



Edward R. Mariano, MD, MAS, FASA, FASRA

Professor of Anesthesiology, Perioperative and Pain Medicine (MSD)

CLINICAL OFFICE (PRIMARY)

- **Anesthesia**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Edward R. Mariano, MD, MAS, FASA, FASRA, is a graduate of Georgetown University School of Medicine. He completed his anesthesiology residency at Stanford University Medical Center and pediatric anesthesiology fellowship at Stanford's Lucile Packard Children's Hospital with a special interest in regional anesthesiology and acute pain medicine (RAAPM) for children. He is double board-certified by the American Board of Anesthesiology and is a Fellow of both the American Society of Anesthesiologists and American Society of Regional Anesthesia and Pain Medicine (ASRA).

He joined the Department of Anesthesiology at the University of California, San Diego (UCSD), in 2004, where he founded the RAAPM program. While working full-time, he also earned a Master of Advanced Studies degree in clinical research. He served as RAAPM Division Chief at UCSD until 2010, pioneering the use of continuous peripheral nerve blocks for patients having same-day surgery and founding the first one-year RAAPM Fellowship in California. From 2013 to 2016, Dr. Mariano took the lead in achieving accreditation status for all RAAPM fellowship programs nationwide through the Accreditation Council for Graduate Medical Education (ACGME), and under his direction the RAAPM fellowship program at Stanford became one of the first nine programs to be ACGME-accredited.

Dr. Mariano is a Professor and Vice Chair in the Department of Anesthesiology, Perioperative and Pain Medicine at Stanford University School of Medicine and Chief of the Anesthesiology and Perioperative Care Service at the Veterans Affairs Palo Alto Health Care System. He has developed techniques and patient care pathways to improve postoperative pain control, patient safety, and other outcomes and has published over 300 articles and book chapters. He has held leadership positions in the California Society of Anesthesiologists, American Society of Anesthesiologists, American Society of Regional Anesthesia and Pain Medicine, and multiple journal editorial boards including being an Editor of *Anaesthesia*. He is a recipient of the Veterans Health Administration's John D. Chase Award for Physician Executives Excellence and Distinguished Service Awards from ASRA Pain Medicine and ESRA Spain. Within the U.S., Dr. Mariano has worked on key national healthcare initiatives including the accreditation of regional anesthesiology and acute pain medicine fellowships, pain management guidelines, development of quality and cost measures in perioperative care, and the National Academy of Medicine Action Collaborative Countering the U.S. Opioid Epidemic.

CLINICAL FOCUS

- Anesthesia

- Regional Anesthesiology and Acute Pain Medicine

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Vice Chair, Stanford Department of Anesthesiology, Perioperative and Pain Medicine, (2024- present)
- Chief, Anesthesiology and Perioperative Care Service, VA Palo Alto Health Care System, (2010- present)
- Senior Vice Chair, Stanford Department of Anesthesiology, Perioperative and Pain Medicine, (2022-2024)
- Associate Chief of Staff, Inpatient Surgical Services, VA Palo Alto Health Care System, (2013-2019)

