



Julia Lee, M.D.

1630 East Herndon Ave. Fresno, CA 93720

lee.julia@gmail.com

864-546-2049

Employment

Sierra Pacific Orthopedic Center, Fresno, CA

Orthopedic Surgeon

Shoulder, Elbow & Upper Extremity Specialist

Education

8/2016 - 7/2017

Mayo Clinic, Rochester, MN

Orthopaedic Surgery Fellowship, Shoulder & Elbow Reconstruction

7/2011 - 6/2016

Greenville Health System, Greenville, SC

Orthopaedic Surgery Residency

8/2006 - 5/2011

Albany Medical School, Albany, NY

M.D.

8/2001 - 6/2005

University of California, San Diego, La Jolla, CA

B.S. Biochemistry and Cell Biology

Certifications

Licensure

State of California

ABOS

ABOS Board Certification 7/2019

Honors/Awards

2018

AAOS Orthopedic Video Theater Award

2017

Mayo Clinic Orthopedic Research Review Committee Project Grant

2016

Mayo Clinic Orthopedic Research Review Committee Project Grant

2013

RJOS Resident Scholarship

2012

Greenville Health System Stellar Star Award

2012

OREF Resident Research Grant

2009

Albany Medical College Robert DeCormier Memorial Scholarship

2007

Albany Medical College William J. Walker Scholarship

Memberships

RJOS

Member at large, RJOS Mentoring Committee

AAOS

Member at large

AANA

Member at large

COA

Member at large

Publications

- Lee J**, Quaintance KE, Schultz AN, Shukla DR, Cofield RH, Sperling JW, Patel R, Sanchez-Sotelo J. Correlation between hemolytic profile and phylotype of *Cutibacterium acnes* (formerly *Propionibacterium acnes*) and orthopedic implant infection. *Shoulder & Elbow*. 2019 Aug; doi: 10.1177/1758573219865884
- Kennon JC, **Lee J**, Songy C, Shukla DR, Cofield RH, Sanchez-Sotelo J, Sperling JW. The effect of patient-reported metal allergies on the outcomes of shoulder arthroplasty. *J Shoulder and Elbow Surg*. 2019 Aug 16. doi: 10.1016/j.jse.2019.06.006
- Aibinder WR, **Lee J**, Shukla DR, Cofield RH, Sanchez-Sotelo J, Sperling JW. An anatomic intraoperatively prepared antibiotic spacer in two-stage shoulder reimplantation for deep infection: the potential for early rehabilitation. *Orthopedics* 2019 Jul 1;42(4):211-218. doi: 10.3928/01477447-20190701-01.
- Lee J**, Nguyen NT, Shukla DR, Sperling JW, Cofield RH, Sanchez-Sotelo J. Shoulder arthroplasty in patients with upper extremity lymphedema may result in transient or permanent lymphedema worsening. *Shoulder & Elbow*. 2019 July.
- Shukla DR, McLaughlin RJ, **Lee J**, Cofield RH, Sperling JW, Sanchez-Sotelo J. Intraobserver and interobserver reliability of the modified Walch classification using radiographs and computed tomography. *J Shoulder Elbow Surg*. 2019 Apr;28(4):625-630. doi:10.1016/j.jse.2018.09.021
- Woodmass JM, **Lee J**, Wu IT, Desai VS, Camp CL, Dahm DL, Krych AJ. Incidence of posterior shoulder instability and trends in surgical reconstruction: a 22-year population-based study. *J Shoulder Elbow Surg*. 2019 Apr;28(4):611-616. doi: 10.1016/j.jse.2018.08.046
- Shukla DR, McLaughlin R, **Lee J**, Nguyen NT, Sanchez-Sotelo J. Automated three-dimensional measurements of version, inclination and subluxation. *Shoulder and Elbow*. 2019 Feb.
- Le Hanneur M, **Lee J**, Wagner ER, Elhassan BT. Options of bipolar muscle transfers to restore deltoid function: an anatomical study. *Surg Radiol Anat* 2018 Dec 12. doi: 10.1007/s00276-018-2159-1
- Woodmass JM, **Lee J**, Johnson NR, Camp CL, Dahm DL, Krych AJ. Non-operative Management of Posterior Shoulder Instability: An assessment of Survival and Predictors for Conversion to Surgery at 1 to 13 years After Diagnosis. *Am J Sports Med*. 2018 July 27. doi: 10.1177/2325967118S00098
- Shukla DR, Vaichinger AM, Shields MN, **Lee J**, Gupta S, Fitzsimmons JS, O'Driscoll SW. Patient-Physician Agreement Using Summary Outcome Determination Scores. *Mayo Clin Proc*. 2018 Jan;93(1):32-39. doi: 10.1016/j.mayocp.2017.10.008
- Lafosse T, Le Hanneur M, **Lee J**, Elhassan B. Bipolar pedicled teres major transfer for irreparable subscapularis tendon tears: an anatomic feasibility study. *J Shoulder Elbow Surg* 2018;27(5), 931-939. doi: 10.1016/j.jse.2017.11.024

