Stanford



Anthony Machi, MD

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Pain Management**

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Bio

BIO

Dr. Anthony Machi is a double-board-certified, fellowship-trained anesthesiologist and pain management specialist with Stanford Health Care. He is also a clinical associate professor in the Department of Anesthesiology, Perioperative, and Pain Medicine, Division of Pain Medicine at Stanford University School of Medicine.

Dr. Machi diagnoses and treats a wide range of pain conditions, including acute and chronic postsurgical pain, nerve-related (neuropathic) pain, and pain affecting the back, neck, and joints. He specializes in using minimally invasive techniques to relieve pain and enhance quality of life for his patients who are recovering after surgery.

Dr. Machi's research interests include using ultrasound to study the greater occipital nerve in people with greater occipital neuralgia. He has also studied patient outcomes and pain management strategies for many types of surgery, including minimally invasive valve surgery and major shoulder surgery.

Dr. Machi has published his research in peer-reviewed journals, such as Seminars in Cardiothoracic and Vascular Anesthesia, Regional Anesthesia & Pain Medicine, Anesthesia & Analgesia, and PAIN. He has also presented to his peers at national and regional meetings, including the annual meetings of the American Society of Anesthesiologists (ASA), the American Society of Regional Anesthesia and Pain Medicine (ASRA), and the Texas Society of Anesthesiologists.

Dr. Machi is a member of the American Academy of Pain Medicine, ASA, ASRA, the North American Neuromodulation Society, and the World Academy of Pain Medicine United.

CLINICAL FOCUS

- Pain Management

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

HONORS AND AWARDS

- Traveling Fellowship, Society for Education in Anesthesia – Health Volunteers Overseas
- Regional Anesthesia and Acute Pain Medicine Faculty of the Year, Department of Anesthesiology and Pain Management, University of Texas Southwestern (UTSW) (2017, 2022)
- Outstanding Transitional Year Resident Award, Ascension SE Wisconsin Hospital – St. Joseph

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, World Academy of Pain Medicine United (2024 - present)
- Member, California Society of Anesthesiologists (2024 - present)
- Member, North American Neuromodulation Society (2023 - present)
- Member, American Academy of Pain Medicine (2021 - present)
- Member, Society for Ambulatory Anesthesia (2021 - 2022)
- Member, American Pain Society (2017 - 2019)
- Member, Texas Society of Anesthesiologists (2015 - 2023)
- Member, American Society of Regional Anesthesia and Pain Medicine (2012 - present)
- Member, American Society of Anesthesiologists (2009 - present)
- Member, California Society of Anesthesiologists (2009 - 2014)

PROFESSIONAL EDUCATION

- Board Certification: Pain Management, American Board of Anesthesiology (2024)
- Board Certification: Anesthesia, American Board of Anesthesiology (2013)
- Fellowship: Stanford University Pain Management Fellowship (2024) CA
- Fellowship: UCSD Regional Anesthesia and Acute Pain Management Fellowship (2013) CA
- Residency: UCSD Anesthesiology Residency (2012) CA
- Internship: Ascension St Joseph Hospital (2009) WI
- Medical Education: University of Wisconsin School of Medicine and Public Health (2007) WI

Publications

PUBLICATIONS

- **Nerve stimulation and neuromodulation for painful nerves: a narrative review.** *International orthopaedics*
  Machi, A., Patel, A., Ottestad, E.
  2025
- **Perioperative Pain Management and Enhanced Recovery Protocols** *Musculoskeletal Pain: Evidence-Based Clinical Evaluation and Management*
  Gu, L., Liu, J., Machi, A.
  Springer International Publishing.2025
- **Superior Cluneal neuralgia-An underappreciated cause of low back pain?** *Interventional pain medicine*
  Ottestad, E., Machi, A.
  2024; 3 (3): 100436
- **General Principles of Perioperative Pain Management** *Perioperative Pain Management*

Speaks, T., Epner, M., Chavez-Carmona, S., Kim, J., Machi, A.
2024

- **Thoracic Interfascial Plane Blocks and Outcomes After Minithoracotomy for Valve Surgery.** *Seminars in cardiothoracic and vascular anesthesia*
  Cheruku, S. R., Fox, A. A., Heravi, H., Doolabh, N., Davis, J., He, J., Deonarine, C., Bereuter, L., Reisch, J., Ahmed, F., Skariah, L., Machi, A.
  2023; 27 (1): 8-15

- **Local Anesthetic Systemic Toxicity**
  Machi, A., Wong, J.
  Openanesthesia.org.
  2023

- **Development of entrustable professional activities for regional anesthesia and pain medicine fellowship training.** *Regional anesthesia and pain medicine*
  Porter, S., Prendiville, E., Allen, B. F., Booth, G., Boublik, J., Burnett, G. W., Elkassabany, N., Hausman, J., Klesius, L., Le-Wendling, L., Machi, A. T., Maniker, R., Parra, et al
  2022

- **Recommendations for effective documentation in regional anesthesia: an expert panel Delphi consensus project.** *Regional anesthesia and pain medicine*
  Ahmed, H. M., Atterton, B. P., Crowe, G. G., Barratta, J. L., Johnson, M., Viscusi, E., Adhikary, S., Albrecht, E., Boretsky, K., Boublik, J., Breslin, D. S., Byrne, K., Ch'ng, et al
  2022

- **Epidural Catheter Infusion for Post-Operative Analgesia for Major Spine Surgery** *Multidisciplinary Spine Care*
  Machi, A., Kandil, E.
  2022