HONORS AND AWARDS

- Resident of the Year, Department of Anesthesia; Stanford University (2003)
- Teacher of the Year, Department of Anesthesiology; University of California, San Diego (2005)
- Health Care Champion, San Diego Business Journal (2007)
- Top "40 Under 40" in San Diego, San Diego Metropolitan Magazine (2007)
- Special Service Award, Department of Anesthesiology; University of California, San Diego (2010)
- 2012 Distinguished Visiting Professor in Anesthesiology, Hospital for Special Surgery (2012)
- 2012 Dr. Benigno Sulit, Jr. Memorial Lecturer, Philippine Society of Anesthesiologists (2012)
- Best of Meeting Abstract, 2013 Spring Annual Meeting, American Society of Regional Anesthesia and Pain Medicine (2013)
- Best of Meeting Abstract, 2014 Spring Annual Meeting, American Society of Regional Anesthesia and Pain Medicine (2014)
- John D. Chase Award for Executive Excellence, Veterans Health Administration (2015)
- Ellis N. Cohen, MD, Achievement Award, Stanford Department of Anesthesiology, Perioperative and Pain Medicine (2017)
- Keynote Speaker, Cleveland Clinic Regional Anesthesia Course (2018)
- Top 10 Anesthesiologists to Follow on Twitter, LifeWIRE Group (2018)
- Keynote Speaker, Penn State Hershey Regional Anesthesia Course (2019)
- Mary Hanna Memorial Journalism Award, 2nd Place in the Clinical Category, The Journal of Perianesthesia Nursing (2020)
- Teacher of the Year, Stanford Regional Anesthesiology and Acute Pain Medicine (2020)
- Top Cited Articles 2018-19, Regional Anesthesia and Pain Medicine (2020)
- Top Downloaded Paper 2018-19, Wiley publisher, Anaesthesia journal (2020)
- 2021 Bruce Scott Lecturer, Regional Anaesthesia United Kingdom (2021)
- 2021 Top 5% Most Published and Top 5% Most Cited Anesthesiologists, Doximity (2021)
- Fellow of the American Society of Anesthesiologists, American Society of Anesthesiologists (2021)
- Fellowship Program Director of the Year, Stanford University School of Medicine (2021)
- Keynote Lecturer, Association of Anaesthetists Winter Scientific Meeting (2021)
- Keynote Speaker, Research Society of Anaesthesiology Clinical Pharmacology (2021)
- 2022 Dr. Ravindra Bhat Oration, Academy of Regional Anaesthesia of India (2022)
- Keynote Lecturer, 2022 National Acute Pain Symposium United Kingdom (2022)
- 2023 Distinguished Service Award in Regional Anesthesia, ESRA Spain (2023)
- 2023 Top 10% for Most Press Mentions, Most Citations, and Most Publications, Doximity (2023)
- Distinguished Service Award, American Society of Regional Anesthesia and Pain Medicine (2023)

- Dr. Patricia Kapur Visiting Professor, UCLA (2023)
- Fellow of the American Society of Regional Anesthesia and Pain Medicine, ASRA Pain Medicine (2023)
- Inaugural Franco Carli Lectureship, McGill University (2023)
- Distinguished Educator in Anesthesiology, American Society of Anesthesiologists and Society for Education in Anesthesia (2024)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board, Journal of Cardiothoracic and Vascular Anesthesia (2008 - 2014)
- Editorial Board, Regional Anesthesia and Pain Medicine (2009 - present)
- Editorial Board, Seminars in Cardiothoracic and Vascular Anesthesia (2011 - present)
- Editor-in-Chief, American Society of Regional Anesthesia and Pain Medicine News (2012 - 2015)
- Vice-Speaker, California Society of Anesthesiologists (2014 - 2018)
- Delegate (California), American Society of Anesthesiologists (2014 - present)
- Chair, American Society of Regional Anesthesia and Pain Medicine Communications Committees (2015 - 2019)
- Board of Directors, American Society of Regional Anesthesia and Pain Medicine (2015 - 2020)
- Chair, ACGME Milestones for Regional Anesthesiology and Acute Pain Medicine Fellowship (2016 - present)
- Editorial Board, Korean Journal of Anesthesiology (2016 - present)
- Chair, Committee on Regional Anesthesia and Acute Pain Medicine, American Society of Anesthesiologists (2017 - 2022)
- Council Member, Association of Anesthesiology Subspecialty Program Directors (2017 - 2022)
- Speaker, California Society of Anesthesiologists (2018 - 2021)
- Editorial Board, Anesthesiology News (2018 - present)
- Member, National Academy of Medicine Action Collaborative on Countering the U.S. Opioid Epidemic (2018 - present)
- Chair, American Society of Regional Anesthesia and Pain Medicine Membership Committee (2019 - 2020)
- International Advisory Panel, Anaesthesia (2019 - 2020)
- Editorial Board, Anaesthesia (2020 - present)
- President-Elect, California Society of Anesthesiologists (2021 - 2022)
- Associate Board Member, Veterans Affairs National Acute Pain Medicine Committee (2021 - present)
- Editorial Board, Canadian Journal of Anesthesia (2021 - present)
- President, California Society of Anesthesiologists (2022 - 2023)
- Chair, American Society of Anesthesiologists Section on Education and Research (2022 - present)
- Immediate Past President, California Society of Anesthesiologists (2023 - 2024)
- AMA Current Procedural Terminology (CPT) Advisor, American Society of Anesthesiologists (2023 - present)
- Past President, California Society of Anesthesiologists (2024 - present)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Anesthesia, American Board of Anesthesiology (2013)
- Board Certification: Anesthesia, American Board of Anesthesiology (2004)
- Fellowship: Stanford University Pediatric Anesthesia Fellowship (2004) CA
- Internship: Inova Fairfax Hospital GME Office (2000) VA
- Medical Education: Georgetown University School of Medicine (1999) DC
- Residency: Stanford University Anesthesiology Residency (2003) CA

