

Stanford




Amy Ladd, MD

Elsbach-Richards Professor of Surgery and Professor, by courtesy, of Medicine (Immunology & Rheumatology) at the Stanford University Medical Center

Orthopaedic Surgery

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Orthopaedic Musculoskeletal Tumor Surgery**

450 Broadway St Ste A26

Pavilion A 2nd Fl MC 6120

Redwood City, CA 94063

Tel (650) 723-5643 **Fax** (650) 721-3420

- **Orthopaedic Musculoskeletal Tumor Surgery**

450 Broadway St Ste A26

Pavilion A 2nd Fl MC 6120

Redwood City, CA 94063

Tel (650) 723-5643 **Fax** (650) 721-3420

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Donna San Juan - Administrative Assistant

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Bio

BIO

Dr. Ladd graduated from Dartmouth College with an AB in History, received her MD from SUNY Upstate Medical University, completed Orthopaedic Residency at the University of Rochester, and completed the Harvard Combined Hand Surgery Fellowship. She was a fellow at L'Institut de la Main in Paris, France prior to joining the Stanford University faculty in 1990.

CLINICAL FOCUS

- Hand Surgery
- Hand and Upper Extremity Surgery
- Orthopaedic Surgery
- Pediatric & congenital hand surgery

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Orthopaedic Surgery
- Professor - Med Center Line (By courtesy), Medicine - Immunology & Rheumatology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Chief, Hand and Upper Extremity Section, Department of Surgery, Palo Alto VA Medical Center, Palo Alto, CA, (1990-1998)

- Head of Outreach, SUMMIT (Stanford University Medical Media Information Technologies), (2001-2004)
- Chief of the Children's Hand Clinic, Lucile Salter Packard Children's Hospital at Stanford, (1991- present)
- Chief of Chase Hand & Upper Limb Center, Stanford University School of Medicine, (2005- present)
- Professor - Med Center Line (by courtesy), Plastic/Reconstructive Surgery, (2005- present)
- Assistant Dean for Student Advising, Stanford University School of Medicine, (2013- present)
- Vice-Chair, Academic Affairs, Department of Orthopaedic Surgery, (2014- present)

HONORS AND AWARDS

- Andrew J. Weiland Medal, American Society for Surgery of the Hand (2017)
- Nicolas Andry Award: "significant contribution to musculoskeletal research", Association of Bone and Joint Surgeons (2014)
- Compere Award, Outstanding Scientific Paper, Twentieth Century Orthopaedic Association (2012)
- Emanuel B. Kaplan Excellence in Anatomy Award, American Society for Surgery of the Hand (2012)
- Career Development Award, OREF/RJOS/DePuy (2010)
- Dean's Award for Distinguished Teaching, Stanford University (2010)
- Best Doctors in America database, Selected by peers (2007-2013)
- Iris Litt Fund, Institute for Women & Gender at Stanford (2004)
- Poster Exhibit Award, Best Scientific Content Honorable Mention, American Society for Surgery of the Hand Annual Meeting (2003)
- Sterling Bunnell Traveling Fellowship, American Society for Surgery of the Hand (2000-2001)
- Outstanding Faculty Physician Award, Cowell Student Health Center, Stanford University (1998)
- Woman of Achievements award, San Jose Mercury News & Women's Fund (1997)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board member, American Academy of Orthopedic Surgeons (2016 - present)
- Chair, Board of Specialties, American Academy of Orthopedic Surgeons (2018 - present)
- Secretary, Board of Specialties, American Academy of Orthopedic Surgeons (2016 - 2017)
- Chair-elect, Board of Specialties, American Academy of Orthopedic Surgeons (2017 - 2018)
- President, Ruth Jackson Orthopaedic Society (2013 - 2014)
- Board Member, Perry Outreach Initiative (2013 - present)
- Board Member, California Orthopaedic Association (2009 - 2013)

PROFESSIONAL EDUCATION

- Fellowship: Brigham and Women's Hospital Harvard Medical School (1990) MA
- Internship: Pacific Medical Center Seattle (1986)
- Board Certification: Hand Surgery, American Board of Orthopaedic Surgery (1994)
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (1992)
- Residency: University of Rochester School of Medicine (1989) NY
- Medical Education: SUNY Upstate Medical University (1984) NY
- AB, Dartmouth College , History (1980)
- MD, SUNY Upstate Medical University , Medicine (1984)

