and Pinole

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.
- Mentored system leaders including new department chairs in OB/GYN (Dr. Kevin Smith), Medicine (Dr. Marina Trilesskaya), Orthopedic Surgery (Dr. Guido Distefano), and President of Medical Staff (Dr. Irina Williams).

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—Dec 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*. 3<sup>rd</sup> 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*. 1<sup>st</sup> 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*. 5<sup>th</sup> Ed., Jaffe RA; Schmiesing CA; Golianu B. 2014.

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

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

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

**Abstracts, Posters, and Presentations at National Meetings:**

**Newmark JL;** Boparai N: Management of Chronic Pain and Opioid Use Disorder: Theory and Practice via Cognitive Aids. Tennessee Pain Society Annual Meeting. October 14<sup>th</sup>, 2022, Franklin Tennessee.

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 8<sup>th</sup>, 2022, San Diego California.

Purvis T; **Newmark J;** Brenner G; Brodnik 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 17<sup>th</sup>, 2017. Poster & Presentation. 33<sup>rd</sup> 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. 33<sup>rd</sup> AAPM Annual Meeting. March, 2017, Orlando Florida.

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

Chen, FW; Nguyen, LA; **Newmark, JL**: Novel Uses of Neuromodulators in Treating Functional Abdominal Pain. Poster 354. 81<sup>st</sup> 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. 54<sup>th</sup> 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. 11<sup>th</sup> 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:** Pain Medicine Practice Management. January 8<sup>th</sup>, 2024. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

**Newmark, JL:** Pain Anatomy, Physiology and Transmission. September 18<sup>th</sup>, 2023. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

**Newmark, JL:** Pain Medicine Practice Management. June 16<sup>th</sup>, 2023. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

**Newmark, JL:** Pain Anatomy, Physiology and Transmission. December 2<sup>rd</sup>, 2022. Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

**Newmark, JL:** An Overview of Perioperative and Consulting Leadership. October 19<sup>th</sup>, 2022. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

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

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

**Newmark, JL:** Pain Anatomy, Physiology and Transmission. August 23<sup>rd</sup>, 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 21<sup>st</sup>, 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 19<sup>th</sup>, 2021. Perioperative 101 Program for new OR-RNs. Alameda Health System, Highland Hospital, Oakland California.

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

**Newmark, JL:** Perioperative and Bridge Buprenorphine. February 21<sup>th</sup>, 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 5<sup>th</sup>, 2020. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

**Newmark, JL:** Perioperative and Bridge Buprenorphine. February 11<sup>th</sup>, 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 12<sup>th</sup>, 2018. Perioperative Management Fellow Lecture Series. Stanford University School of Medicine, Palo Alto, California.

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

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

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

**Newmark, JL:** Obstetrical Anesthesia at Highland Hospital, An Update. March 28<sup>th</sup>, 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 28<sup>st</sup>, 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 30<sup>th</sup>, 2017. AHS Board of Trustees, QPSC Committee, Alameda Health System. Oakland, California.

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

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

**Newmark, JL:** Chronic and Cancer Pain Management. June 12<sup>th</sup>, 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 22<sup>nd</sup>, 2017. 10<sup>th</sup> 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 8<sup>th</sup>, 2017. "Service Excellence" Pain Medicine Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

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

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

**Newmark, JL:** Basics of Opioids. March 21<sup>st</sup>, 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 3<sup>rd</sup>, 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 24<sup>th</sup>, 2017. Anesthesiology Residency Didactic Lecture Series. Stanford University School of Medicine, Palo Alto, California.

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

**Newmark, JL:** Opioids for Low Back Pain. September 11<sup>th</sup>, 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 4<sup>th</sup>, 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 30<sup>th</sup>, 2016. Systems Neuroscience and Pain Lab, Stanford University, Palo Alto California.

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

**Newmark, JL:** Safe Outpatient Management of Opioids for Chronic Non-Cancer Pain. May 13<sup>th</sup>, 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 4<sup>th</sup>, 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 26<sup>th</sup>, 2016. Stanford University School of Medicine. Palo Alto, California.

**Newmark, JL:** Use of Simulation to Research and Teach Opioid Management. 9<sup>th</sup> Annual CISL Symposium. April 20<sup>th</sup>, 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 15<sup>th</sup>, 2016. BIO 150, Human Behavioral Biology, Stanford University. Palo Alto, California.

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

**Newmark, JL:** Basic Pain Physiology. February 29<sup>th</sup>, 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 21<sup>st</sup>, 2016. American Academy of Pain Medicine. Palm Springs, California.

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

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

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

**Newmark, JL:** Chronic and Cancer Pain Management. June 15<sup>th</sup>, 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 8<sup>th</sup>, 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. 8<sup>th</sup> Annual CISL Symposium. May 13<sup>th</sup>, 2015. Center for Immersive and Simulation-Based Learning. Stanford University School of Medicine. Palo Alto, California.

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

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

**Newmark, JL:** Overview of Pain Medicine for the Primary Care Physician. Noon Conference Series. April 16<sup>th</sup>, 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 3<sup>rd</sup>, 2015. Stanford University School of Medicine. Palo Alto, California.

**Newmark, JL:** Pain Medicine Strategic Goals for Education. Division of Pain Medicine Strategic Retreat. February 27<sup>th</sup>, 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 10<sup>th</sup>, 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 14<sup>th</sup>, 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 29<sup>th</sup>, 2014. CA-1 Anesthesia Resident Lecture Series. Palo Alto, California.

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

**Newmark, JL:** Overview of Chronic Pain: Considerations for the Obstetrician/Gynecologist. April 23<sup>rd</sup>, 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 16<sup>th</sup>, 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 26<sup>th</sup>, 2013. Stanford Anesthesia Medical Education Research Summit. Palo Alto, California.

**Newmark, JL:** Education in Pain Medicine: Historical Perspectives, Future Considerations. July 11<sup>th</sup>, 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 22<sup>nd</sup>, 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 6<sup>th</sup>, 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 6<sup>th</sup>, 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 26<sup>th</sup>, 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. 9<sup>th</sup> Annual Medical Education Day. The Academy at Harvard Medical School. October 26<sup>th</sup>, 2010. Boston Massachusetts.

**Non Peer-Reviewed Articles & Press Mentions:**

Holzman, DC; Immersive Training Experience Helps Teach Safe Opioid Prescribing. Pain Medicine News. July 27<sup>th</sup>, 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 23<sup>rd</sup>, 2017 (press mention).

Fiore, K; Biopsychosocial Rehab Approach May Ease Intense CNS Pain. Medpage Today, AAPM Meeting Coverage. March 19<sup>th</sup>, 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 16<sup>th</sup>, 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:**

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.

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. 2018-2022.

Provide content and help develop educational and administrative content for the Association of Pain Program Directors (APPD) website. <https://appdhq.org/> 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:**

2022-Present, Member, American Society of Anesthesiologists (ASA)

2022-Present, Member, American Society of Regional Anesthesia and Pain Medicine (ASRA)



2023-Present, Member, World Institute of Pain (WIP)

**Expert Witnessing, Consulting and Depositions:**

Case list summary available upon request.

**Other Consulting:**

2022-Present, Prime Experts Group, LLC. Expert Witness Legal Reviews (see case list above).

2015-Present, AlphaSights Inc., New York, New York.

2009, Mainstay Medical Inc., Minneapolis, Minnesota. Statistical modeling for a prospective clinical trial of an implantable multifidus stimulator.