- Lee J, Shukla DR, Sanchez-Sotelo J.** Subscapularis Tears: Hidden and Forgotten No More
JSES Open Access 2018;2(1):74-83. doi: 10.1016/j.jses.2017.11.006
- Shukla DR, **Lee J**, Mangold D, Cofield RH, Sanchez-Sotelo J, Sperling JW. Reverse Shoulder Arthroplasty with a Proximal Humeral Replacement for the Management of Massive Proximal Humeral Bone Loss (*submitted CORR*)
- Elhassan BT, Wagner ER, Werthel JD, Lehanneur M, **Lee J.** Outcome of Reverse Shoulder Arthroplasty with Pedicle Pectoralis Transfer in Patients with Deltoid Paralysis. J Shoulder Elbow Surg, 2018 Jan;27(1):96-103. doi: 10.1016/j.jse.2017.07.007
- Lee J, Shields MN, O'Driscoll SW.** Partial Radial Head Arthroplasty: Two Case Reports with Minimum 8 Year Follow Up. JSES Open Access 2017;1(1):94-97. doi: 10.1016/j.jses.2017.06.001
- Fracture fixation in the operative management of hip fractures (FAITH): an international, multicentre, randomised controlled trial. Lancet 2017 April 15;389(10078):1519-1527. doi: 10.1016/S0140-6736(17)30066-1.
- Elhassan BT, Cox RM, Shukla DR, **Lee J**, Murthi AM, Tashjian RZ, Abboud JA. Management of Failed Rotator Cuff Repair in Young Patients. J Am Acad Ortho Surg. 2017 Nov;25(11):e261-e271. doi: 10.5435/JAAOS-D-17-00086
- The Flow Investigators. A Trial of Wound Irrigation in the Initial Management of Open Fracture Wounds. N Engl J Med 2015;373:2629-41. DOI: 10.1056/NEJMoa1508502
- Kissenberth M, Tokish J, **Lee J**, Shelley C, Swinehart D, Tolan S, Hawkins R, Thigpen. Biceps Tenodesis is Superior to Tenotomy in Young Patients Undergoing Large Rotator Cuff Repair. Arthroscopy. 2015 June;31(6):e7-e8. doi: 10.1016/j.arthro.2015.04.022
- Van Nortwick S, Berger A, Cheng R, **Lee J**, Ladd AL. Trapezial topography in thumb carpometacarpal arthritis. J Wrist Surg. 2013 Aug;2(3):263-270. doi:10.1055/2-0033-1350088.
- Lee AT, Williams AA, **Lee J**, Cheng R, Lindsey DP, Ladd, A.L. Trapezium trabecular morphology in carpometacarpal arthritis. J Hand Surg Am. 2013 Feb;38(2):309-315. doi: 10.1015/j.jhsa.2012.10.038
- Ladd AL, **Lee J**, Hagert E. Macroscopic and Microscopic Analysis of the Thumb Carpometacarpal Ligaments: A Cadaveric Study of Ligament Anatomy and Histology. J Bone Joint Surg Am. 2012 Aug 15;94(16):1468-1477. doi:10.2106/JBJS.K.00329
- Hagert E, **Lee J**, Ladd AL. Innervation Patterns of Thumb Trapeziometacarpal Joint Ligaments. J Hand Surg Am. 2012;27A(4):706-714. doi:10.1016/j.jhsa.2011.12.038
- Lee J**, Ladd AL, Hagert E. Immunofluorescent Triple-Staining Technique to Identify Sensory Nerve Endings in Human Thumb Ligaments. Cells Tissues Organs 2012; 195(5):456-464. doi: 10.1159/000327725

Ata A, **Lee J**, Bestle SL, Desemone J, Stain SC. Postoperative Hyperglycemia and Surgical Site Infection in General Surgery Patients. *Arch Surg.* 2010;145(9):858-864. doi:10.1001/archsurg.2010.179

Chu P, Clanton DJ, Snipas TS, **Lee J**, Mitchell E, Nguyen ML, Hare E, Peach RJ. *Int J Cancer.* 2009;124(6):1312-1321. doi:10.1002/ijc.24061.