- Black Belt, Veterans Affairs Palo Alto Health Care System , Lean Six Sigma (2019)
- Doctor of Medicine, Georgetown University School of Medicine , Medicine (1999)
- Internship, Georgetown University / INOVA Fairfax Hospital , Transitional (2000)
- Residency, Department of Anesthesia; Stanford University , Anesthesiology (2003)
- Fellowship, Department of Anesthesia; Stanford University / Lucile Packard Children's Hospital , Pediatric Anesthesiology (2004)
- Master of Advanced Studies, University of California, San Diego , Clinical Research (2008)

COMMUNITY AND INTERNATIONAL WORK

- Volunteer Medical-Surgical Mission, Ecuador
- Volunteer Medical-Surgical Mission, Philippines

LINKS

- EdMariano.com: <https://www.edmariano.com/>
- @EMARIANOMD on X (formerly Twitter): <https://twitter.com/EMARIANOMD>
- Dr. Mariano on LinkedIn: <https://www.linkedin.com/in/edwardmariano/>
- Dr. Mariano on YouTube: <https://www.youtube.com/channel/UCu4fY2L2JCS0YN04Npujyaw>

Research & Scholarship

RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Curriculum and Instruction
- Lifelong Learning
- Professional Development
- Research Methods

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests have primarily focused on the development of techniques and patient care pathways to improve postoperative pain control and other surgical outcomes. As a faculty member at UCSD and founder of the RAAPM program there, I established successful research collaborations which led to the publication of multiple randomized clinical trials investigating the use of opioid-sparing continuous peripheral nerve block (CPNB) techniques for same-day surgical patients and establishing the use of ultrasound guidance for advanced nerve block procedures. My studies in regional anesthesia have proven important patient benefits such as decreased opioid use, earlier postoperative mobility, and faster times to achieve discharge eligibility. The use of non-opioid pain management modalities has become a high priority in the setting of the current opioid epidemic. Based on common research interests and facilitated by modern communication methods, I have developed collaborations with physicians and researchers around the world. I have received extramural research funding for my own investigator-initiated and collaborative studies from the Foundation for Anesthesia Education and Research, Department of Defense, and Department of Veterans Affairs (VA).

I am also passionate about knowledge translation and change implementation, and I believe this research area represents an important intersection of my scholarship activities and administrative responsibilities. I have been able to study the influence of specific regional anesthesia practice models on operating room efficiency and hospital costs. I have also led successful implementation projects to establish or update clinical pathways at VA Palo Alto that have improved in-hospital and post-discharge outcomes for our patients. As examples, implementation projects refining our clinical pathways have led to earlier postoperative rehabilitation, decreased opioid use in the hospital and at home, exploration of new models of care, standardization of anesthetic techniques, and methods to maintain adherence to protocols and sustain change long term. The sharing of these projects through publications is helping to shape the clinical practice of perioperative care worldwide.