COMMUNITY AND INTERNATIONAL WORK

- Chinle Navajo Reservation, Chinle, AZ

- Interplast, Vietnam

PATENTS

- APC Weiss, AL Ladd, R Fiebiger, GB Hulme, JJ Christian. "United States Patent US2017/0231674 A1 Wedge Shaped Fracture Fixation Devices and Methods for Using the Same", Stryker, Inc, Aug 17, 2017
- J Rose, DW Meister, AL Ladd, KM Steele. "United States Patent 2014/0257538 Methods for analyzing and providing feedback for improved power generation in a golf swing", Leland Stanford Junior University, Apr 1, 2017
- Amy Ladd. "United States Patent Registered Trademark No. 5,129,413, Serial number 86270352, Int. Cl 14, 25, 35,36 Design of Looped Ribbon for bone health awareness", Amy Ladd, Jan 24, 2017
- Amy Ladd. "United States Patent TM 86/270,352 Bone Ribbon Graphic, bone health awareness", Amy Ladd, Dec 9, 2014
- Amy Ladd. "United States Patent 20130211522 Wedge Shaped Fracture Fixation Devices and Methods for Using the Same", APC Weiss, AL Ladd, R Fiebiger, GB Hulme, JJ Christian, Aug 15, 2013
- J Rose, DW Meister, AL Ladd, KM Steele. "United States Patent 8696450 Methods for analyzing and providing feedback for improved power generation in a golf swing", Leland Stanford Junior University, Jul 27, 2012
- AL Ladd, APC Weiss, GB Hulme, M Thompson, JJ Christian. "United States Patent 20120035666 Reduced Bone Fracture Fixation Device", AL Ladd, APC Weiss, GB Hulme, M Thompson, JJ Christian, Feb 9, 2011
- Amy Ladd. "United States Patent 20100217391 Tensioning Bone Implant Device", Amy Ladd, Nov 1, 2009

LINKS

- Stanford Hand Surgery: <http://handsurgery.stanford.edu/>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. The kinematics and forces associated with thumb carpometacarpal (CMC) function and pathology: current RO1 NIH grant evaluating the thumb position for normal functional tasks as determined with CT scans. The study evaluates normal subjects, and subjects with early arthritis over a 3 year period. Several related studies are underway.

2. The anatomy, microstructure, and immunofluorescent characteristics of the thumb CMC joint: The ligaments of the thumb CMC joint are purportedly looser in women, and wear out in arthritis. Our studies to date do not fully support this concept, and we approach further study through a variety of quantitative techniques. These include anatomical dissection, histomorphometric analysis, immunofluorescent staining to determine proprioceptive mechanoreceptors, and the histology and micro-CT analysis of trabecular wear.

3. Pathomechanics of CMC arthritis: biomechanical wear, injury, genetic, and environmental causes: A variety of studies, including biomechanical testing, demographic analysis, and co-institutional study is underway.

4. Archiving, vitalizing, and innovating medical and surgical knowledge, most recently with innovative iBook monographs: a thumb CMC arthritis iBook and Anatomy iBook for patient education will be published in 2013, and the next iBook planned is congenital anomalies of the hand.

PROJECTS

- Thumb carpometacarpal (CMC) Arthritis

Teaching

COURSES

2015-16

- Introductory Clinical Mentorship: ORTHO 290 (Aut, Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Faes Kerkhof

Postdoctoral Research Mentor

Faes Kerkhof

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Hand Surgery (Fellowship Program)