Song Y, Liu C, **Lee J**, Bolanos M, Vaisanen ML, Finegold SM. "Bacteroides goldsteinii sp. nov." isolated from clinical specimens of human intestinal origin. *J Clin Microbiol.* 2005 Sep; 43(9):4522-4527.

Song Y, Liu C, Bolanos M, **Lee J**, McTeague M, Finegold SM. Evaluation of 16S rRNA Sequencing Re-evaluation of a short Biochemical Scheme for Identification of Clinically Significant Bacteroides Species. *J Clin Microbiol.* 2005;43(4):1531-1537. doi:10.1128/jcm.43.4.1531-1537.2005

Poster/Podium Presentations

Lee J, Greenwood Quaintance KE, Schuetz AN, Shukla DR, Cofield RH, Sperling JW, Patel R, Sanchez-Sotelo J. Correlation Between Hemolytic Profile and Phylotype of *C. acnes* and Orthopedic Implant Infection. Podium Presentation ICSES 2019

Lee J, Nguyen T, Shukla DR, Sperling JS, Cofield RH, Sanchez-Sotelo JS. Shoulder Arthroplasty in Patients with Lymphedema. Podium presentation AAOS 2019

Lee J, Woodmass JM, Wu IT, Camp CL, Dahm DL, Krych AJ. Does Labral Reconstruction Prevent Osteoarthritis After Shoulder Instability: A Population-Based Study. Podium presentation ESSKA 2018

Lee J, Woodmass JM, Nick R Johnson, Wu IT, Camp CL, Dahm DL, Krych AJ. Non-operative Management of Posterior Shoulder Instability: An Assessment of Survival and Predictors for Conversion to Surgery at 1 to 10 years After Diagnosis. Podium presentation AANA 2018

Lee J, Shukla DR, Melugin H, Cofield RH, Sperling JW, Sanchez-Sotelo JS. Reverse Total Shoulder Arthroplasty for Nonunions of the Proximal Humerus - the Impact of previous surgical fixation. Podium presentation at AAOS 2018

Lee J, McLaughlin RJ, Steinmann SP. Outcomes of Total Elbow Arthroplasty for Posttraumatic Elbow Osteoarthritis in Patients Under 50 Years Old. Podium presentation AAOS 2018

Lee J, Shukla DR, Shields MN, Vaichinger A, O'Driscoll SW. Post-Operative Management of Elbow Contracture Release: An International Survey of Elbow Surgeons. SECEC Meeting Sept 2017.

Lee J, Tibbo M, Shukla DR, Steinmann SP. Reverse Total Shoulder Arthroplasty Offers a Stable Limb-Salvage Option for Proximal Humerus Tumor Resection Independent of Deltoid Involvement. SECEC Meeting Sept 2017

Shukla DR, **Lee J**, Nguyen T, Sanchez-Sotelo Joaquin. Guidelines for Evidence-Based Prevention of Prosthetic Shoulder Infections Are Lacking: A Survey of Shoulder Surgeons. SECEC Meeting Sept 2017

Shukla DR, **Lee J**, Shields MN, Vaichinger A, Fitzsimmons J, O'Driscoll SW. The Subjective Outcome Determination (SOD): A Retrospective Study on Physician-Patient Score Correlation. SECEC Meeting Sept 2017

Lee J, Shukla DR, Melugin H, Cofield RH, Sperling JW, Sanchez-Sotelo JS. Reverse Total Shoulder Arthroplasty for Nonunions of the Proximal Humerus - the Impact of previous surgical fixation. Podium presentation at San Diego Shoulder Course June 2017.

Lee J. Upper Extremity Case Presentations. Mayo Shoulder and Elbow Course, January 2017.