CLINICAL TRIALS

- Follow-Up Study to Assess Implementation of Ultrasound-Guided Regional Anesthesia Skills, Not Recruiting
- Optimizing Catheter Insertion Technique for Ultrasound-guided Continuous Peripheral Nerve Blocks, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Educating the next generation: Unprofessionalism in anesthesiology residency programs.** *Journal of clinical anesthesia*
Dhanani, U. M., Leng, J. C., Mariano, E. R.
2024; 99: 111578
- **The controversy of pre-operative opioid tapering and an opportunity to advance personalised, patient-centred pain medicine.** *Anaesthesia*
Kelly, D. N., Mariano, E. R., Jaremko, K. M.
2024
- **Concepts and Approaches in the Management of Transgender and Gender-Diverse Patients.** *Mayo Clinic proceedings*
Strand, N., Gomez, D. A., Kacel, E. L., Morrison, E. J., St Amand, C. M., Vencill, J. A., Pagan-Rosado, R., Lorenzo, A., Gonzalez, C., Mariano, E. R., Reece-Nguyen, T., Narouze, S., Mahdi, et al
2024; 99 (7): 1114-1126
- **Unwarranted variation in perioperative pain management for pediatric anterior cruciate ligament reconstruction: a call to improve the quality of quality improvement.** *Regional anesthesia and pain medicine*
Soffin, E. M., Abdallah, F. W., Mariano, E. R.
2024
- **Heartfelt Healing: Charting New Trajectories in Postsurgical Pain.** *Anesthesia and analgesia*
Vanneman, M. W., Kiwakyou, L. M., Harrison, T. K., Mariano, E. R.
2024; 138 (6): 1187-1191
- **A pilot project to test the feasibility of automated text messaging to collect multi-day patient-reported outcomes related to pain interference after total joint arthroplasty in veterans.** *Anaesthesia*
Dorogi, A. H., Hunter, O. O., Gessner, D. M., Leng, J. C., Kou, A., Mariano, E. R.
2024
- **Association between Anesthesia Group Size and Merit-Based Incentive Payment System Scores.** *Anesthesiology*
Sekeres, G., Miller, T. R., Mariano, E. R., Glance, L. G., Sun, E. C.
2024; 140 (4): 853-855
- **Smallest Clinically Meaningful Improvement in Amputation-Related Pain and Brief Pain Inventory Scores as Defined by Patient Reports of Global Improvement After Cryoneurolysis: a Retrospective Analysis of a Randomized, Controlled Clinical Trial.** *Anesthesia and analgesia*
Ilfeld, B. M., Smith, C. R., Turan, A., Mariano, E. R., Miller, M. E., Fisher, R. L., Trescot, A. M., Cohen, S. P., Eisenach, J. C., Sessler, D. I., Prologo, J. D., Mascha, E. J., Liu, et al
2024
- **Opioid use in cancer patients compared with non-cancer pain patients in a veterans population.** *JNCI cancer spectrum*
Mudumbai, S. C., He, H., Chen, J. Q., Kapoor, A., Regala, S., Mariano, E. R., Stafford, R. S., Abnet, C. C., Pfeiffer, R. M., Freedman, N. D., Etemadi, A.
2024
- **How to conduct and report guidelines and position, best practice and consensus statements.** *Anaesthesia*
Wiles, M. D., El-Boghdady, K., Mariano, E. R.
2024