Publications

PUBLICATIONS

- **Osteophyte Growth in Early Thumb Carpometacarpal Osteoarthritis.** *Osteoarthritis and cartilage*
Crisco, J. J., Morton, A. M., Moore, D. C., Kahan, L. G., Ladd, A. L., Weiss, A. C.
2019
- **Histopathological analysis of the synovium in trapeziometacarpal osteoarthritis.** *The Journal of hand surgery, European volume*
Rein, S., Okogbaa, J., Hagert, E., Manthey, S., Ladd, A.
2019: 1753193419848600
- **The Orthopaedic Workforce Is Not as Diverse as the Population It Serves: Where Are the Minorities and the Women? AOA Critical Issues Symposium** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Harrington, M. A., Rankin, E., Ladd, A. L., Mason, B. S.
2019; 101 (8)
- **The Orthopaedic Workforce Is Not as Diverse as the Population It Serves: Where Are the Minorities and the Women?: AOA Critical Issues Symposium.** *The Journal of bone and joint surgery. American volume*
Harrington, M. A., Rankin, E. A., Ladd, A. L., Mason, B. S.
2019; 101 (8): e31
- **Automatic segmentation of the thumb trapeziometacarpal joint using parametric statistical shape modelling and random forest regression voting** *COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING-IMAGING AND VISUALIZATION*
Schneider, M. Y., Zhang, J., Crisco, J. J., Weiss, A. C., Ladd, A. L., Nielsen, P. F., Besier, T.
2019; 7 (3): 297–301
- **Golf Swing Rotational Velocity: The Essential Follow-Through** *ANNALS OF REHABILITATION MEDICINE-ARM*
Steele, K. M., Roh, E. Y., Mahtani, G., Meister, D. W., Ladd, A. L., Rose, J.
2018; 42 (5): 713–21
- **Golf Swing Rotational Velocity: The Essential Follow-Through.** *Annals of rehabilitation medicine*
Steele, K. M., Roh, E. Y., Mahtani, G., Meister, D. W., Ladd, A. L., Rose, J.
2018; 42 (5): 713–21
- **Bennett Fractures: A Biomechanical Model and Relevant Ligamentous Anatomy.** *The Journal of hand surgery*
Kang, J. R., Behn, A. W., Messina, J., Ladd, A. L.
2018
- **Therapy Concepts for the Proximal Interphalangeal Joint** *HAND CLINICS*
Douglass, N. P., Ladd, A. L.
2018; 34 (2): 289-+
- **The Teleology of the Thumb: On Purpose and Design** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Ladd, A. L.
2018; 43 (3): 248–59

- **Polydactyly of the Hand.** *The Journal of the American Academy of Orthopaedic Surgeons*
Comer, G. C., Potter, M., Ladd, A. L.
2018; 26 (3): 75–82
- **Polydactyly of the Hand** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
Comer, G. C., Potter, M., Ladd, A. L.
2018; 26 (3): 75–82
- **Trapeziometacarpal joint contact varies between men and women during three isometric functional tasks** *MEDICAL ENGINEERING & PHYSICS*
Schneider, M. Y., Zhang, J., Crisco, J. J., Weiss, A. C., Ladd, A. L., Mithraratne, K., Nielsen, P., Besier, T.
2017; 50: 43–49
- **CORR Insights (R): What Demographic and Clinical Characteristics Correlate With Expectations With Trapeziometacarpal Arthritis?** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2017; 475 (11): 2712–15
- **Candidate Quality Measures for Hand Surgery** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Kamal, R. N., Akelman, E., Ruch, D. S., Richard, M. J., Ladd, A., Got, C., Blazar, P., Yao, J., Kakar, S., Harris, A. S., Ring, D., Hand Surg Quality Consortium
2017; 42 (11): 859+
- **Incidence of Acute Complications Following Surgery for Syndactyly and Polydactyly: An Analysis of the National Surgical Quality Improvement Program Database from 2012 to 2014** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
McQuillan, T. J., Hawkins, J. E., Ladd, A. L.
2017; 42 (9)
- **Integrating Musculoskeletal Education and Patient Care at Medical Student-Run Free Clinics.** *PM & R : the journal of injury, function, and rehabilitation*
McQuillan, T., Wilcox-Fogel, N., Kraus, E., Ladd, A., Fredericson, M.
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.
2017; 475 (2): 522-528
- **Incidence of Acute Complications Following Surgery for Syndactyly and Polydactyly: An Analysis of the National Surgical Quality Improvement Program Database from 2012 to 2014.** *The Journal of hand surgery*
McQuillan, T. J., Hawkins, J. E., Ladd, A. L.
2017; 42 (9): 749.e1–749.e7
- **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., 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., Crisco, J. J., Weiss, A. P., Patel, T., Kenney, D., 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: -?
- **Quality Measures That Address the Upper Limb** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Kamal, R. N., Ring, D., Akelman, E., Ruch, D. S., Richard, M. J., Ladd, A., Got, C., Blazar, P., Yao, J., Kakar, S.
2016; 41 (11): 1041-1048
- **Pearls: Snakes in the Grass and Other Surgical Gems** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2016; 474 (11): 2357–58

