



Deborah Kenney

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Alternate Contact**

Email dkenney@stanford.edu

Bio

CURRENT ROLE AT STANFORD

Research Manager and Scientist for hand related research both at VA HCS and Stanford Hospitals and Clinics

EDUCATION AND CERTIFICATIONS

- BS, UCLA , Kinesiology (1984)
- MS, San Jose State University , Occupational Therapy (1992)

Publications

PUBLICATIONS

- **National Surgical Incidence and Sociodemographic Differences for Pediatric Polydactyly of the Hand.** *Hand (New York, N.Y.)*
Young, B., Smith, G. B., Titan, A. L., Kenney, D. E., Ladd, A. L.
2026: 15589447261437827
- **Patient Perceptions Regarding Opioid Use: Factors Influencing Participation in a Postoperative Pain Management Randomized Controlled Trial after Carpometacarpal Arthroplasty.** *Hand (New York, N.Y.)*
Smith, G. B., Titan, A. L., Kenney, D. E., Reitz, R., Pham, N. S., Yao, J., Ladd, A. L.
2026: 15589447261437834
- **Decoding the evolutionary landscape of soft tissue sarcomas: From multiregion origins to therapy-driven adaptation**
Soudi, S., Silvia, N., Subramanian, A., Nouth, S., Ryu, F., Kaneko, T., New, C., Kenney, D., Avedian, R., Steffner, R., Mohler, D., Kalbasi, A., Van De Rijn, et al
AMER ASSOC CANCER RESEARCH.2025: B18
- **Two rotational traction techniques for treating dynamic median, ulnar, and radial compressive neuropathies at the elbow: Theoretical implications and ultrasonographic correlations.** *Journal of hand therapy : official journal of the American Society of Hand Therapists*
Chou, R., Gordon, C., Kenney, D., Curtin, C.
2025
- **Clinical Efficacy of Pulsed Electromagnetic Field Therapy on Thumb Carpometacarpal Joint Pain: A Double-Blind, Randomized, Controlled Trial.** *Hand (New York, N.Y.)*
Durtschi, M. S., Rajakumar, V., Kenney, D. E., Pham, N. S., Ladd, A. L., Chou, R. C.
2025: 15589447251371088
- **Incidence and Risk Factors for Soft Tissue Hand and Wrist Conditions in Pregnancy and Postpartum.** *Journal of hand surgery global online*
Smith, G. B., Young, B., Titan, A. L., Kenney, D. E., Ladd, A. L.