- **The Professional Use of Social Media in Anesthesiology: Developing a Digital Presence Is as Easy as ABCDE.** *Anesthesia and analgesia*
Kirpekar, M., Kars, M. S., Mariano, E. R., Patel, A.
2024
- **Standardizing nomenclature in regional anesthesia: an ASRA-ESRA Delphi consensus study of upper and lower limb nerve blocks.** *Regional anesthesia and pain medicine*
El-Boghdady, K., Albrecht, E., Wolmarans, M., Mariano, E. R., Kopp, S., Perlas, A., Thottungal, A., Gadsden, J., Tulgar, S., Adhikary, S., Aguirre, J., Agur, A. M., Alt#parmak, et al
2023
- **Perioperative Opioid Management Strategies: Do They Make a Difference in Long-Term Health Outcomes?** *CURRENT ANESTHESIOLOGY REPORTS*
Ye, Y., Li, G., Mariano, E. R.
2023
- **Association of Patient Race and Hospital with Utilization of Regional Anesthesia for Treatment of Post-Operative Pain in Total Knee Arthroplasty: A Retrospective Analysis Using Medicare Claims.** *Anesthesiology*
Dixit, A. A., Sekeres, G., Mariano, E. R., Memtsoudis, S. G., Sun, E. C.
2023
- **Non-steroidal anti-inflammatory drugs in the perioperative period.** *BJA education*
Halvey, E. J., Haslam, N., Mariano, E. R.
2023; 23 (11): 440-447
- **Opioid stewardship.** *BJA education*
Simpson, A. K., Levy, N., Mariano, E. R.
2023; 23 (10): 389-397
- **More Than a Perioperative Surgical Home: An Opportunity for Anesthesiologists to Advance Public Health.** *Seminars in cardiothoracic and vascular anesthesia*
Coffman, C. R., Leng, J. C., Ye, Y., Hunter, O. O., Walters, T. L., Wang, R., Wong, J. K., Mudumbai, S. C., Mariano, E. R.
2023: 10892532231200620
- **Analysis of Twitter conversations in obstetric anesthesiology using the hashtag #OBAnes during the onset of the COVID-19 pandemic.** *International journal of obstetric anesthesia*
Robinson, A., George, R. B., Lim, G., Landau, R., Mariano, E. R., Kou, A., Sharpe, E. E.
2023: 103918
- **Barriers to Implementation of Telehealth Pre-anesthesia Evaluation Visits in the Department of Veterans Affairs.** *Federal practitioner : for the health care professionals of the VA, DoD, and PHS*
Barbeito, A., Raghunathan, K., Connolly, S., Mariano, E. R., Blitz, J., Stafford, R. S., Mudumbai, S.
2023; 40 (7): 210-217a
- **How large language models can augment perioperative medicine: a daring discourse.** *Regional anesthesia and pain medicine*
Gabriel, R. A., Mariano, E. R., McAuley, J., Wu, C. L.
2023
- **Addition of dexamethasone to prolong peripheral nerve blocks: a ChatGPT-created narrative review.** *Regional anesthesia and pain medicine*
Wu, C. L., Cho, B., Gabriel, R., Hurley, R., Liu, J., Mariano, E. R., Mathur, V., Memtsoudis, S. G., Grant, M. C.
2023
- **National review of acute pain service utilization, models of care, and clinical practices within the Veterans Health Administration.** *Regional anesthesia and pain medicine*
Mahyar, L., Missair, A., Buys, M. J., Kou, A., Benedetti de Marrero, E., Sandbrink, F., Matadial, C. M., Mariano, E. R.
2023
- **Perioperative and anesthetic considerations for the management of neuromodulation systems.** *Regional anesthesia and pain medicine*
Orhurhu, V., Hussain, N., Karri, J., Mariano, E. R., Abd-Elsayed, A.
2023; 48 (6): 327-336
- **Multiorganizational consensus on principles for perioperative pain management for patients with chronic pain, opioid tolerance, and substance use disorder: an infographic.** *Regional anesthesia and pain medicine*