- **The Perry Initiative's Medical Student Outreach Program Recruits Women Into Orthopaedic Residency** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Lattanza, L. L., Meszaros-Dearolf, L., O'Connor, M. I., Ladd, A., Bucha, A., Trauth-Nare, A., Buckley, J. M.
2016; 474 (9): 1962-1966
- **Gendered Innovations in Orthopaedic Science: Hollywood and Orthopaedics: Through the Glass Ceiling-Darkly** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2016; 474 (6): 1379-1382
- **Quality Measurement: A Primer for Hand Surgeons** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Kamal, R. N., Kakar, S., Ruch, D., Richard, M. J., Akelman, E., Got, C., Blazar, P., Ladd, A., Yao, J., Ring, D.
2016; 41 (5): 645-651
- **A Unified Approach to Outcomes Assessment for Distal Radius Fractures** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Waljee, J. F., Ladd, A., MacDermid, J. C., Rozental, T. D., Wolfe, S. W.
2016; 41 (4): 565-573
- **Quality Measures in Upper Limb Surgery.** *journal of bone and joint surgery. American volume*
Kamal, R. N., Ring, D., Akelman, E., Yao, J., Ruch, D. S., Richard, M., Ladd, A., Got, C., Blazar, P., Kakar, S.
2016; 98 (6): 505-510
- **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
- **Gendered Innovations in Orthopaedic Science: Sex, Lies, and Stereotype: In Praise of the Systematic Review** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2016; 474 (1): 27-30
- **Early osteoarthritis of the trapeziometacarpal joint is not associated with joint instability during typical isometric loading.** *Journal of orthopaedic research*
Halilaj, E., Moore, D. C., Patel, T. K., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2015; 33 (11): 1639-1645
- **Altered Innervation Pattern in Ligaments of Patients with Basal Thumb Arthritis.** *Journal of wrist surgery*
Ludwig, C. A., Mobargha, N., Okogbaa, J., Hagert, E., Ladd, A. L.
2015; 4 (4): 284-291
- **Older asymptomatic women exhibit patterns of thumb carpometacarpal joint space narrowing that precede changes associated with early osteoarthritis.** *Journal of biomechanics*
Halilaj, E., Moore, D. C., Patel, T. K., Laidlaw, D. H., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2015; 48 (13): 3643-3649
- **Older asymptomatic women exhibit patterns of thumb carpometacarpal joint space narrowing that precede changes associated with early osteoarthritis** *JOURNAL OF BIOMECHANICS*
Halilaj, E., Moore, D. C., Patel, T. K., Laidlaw, D. H., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2015; 48 (13): 3634-3640
- **Men and women have similarly shaped carpometacarpal joint bones** *JOURNAL OF BIOMECHANICS*
Schneider, M. T., Zhang, J., Crisco, J. J., Weiss, A. P., Ladd, A. L., Nielsen, P., Besier, T.
2015; 48 (12): 3420-3426
- **Denosumab, a Potential Alternative to the Surgical Treatment of Distal Radius Giant Cell Tumor of Bone: Case Report.** *journal of hand surgery*
Park, M. J., Ganjoo, K. N., Ladd, A. L.
2015; 40 (8): 1620-1624
- **Gendered Innovations in Orthopaedic Science: Women (and Men) Who Rock** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.