2025; 7 (5): 100778

- **Forgoing Upper-Extremity Reconstructive Surgery After Cervical Spinal Cord Injury: A Qualitative Prospective Cohort Study.** *The Journal of hand surgery*
Elmaraghi, S., L'Hotta, A. J., James, A. S., Novak, C. B., Curtin, C. M., Kennedy, C. R., Kenney, D., Tam, K., Stenson, K. C., Ota, D., Fox, I. K.
2025
- **Prevention in non-oncologic intent sarcoma surgery.** *Surgical oncology*
Wise, C. E., Le, C., Pham, N. S., New, C., Kenney, D. E., Avedian, R., Mohler, D., Steffner, R.
2025; 62: 102273
- **Proof of Concept and Validation of Single-Camera AI-Assisted Live Thumb Motion Capture.** *Sensors (Basel, Switzerland)*
Dinh, H. G., Zhou, J. Y., Benmira, A., Kenney, D. E., Ladd, A. L.
2025; 25 (15)
- **Whole genome-based circulating tumor DNA analysis as an ultrasensitive biomarker in pediatric sarcomas.**
Johns, C., Subramanian, A., Soudi, S., Somani, A., Oladipo, E., Ryu, F., Kaneko, T., New, C., Kenney, D., Nouth, S., Avedian, R., Steffner, R., Mohler, et al
LIPPINCOTT WILLIAMS & WILKINS.2025: 10053
- **Outcomes of thumb metacarpophalangeal arthrodesis using intramedullary locking screws.** *The Journal of hand surgery, European volume*
Wise, C. E., Kenney, D. E., Ladd, A. L.
2025: 17531934251340239
- **Evolutionary Pressures Shape Undifferentiated Pleomorphic Sarcoma Development and Radiotherapy Response.** *Cancer research*
Blomain, E., Soudi, S., Wang, Z., Somani, A., Subramanian, A., Nouth, S. C., Oladipo, E., New, C., Kenney, D. E., Nemat-Gorgani, N., Kindler, T., Avedian, R. S., Steffner, et al
2025
- **Personalized Bistable Orthoses for Rehabilitation of Finger Joints**
Lin, Y., Zhu, D., Naidu, A., Yu, K., Harper, D., Halilaj, E., Weber, D., Kenney, D., Popchak, A. J., Baratz, M., Ion, A., ACM
ASSOC COMPUTING MACHINERY.2025
- **Accessing Rehabilitation after Upper Limb Reconstructive Surgery in Cervical Spinal Cord Injury: A Qualitative Study.** *Topics in spinal cord injury rehabilitation*
Randolph, S. B., L'Hotta, A. J., Tam, K., Stenson, K. C., Curtin, C. M., James, A. S., Kennedy, C. R., Ota, D., Novak, C. B., Kenney, D., Fox, I. K.
2024; 30 (4): 35-44
- **Sarcoma microenvironment cell states and ecosystems are associated with prognosis and predict response to immunotherapy.** *Nature cancer*
Subramanian, A., Nemat-Gorgani, N., Ellis-Caleo, T. J., van IJzendoorn, D. G., Sears, T. J., Somani, A., Luca, B. A., Zhou, M. Y., Bradic, M., Torres, I. A., Oladipo, E., New, C., Kenney, et al
2024
- **Opportunistic hand radiographs to screen for low forearm bone mineral density: a prospective and retrospective cohort study.** *BMC musculoskeletal disorders*
O'Mara, A., Kerkhof, F., Kenney, D., Segovia, N., Asbell, P., Ladd, A. L.
2024; 25 (1): 159
- **Peripheral nerve stimulation for saphenous neuralgia.** *Regional anesthesia and pain medicine*
McCullough, M., Kenney, D., Curtin, C., Ottestad, E.
2023
- **Caregiving for People With Spinal Cord Injury Undergoing Upper Extremity Reconstructive Surgery: A Prospective Exploration of Lived Experiences, Perioperative Care, and Change Across Time.** *Topics in spinal cord injury rehabilitation*
Desai, R. H., L'Hotta, A., Kennedy, C., James, A. S., Stenson, K., Curtin, C., Ota, D., Kenney, D., Tam, K., Novak, C., Fox, I.
2023; 29 (3): 58-70
- **Assessment of the Interval to Diagnosis in Pediatric Bone Sarcoma.** *Pediatric emergency care*
Kha, S. T., Sharma, J., Kenney, D., Daldrup-Link, H., Steffner, R.
2023