- Dickerson, D. M., Mariano, E. R., Schwenk, E. S.
2023
- **Rate of occurrence of respiratory complications in patients who undergo shoulder arthroplasty with a continuous interscalene brachial plexus block and associated risk factors: an infographic.** *Regional anesthesia and pain medicine*
Xu, L., Gessner, D., Kou, A., Kasimova, K., Memtsoudis, S. G., Mariano, E. R.
2023
 - **Rate of occurrence of respiratory complications in patients who undergo shoulder arthroplasty with a continuous interscalene brachial plexus block and associated risk factors.** *Regional anesthesia and pain medicine*
Xu, L., Gessner, D., Kou, A., Kasimova, K., Memtsoudis, S. G., Mariano, E. R.
2023
 - **An exploratory analysis of pediatric anesthesia activity on Twitter using the #pedsanes hashtag.** *Paediatric anaesthesia*
Downing, L., Mariano, E. R., Kou, A., Matava, C.
2023
 - **Multioorganizational consensus to define guiding principles for perioperative pain management in patients with chronic pain, preoperative opioid tolerance, or substance use disorder.** *Regional anesthesia and pain medicine*
Dickerson, D. M., Mariano, E. R., Szokol, J. W., Harned, M., Clark, R. M., Mueller, J. T., Shilling, A. M., Udoji, M. A., Mukkamala, S. B., Doan, L., Wyatt, K. E., Schwab, J. M., Elkassabany, et al
2023
 - **Postoperative pain management: are we ready to move beyond the 'kitchen-sink' approach?** *Anaesthesia*
Abdallah, F., Neuman, M. D., Mariano, E. R.
2023
 - **Patient-centered results from a multicenter study of continuous peripheral nerve blocks and postamputation phantom and residual limb pain: secondary outcomes from a randomized, clinical trial.** *Regional anesthesia and pain medicine*
Ilfeld, B. M., Khatibi, B., Maheshwari, K., Madison, S., Ali Sakr Esa, W., Mariano, E. R., Kent, M., Hanling, S., Sessler, D. I., Eisenach, J. C., Cohen, S. P., Mascha, E., Li, et al
2023
 - **Knee Injury and Osteoarthritis Outcome Score Trajectories After Primary Total Knee Arthroplasty in United States Veterans.** *Cureus*
Polascik, B. W., Horn, M., Pyati, S., Mariano, E. R., Ginsberg, J. P., Raghunathan, K.
2023; 15 (3): e36670
 - **Acute pain service reduces barriers to buprenorphine/naloxone initiation by using regional anesthesia techniques.** *Regional anesthesia and pain medicine*
Seol, A., Chan, J., Micham, B., Ye, Y., Mariano, E. R., Harrison, T. K., Hunter, O. O.
2023
 - **Erector spinae plane block versus fascia iliaca block after total hip arthroplasty: a randomized clinical trial comparing analgesic effectiveness and motor block.** *Korean journal of anesthesiology*
Flaviano, E., Bettinelli, S., Assandri, M., Muhammad, H., Benigni, A., Cappelleri, G., Mariano, E. R., Lorini, L. F., Bugada, D.
2023
 - **Hospital-level variability in regional nerve block administration by race for total knee arthroplasty.** *Regional anesthesia and pain medicine*
Dixit, A. A., Kim, C. Y., Mariano, E. R., Krishnamoorthy, V., Ohnuma, T., Raghunathan, K., Bryan, W. E., Bartels, K., Sun, E. C.
2022
 - **Hospital-level variability in regional nerve block administration by race for total knee arthroplasty** *REGIONAL ANESTHESIA AND PAIN MEDICINE*
Dixit, A. A., Kim, C. Y., Mariano, E. R., Krishnamoorthy, V., Ohnuma, T., Raghunathan, K., Bryan, W. E., Bartels, K., Sun, E. C.
2022
 - **Changing a clinical pathway to increase spinal anesthesia use for elective hip arthroplasty: a single-centre historical cohort study.** *Canadian journal of anaesthesia = Journal canadien d'anesthesie*
Mulumba, K. Y., Mariano, E. R., Leng, J. C., Kou, A., Hunter, O. O., Tamboli, M., Memtsoudis, S. G., Mudumbai, S. C.
2022
 - **Recommendations for anatomical structures to identify on ultrasound for the performance of intermediate and advanced blocks in ultrasound-guided regional anesthesia.** *Regional anesthesia and pain medicine*