2015; 473 (8): 2460-63

- **In vivo recruitment patterns in the anterior oblique and dorsoradial ligaments of the first carpometacarpal joint** *JOURNAL OF BIOMECHANICS*
Halilaj, E., Rainbow, M. J., Moore, D. C., Laidlaw, D. H., Weiss, A. C., Ladd, A. L., Crisco, J. J.
2015; 48 (10): 1893-1898
- **Male and Female Differences in Musculoskeletal Disease** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
Wolf, J. M., Cannada, L., Van Heest, A. E., O'Connor, M. I., Ladd, A. L.
2015; 23 (6): 339-347
- **Management of complications of congenital hand disorders.** *Hand clinics*
Comer, G. C., Ladd, A. L.
2015; 31 (2): 361-375
- **Management of Complications of Congenital Hand Disorders** *HAND CLINICS*
Comer, G. C., Ladd, A. L.
2015; 31 (2): 361-?
- **Gendered Innovations in Orthopaedic Science: Civil Liberties, Darwin, and the Evolution of Science** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2015; 473 (5): 1560-1565
- **Correlation of clinical disease severity to radiographic thumb osteoarthritis index.** *journal of hand surgery*
Ladd, A. L., Messana, J. M., Berger, A. J., Weiss, A. C.
2015; 40 (3): 474-482
- **In Vivo kinematics of the trapeziometacarpal joint during thumb extension-flexion and abduction-adduction.** *journal of hand surgery*
Crisco, J. J., Halilaj, E., Moore, D. C., Patel, T., Weiss, A. C., Ladd, A. L.
2015; 40 (2): 289-296
- **A comprehensive overview of osteoporotic fracture treatment.** *Instructional course lectures*
Wolf, J. M., Cannada, L. K., Lane, J. M., Sawyer, A. J., Ladd, A. L.
2015; 64: 25-36
- **In vivo recruitment patterns in the anterior oblique and dorsoradial ligaments of the first carpometacarpal joint.** *Journal of biomechanics*
Halilaj, E., Rainbow, M. J., Moore, D. C., Laidlaw, D. H., Weiss, A. C., Ladd, A. L., Crisco, J. J.
2015
- **The 2014 ABJS Nicolas Andry Award: The Puzzle of the Thumb: Mobility, Stability, and Demands in Opposition** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L., Crisco, J. J., Hagert, E., Rose, J., Weiss, A. C.
2014; 472 (12): 3605-3622
- **The 2014 ABJS Nicolas Andry Award: The puzzle of the thumb: mobility, stability, and demands in opposition.** *Clinical orthopaedics and related research*
Ladd, A. L., Crisco, J. J., Hagert, E., Rose, J., Weiss, A. C.
2014; 472 (12): 3605-3622
- **Gendered Innovations in Orthopaedic Science: From Access to Zygote: A Gender and Orthopaedics Lexicon** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2014; 472 (12): 3629-3631
- **Editor's Spotlight/Take 5: The 2014 ABJS Nicolas Andry Award: The Puzzle of the Thumb: Mobility, Stability, and Demands in Opposition** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Leopold, S. S.
2014; 472 (12): 3601-3604
- **Thumb Carpometacarpal Ligaments Inside and Out: A Comparative Study of Arthroscopic and Gross Anatomy from the Robert A. Chase Hand and Upper Limb Center at Stanford University (vol 2, Pg 55, 2014)** *JOURNAL OF WRIST SURGERY*
Zhang, A. Y., Van Nortwick, S., Hagert, E., Yao, J., Ladd, A. L.