- **Superficial vs. deep serratus anterior plane block for analgesia in patients undergoing mastectomy: A randomized prospective trial.** *Journal of clinical anesthesia*
  Edwards, J. T., Langridge, X. T., Cheng, G. S., McBroom, M. M., Minhajuddin, A., Machi, A. T.
  2021; 75: 110470

- **Immediate Effects of a Continuous Peripheral Nerve Block on Postamputation Phantom and Residual Limb Pain: Secondary Outcomes From a Multicenter Randomized Controlled Clinical Trial.** *Anesthesia and analgesia*
  Ilfeld, B. M., Khatibi, B., Maheshwari, K., Madison, S. J., Ali Sakr Esa, W., Mariano, E. R., Kent, M. L., Hanling, S., Sessler, D. I., Eisenach, J. C., Cohen, S. P., Mascha, E. J., Yang, et al
  2021

- **How I(We) Do It: Enhanced Recovery Pathway for Geriatric Hip Fracture**
  Machi, A., Sorich, M., Street, S.
  ASRA Newsletter.
  2021

- **Acute Pain Management to Prevent Chronic Postsurgical Pain**
  Machi, A.
  ASRA Newsletter.
  2021

- **Anesthesia residency training in regional anesthesiology and acute pain medicine: a competency-based model curriculum.** *Regional anesthesia and pain medicine*
  Woodworth, G. n., Maniker, R. B., Spofford, C. M., Ivie, R. n., Lunden, N. I., Machi, A. T., Elkassabany, N. M., Gritsenko, K. n., Kukreja, P. n., Vlassakov, K. n., Tedore, T. n., Schroeder, K. n., Missair, et al
  2020

- **Perioperative Pain Management** *Pain Management for Clinicians: A Guide to Assessment and Treatment*
  Machi, A.
  2020

- **Ambulatory continuous peripheral nerve blocks to treat post-amputation phantom limb pain a multicenter, randomized, quadruple-masked, placebo-controlled clinical trial.** *Pain*
  Ilfeld, B. M., Khatibi, B. n., Maheshwari, K. n., Madison, S. J., Sakr Esa, W. A., Mariano, E. R., Kent, M. L., Hanling, S. n., Sessler, D. I., Eisenach, J. C., Cohen, S. P., Mascha, E. J., Ma, et al
  2020

- **Emerging Technologies in Acute Pain Medicine**
  Nasiri, M., Le-Wendling, L., Ihnetsanka, B., Tighe, P., Machi, A.
  ASRA Newsletter.
  2020

- **Virtual Reality Therapy: A Guide for Clinical Implementation**
  Alem, N., Shah, S., Machi, A.
  ASRA Newsletter.
  2020

- **Regional Anesthesia and Acute Pain Medicine Fellowship Curriculum**
  Machi, A., Lunden, N., et al
  Anesthesia Toolbox.
  2020

- **Acute Pain Resident Core Curriculum**
  Machi, A., Lunden, N., et al
  Anesthesia Toolbox.
  2019

- **Interfascial plane blocks**
  Machi, A. T., Joshi, G. P.
  Best Practice & Research Clinical Anaesthesiology.
  2019

- **Surgical Site Infiltration: a Neuroanatomical Approach**
  Joshi, G. P., Machi, A. T.
  Best Practice & Research Clinical Anaesthesiology.
  2019

- **Acute Pain Resident Advanced Curriculum**
  Machi, A., Lunden, N., et al
  Anesthesia Toolbox.
  2019

- **FNB vs ACB: Anatomy, Tips and Clinical Pearls**
  Choi, S., Grevstad, U., Jaeger, P., Machi, A. T.
  ASRA Newsletter.
  2016

- **Continuous peripheral nerve blocks in the ambulatory setting: an update of the published evidence.** *Current opinion in anaesthesiology*
  Machi, A. T., Ilfeld, B. M.
  2015; 28 (6): 648-55

- **Discharge Readiness after Tricompartment Knee Arthroplasty: Adductor Canal versus Femoral Continuous Nerve Blocks-A Dual-center, Randomized Trial.** *Anesthesiology*
  Machi, A. T., Sztain, J. F., Kormylo, N. J., Madison, S. J., Abramson, W. B., Monahan, A. M., Khatibi, B., Ball, S. T., Gonzales, F. B., Sessler, D. I., Mascha, E. J., You, J., Nakanote, et al
  2015; 123 (2): 444-56

- **Continuous Adductor Canal Versus Continuous Femoral Nerve Blocks: Relative Effects on Discharge Readiness Following Unicompartment Knee Arthroplasty.** *Regional anesthesia and pain medicine*
  Sztain, J. F., Machi, A. T., Kormylo, N. J., Abramson, W. B., Madison, S. J., Monahan, A. M., Khatibi, B., Ball, S. T., Gonzales, F. B., Sessler, D. I., Mascha, E. J., You, J., Nakanote, et al

2015; 40 (5): 559-67

- **Ultrasound-guided Infraclavicular Block: To Target the Axillary Artery or the Cords?**
  Machi, A., Soo, J., Suresh, P., Cheng, C., Bishop, M., Loland, V., Sandhu, N.
  Anesthesia & Analgesia.
  2011

- **A-P positioning of medialization thyroplasty in an excised larynx model.** *The Laryngoscope*
  Czerwonka, L., Ford, C. N., Machi, A. T., Leverson, G. E., Jiang, J. J.
  2009; 119 (3): 591-6