- **The biomechanics of osteoarthritis in the hand: Implications and prospects for hand therapy.** *Journal of hand therapy : official journal of the American Society of Hand Therapists*
Kerkhof, F., Kenney, D., Ogle, M., Shelby, T., Ladd, A.
2022
- **Surgery to Restore Upper Extremity Function in Tetraplegia-Preferences for Early and Frequent Access to Information.** *PM & R : the journal of injury, function, and rehabilitation*
L'Hotta, A. J., James, A. S., Curtin, C. M., Kennedy, C., Kenney, D., Tam, K., Ota, D., Stenson, K., Novak, C. B., Fox, I. K.
2022
- **Evaluation of the PROMIS Upper Extremity Against Validated Patient-Reported Outcomes in Patients with Early Carpometacarpal Osteoarthritis.** *The Journal of hand surgery*
Garcia-Lopez, E., Moore, D. C., Kenney, D. E., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2022
- **Adhesive Taping Shows Better Cosmetic Outcomes Than Tissue Adhesives for Sutured Upper Extremity Incisions: A Single-Blind Prospective Randomized Controlled Trial** *ORTHOPEDICS*
McQuillan, T. J., Vora, M., Hawkins, J., Kenney, D., Diaz, R., Ladd, A. L.
2022; 45 (1): E42-E46
- **Ultrasound of Thumb Muscles and Grasp Strength in Early Thumb Carpometacarpal Osteoarthritis.** *The Journal of hand surgery*
Lai, C., Kenney, D., Kerkhof, F., Finlay, A., Ladd, A., Roh, E.
2021
- **Single Assessment Numeric Evaluation (SANE) in Hand Surgery: Does a One-Question Outcome Instrument Compare Favorably?** *The Journal of hand surgery*
Gire, J. D., Koltsov, J. C., Segovia, N. A., Kenney, D. E., Yao, J., Ladd, A. L.
2020
- **The Association of AUSCAN and PRWHE Patient-reported Outcome Measures With Radiographic Progression of Early Thumb Carpometacarpal Arthritis at 36-Month Follow-up Is Limited to Subtle Changes in the Pain Subscale.** *Hand (New York, N.Y.)*
Gil, J. A., Kleiner, J. n., McQuillan, T. J., Kenney, D. n., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2020: 1558944720928489
- **Reduction in Cylindrical Grasp Strength Is Associated With Early Thumb Carpometacarpal Osteoarthritis** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Coughlan, M. J., Bourdillon, A., Crisco, J. J., Kenney, D., Weiss, A., Ladd, A. L.
2017; 475 (2): 522-528
- **The AUSCAN and PRWHE Demonstrate Comparable Internal Consistency and Validity in Patients With Early Thumb Carpometacarpal Osteoarthritis.** *Hand (New York, N.Y.)*
McQuillan, T. J., Vora, M. M., Kenney, D. E., Crisco, J. J., Weiss, A. C., Ebert, K. A., Snelgrove, K. E., Sarnowski, A. n., Ladd, A. L.
2017: 1558944717729217
- **Changes in Local Bone Density in Early Thumb Carpometacarpal Joint Osteoarthritis.** *The Journal of hand surgery*
Schreiber, J. J., McQuillan, T. J., Halilaj, E. n., Crisco, J. J., Weiss, A. P., Patel, T. n., Kenney, D. n., Ladd, A. L.
2017
- **Reduction in Cylindrical Grasp Strength Is Associated With Early Thumb Carpometacarpal Osteoarthritis.** *Clinical orthopaedics and related research*
Coughlan, M. J., Bourdillon, A., Crisco, J. J., Kenney, D., Weiss, A., Ladd, A. L.
2016: -?
- **Weaker Functional Pinch Strength Is Associated With Early Thumb Carpometacarpal Osteoarthritis** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
McQuillan, T. J., Kenney, D., Crisco, J. J., Weiss, A., Ladd, A. L.
2016; 474 (2): 557-561
- **Multiple Collagenase Injections Are Safe for Treatment of Dupuytren's Contractures.** *Orthopedics*
Gajendran, V. K., Hentz, V., Kenney, D., Curtin, C. M.
2014; 37 (7): e657-60

- **Functional task kinematics of the thumb carpometacarpal joint.** *Clinical orthopaedics and related research*
Luker, K. R., Aguinaldo, A., Kenney, D., Cahill-Rowley, K., Ladd, A. L.
2014; 472 (4): 1123-1129
- **Robot-assisted upper-limb therapy in acute rehabilitation setting following stroke: Department of Veterans Affairs multisite clinical trial** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
Burgar, C. G., Lum, P. S., Scremin, A., Garber, S. L., Van der Loos, H., Kenney, D., Shor, P.
2011; 48 (4): 445–58
- **Identification of key pinch forces required to complete functional tasks** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*
Smaby, N., Johanson, M. E., Baker, B., Kenney, D. E., Murray, W. M., Hentz, V. R.
2004; 41 (2): 215-223