- Ashken, T., Bowness, J., Macfarlane, A. J., Turbitt, L., Bellew, B., Bedforth, N., Burckett-St Laurent, D., Delbos, A., El-Boghdadly, K., Elkassabany, N. M., Ferry, J., Fox, B., French, et al
2022; 47 (12): 762-772
- **Tapentadol and the opioid epidemic: a simple solution or short-lived sensation?** *Anaesthesia*
Bicket, M. C., Brummett, C. M., Mariano, E. R.
2022
 - **How to engage in social media to get your work published.** *Anaesthesia*
Patel, A., Kars, M. S., Duggan, L. V., Mariano, E. R.
2022
 - **Health disparities in regional anesthesia and analgesia for the management of acute pain in trauma patients.** *International anesthesiology clinics*
Patton, J. W., Burton, B. N., Milam, A. J., Mariano, E. R., Gabriel, R. A.
2022
 - **Ultrasound-Guided Percutaneous Cryoneurolysis to Treat Chronic Post-Amputation Phantom Limb Pain: A Multicenter, Randomized, Controlled Trial.** *Anesthesiology*
Ifeld, B. M., Smith, C. R., Turan, A., Mariano, E. R., Miller, M. E., Fisher, R. L., Trescot, A. M., Cohen, S. P., Eisenach, J. C., Sessler, D. I., Prologo, J. D., Mascha, E. J., Liu, et al
2022
 - **Implementing an intravenous ketamine protocol for acute pain in the medical-surgical setting.** *Journal of the American Association of Nurse Practitioners*
Hunter, O. O., Lu, A., Fretwell, D., Mariano, E. R.
2022
 - **Predictors of chronic postsurgical pain: a step forward towards personalized medicine.** *Minerva anesthesiologica*
Bugada, D., Mariano, E. R.
2022; 88 (10): 764-767
 - **Recommendations for anatomical structures to identify on ultrasound for the performance of intermediate and advanced blocks in ultrasound-guided regional anesthesia** *REGIONAL ANESTHESIA AND PAIN MEDICINE*
Ashken, T., Bowness, J., Macfarlane, A., Turbitt, L., Bellew, B., Bedforth, N., Burckett-St Laurent, D., Delbos, A., El-Boghdadly, K., Elkassabany, N. M., Ferry, J., Fox, B., French, et al
2022
 - **A modern roadmap for the use of simulation in regional anesthesiology training.** *Current opinion in anaesthesiology*
Kumar, A. H., Sultan, E., Mariano, E. R., Udani, A. D.
2022
 - **Core outcome set for peripheral regional anesthesia research: a systematic review and Delphi study.** *Regional anesthesia and pain medicine*
Hill, J., Ashken, T., West, S., Macfarlane, A. J., El-Boghdadly, K., Albrecht, E., Chin, K. J., Fox, B., Gupta, A., Haskins, S., Haslam, N., Hogg, R. M., Hormis, et al
2022
 - **Single-injection regional analgesia techniques for mastectomy surgery: A network meta-analysis.** *European journal of anaesthesiology*
De Cassai, A., Zarrantonello, F., Geraldini, F., Boscolo, A., Pasin, L., De Pinto, S., Learadini, G., Basile, F., Disarò, L., Sella, N., Mariano, E. R., Pettenuzzo, T., Navalesi, et al
2022; 39 (7): 591-601
 - **Position statement from the Editors of Anaesthesia on equity, diversity and inclusion** *ANAESTHESIA*
Agarwal, S., El-Boghdadly, K.
2022; 77 (9): 1018-1022
 - **A simple checkbox reminder may influence postoperative opioid prescribing behaviour in acute pain service clinicians.** *Anaesthesia*
Hunter, O. O., Kou, A., Leng, J. C., Mariano, E. R.
2022
 - **Single-center cross-sectional study of high opioid prescribing among U.S. veterans with peripheral arterial disease.** *Regional anesthesia and pain medicine*
Stern, J. R., Kou, A., Kapoor, A., Regala, S., He, H., Stafford, R. S., Mariano, E. R., Mudumbai, S. C.
2022

- **Role of social networks in regional anesthesia research: a case study of the erector spinae plane block.** *Regional anesthesia and pain medicine*
De Cassai, A., Iuzzolino, M., Geraldini, F., Mariano, E. R.
2022
- **Looking backward to move forward in perioperative pain management?** *Regional anesthesia and pain medicine*
Mariano, E. R., El-Boghdadly, K.
2022
- **Is there a correlation between Altmetric Attention Scores and citation count in Regional Anesthesia and Pain Medicine journal articles?** *Regional anesthesia and pain medicine*
Grosh, T., Kim, J., Graff, V., Mariano, E. R., Elkassabany, N. M.
2022
- **A Comparative Utility Score for Digital Health Tools.** *Journal of medical systems*
Burton, J. C., Regala, S., Williams, D., Desai, A., He, H., Aalami, O., Mariano, E. R., Stafford, R. S., Mudumbai, S. C.
2022; 46 (6): 34
- **Machine Learning Can Identify Geographic Disparities in Opioid Overdose Before and After the COVID-19 Pandemic**
He, H., Kou, A., Kapoor, A., Regala, S., Raghunathan, K., Mariano, E. R., Stafford, R. S., Mudumbai, S.
LIPPINCOTT WILLIAMS & WILKINS.2022: 708-709
- **Buprenorphine Prescribing During the COVID-19 Pandemic: An Initial Disparities Analysis from the California Opioid Overdose Surveillance Dashboard**
He, H., Regala, S., Kapoor, A., Raghunathan, K., Mariano, E. R., Stafford, R. S., Mudumbai, S.
LIPPINCOTT WILLIAMS & WILKINS.2022: 437-438
- **PECS2 or PICK2.** *Regional anesthesia and pain medicine*
Elkassabany, N. M., Mariano, E. R., Kopp, S., Albrecht, E., Wolmarans, M., El-Boghdadly, K.
2022
- **Opioid-free anesthesia in oncologic surgery: the rules of the game.** *Journal of Anesthesia, Analgesia and Critical Care (Online)*
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