Gibson TW, **Lee J**, Meeker GM, Wack L. Medial Patellofemoral Ligament Reconstruction with Hamstring and Biotenodesis Screw Fixation in Children and Adolescents: A Large Consecutive Series. Podium Presentation, Pediatric Orthopaedic Society of North America Meeting 2016.

Lee J. Technology and Orthopaedics. Greenville Health System, Department of Orthopaedic Surgery Grand Rounds March 2016.

Lee J. Biceps Tenodesis Superior to Biceps Tenotomy in Younger Patients with Large Rotator Cuff Tears. Podium Presentation South Carolina Orthopaedic Association 2015 Annual Meeting

Rusly, R.J., **Lee J**., Xie, X., Walker, K.J., Broome, B., Tanner, S.J., DesJardins, J.D. Influence of Hamstrings Activation on Knee Mechanics Using a Novel Deep Knee Bending Simulator, Poster Presentation Orthopedic Research Society 2014 Annual Meeting.

Van Nortwick, S., **Lee J**., Cheng, R., Ladd, A.L. Divergent Patterns of Trapezial Articular Degeneration in Thumb Carpometacarpal (CMC-I) Arthritis. Podium presentation 2012 AAOS Annual Meeting.

Lee J., Hagert E., Ladd, A.L. Ligaments of the Thumb Carpometacarpal Joint Revisited. Poster presentation at 2010 ASSH Annual Meeting.

Goodman, J., **Lee J**., Ladd, A.L. 3D Motion Analysis of Thumb Kinematics. Poster Presentation Stanford Bio-X Symposium 2010.

Sheppard, A., Lee, D., Gatewood, C., Phung, M., Manzano, W., **Lee J**. Gait Biomechanics and Sonification. Poster presentation Stanford Medicine and Muse Symposium 2010.

Ata, A., **Lee J**., Bestle, S., Desemone, J., Stain, S.C. Postoperative Hyperglycemia Is an Independent Risk Factor for Surgical Site Infection in General Surgery Patients. Podium presentation 2010 PCSA Annual Meeting.

Lee J., Holweg, C., Luikart, H., Valantine, H.A. A Timecourse Study on the Relationship between hsCRP, CMV, and Cardiac Allograft Vasculopathy. Poster Presentation 2006 World Transplant Congress.

Book Chapters

Elbow Arthritis in Athletes (Julia Lee, Scott Steinmann) - Operative Techniques in Sports Medicine

Treatment of Deltoid Deficiency and Paralysis in Shoulder Arthroplasty (Julia Lee, Bassem Elhassan) - Complex and Revision Shoulder Arthroplasty

Course Faculty

Arthrex WINS: Women in Sports Medicine Symposium (Naples, FL 9/2018)

Mayo Clinic Teach the Teachers Elbow Course (Rochester, MN 5/2017)

Mayo Clinic Shoulder Tendon Transfer Course (Rochester, MN, 4/2017)

Mayo Clinic Shoulder and Elbow Course (Scottsdale, AZ, 1/2017)

Research Experience

1/2010 - 12/2010

Dept of Orthopedic Surgery, Stanford University

PI: Dr. Amy L Ladd

Piloted projects involving in-vivo kinematic analysis of the thumb CMC joint using 3D motion capture and CT imaging as well as anatomic and immunohistochemical analysis of thumb CMC ligament innervation

7/2005 - 6/2006

Dept of Cardiovascular Medicine, Stanford University

PI: Dr. Hannah A Valentine

Coordinated study on cytomegalovirus infections in heart transplant patients

6/2003 - 6/2005

Biogen IDEC Pharmaceuticals

PI: Dr. Peter Chu

Identification and characterization of cell surface markers in colon and ovarian cancer stem cells

Work/Volunteer Experience

2012, 2014

Baptist Medical and Dental Mission International

Medical mission to Honduras providing orthopaedic care to an underserved population

2005 - 2006

Girls' Cross-Country / Track Coach

2003 - 2005

Camp Kesem UCSD, Founder, Co-Coordinator

Non-profit organization that provides a weeklong summer camp for children whose parents have cancer, raising over \$40000 for the organization and establishing a yearlong support system for the campers and their families

Hobbies

Running, Skiing, Snowboarding, Hiking, Traveling, Photography