2014; 3 (4): E1

- **Gendered Innovations in Orthopaedic Science: Title IX Education: Book Learnin' and Bone Mendin'.** *Clinical orthopaedics and related research*
Ladd, A. L.
2014; 472 (9): 2586-2589
- **The morphology of the thumb carpometacarpal joint does not differ between men and women, but changes with aging and early osteoarthritis.** *Journal of biomechanics*
Halilaj, E., Moore, D. C., Laidlaw, D. H., Got, C. J., Weiss, A. C., Ladd, A. L., Crisco, J. J.
2014; 47 (11): 2709-2714
- **The Sports Bra, the ACL, and Title IX - The Game in Play** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Ladd, A. L.
2014; 472 (6): 1681-1684
- **Editorial comment: symposium: thumb carpometacarpal arthritis.** *Clinical orthopaedics and related research*
Ladd, A. L.
2014; 472 (4): 1093-1094
- **In Vivo Kinematics of the Thumb Carpometacarpal Joint During Three Isometric Functional Tasks** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Halilaj, E., Rainbow, M. J., Got, C., Schwartz, J. B., Moore, D. C., Weiss, A. C., Ladd, A. L., Crisco, J. J.
2014; 472 (4): 1114-1122
- **Intra- and interobserver reliability of the eaton classification for trapeziometacarpal arthritis: a systematic review.** *Clinical orthopaedics and related research*
Berger, A. J., Momeni, A., Ladd, A. L.
2014; 472 (4): 1155-1159
- **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
- **Ultrastructure and Innervation of Thumb Carpometacarpal Ligaments in Surgical Patients With Osteoarthritis** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Mobargha, N., Ludwig, C., Ladd, A. L., Hagert, E.
2014; 472 (4): 1146-1154
- **Guest Editorial : The Robert's View: A Historical and Clinical Perspective.** *Clinical orthopaedics and related research*
Ladd, A. L.
2014; 472 (4): 1097-1100
- **Let's Talk About Sex, Baby: Gendered Innovations in Orthopaedic Science.** *Clinical orthopaedics and related research*
Ladd, A. L.
2014; 472 (3): 793-795
- **Recommendation for measuring clinical outcome in distal radius fractures: a core set of domains for standardized reporting in clinical practice and research** *ARCHIVES OF ORTHOPAEDIC AND TRAUMA SURGERY*
Goldhahn, J., Beaton, D., Ladd, A., MacDermid, J., Hoang-Kim, A.
2014; 134 (2): 197-205
- **Thumb carpometacarpal joint congruence during functional tasks and thumb range-of-motion activities.** *Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference*
Halilaj, E., Moore, D. C., Patel, T. K., Laidlaw, D. H., Ladd, A. L., Weiss, A. C., Crisco, J. J.
2014; 2014: 4354-4357
- **Trapezial topography in thumb carpometacarpal arthritis.** *Journal of wrist surgery*
Van Nortwick, S., Berger, A., Cheng, R., Lee, J., Ladd, A. L.
2013; 2 (3): 263-270
- **Trapezium trabecular morphology in carpometacarpal arthritis.** *journal of hand surgery*

- Lee, A. T., Williams, A. A., Lee, J., Cheng, R., Lindsey, D. P., Ladd, A. L.
2013; 38 (2): 309-315
- **Trapezium Trabecular Morphology in Carpometacarpal Arthritis** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Lee, A. T., Williams, A. A., Lee, J., Cheng, R., Lindsey, D. P., Ladd, A. L.
2013; 38A (2): 309-315
 - **Thumb carpometacarpal ligaments inside and out: a comparative study of arthroscopic and gross anatomy from the robert a. Chase hand and upper limb center at stanford university.** *Journal of wrist surgery*
Zhang, A. Y., Van Nortwick, S., Hagert, E., Ladd, A. L.
2013; 2 (1): 55-62
 - **The scaphoid.** *Orthopedic clinics of North America*
Sendher, R., Ladd, A. L.
2013; 44 (1): 107-120
 - **The thumb carpometacarpal joint: anatomy, hormones, and biomechanics.** *Instructional course lectures*
Ladd, A. L., Weiss, A. C., Crisco, J. J., Hagert, E., Wolf, J. M., Glickel, S. Z., Yao, J.
2013; 62: 165-179
 - **Hand Made/Hand in Art: Hands in Repose** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Ladd, A. L.
2012; 37A (10): 2136-2136
 - **Macroscopic and microscopic analysis of the thumb carpometacarpal ligaments: a cadaveric study of ligament anatomy and histology.** *journal of bone and joint surgery. American volume*
Ladd, A. L., Lee, J., Hagert, E.
2012; 94 (16): 1468-1477
 - **Macroscopic and Microscopic Analysis of the Thumb Carpometacarpal Ligaments A Cadaveric Study of Ligament Anatomy and Histology** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Ladd, A. L., Lee, J., Hagert, E.
2012; 94A (16): 1468-1477
 - **Titanium integration with bone, welding, and screw head destruction complicating hardware removal of the distal radius: report of 2 cases.** *journal of hand surgery*
Van Nortwick, S. S., Yao, J., Ladd, A. L.
2012; 37 (7): 1388-1392
 - **Titanium Integration With Bone, Welding, and Screw Head Destruction Complicating Hardware Removal of the Distal Radius: Report of 2 Cases** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
Van Nortwick, S. S., Yao, J., Ladd, A. L.
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