

## Dean Wang, M.D.

Department of Orthopaedic Surgery, UCI Health  
101 The City Drive S., Pavilion III, Building 29A, Orange, CA 92868  
deanwangmd.com | uciortho.com | ochipcenter.com

### ACADEMIC APPOINTMENTS

---

**University of California Irvine School of Medicine**, Irvine, CA  
Associate Professor, Department of Orthopaedic Surgery 2022 – Present  
Associate Professor, Department of Biomedical Engineering 2022 – Present  
Assistant Professor, Department of Orthopaedic Surgery 2018 – 2022

### CLINICAL APPOINTMENTS

---

**UCI Health**, Orange, CA  
Vice Chair of Clinical Research, Department of Orthopaedic Surgery 2024 – Present  
Sports Medicine Fellowship Faculty, Department of Family Medicine 2020 – Present  
Faculty Attending Surgeon, Department of Orthopaedic Surgery 2018 – Present  
Chief, Division of Sports Medicine, Department of Orthopaedic Surgery 2018 – Present

**New York Presbyterian Weill Cornell Medical Center**, New York, NY  
Clinical Instructor, Department of Orthopaedic Surgery 2016 – 2018

### TEAM PHYSICIAN APPOINTMENTS

---

**Concordia University Irvine Athletics**, NCAA Division II, Irvine, CA  
Head Team Orthopaedic Physician 2023 – Present

**UCI Athletics**, NCAA Division I, Irvine, CA  
Head Team Orthopaedic Physician 2020 – Present  
Team Physician 2019 – Present

**New York Giants**, National Football League, East Rutherford, NJ  
Assistant Team Physician 2017 – 2018

**New York Red Bulls**, Major League Soccer, Harrison, NJ  
Assistant Team Physician, New York Red Bulls and New York Red Bulls II 2016 – 2018

#### Event Coverage

ISU Four Continents Figure Skating Championship, Anaheim, CA 2019  
ACC Men's Basketball Tournament, Brooklyn, NY 2017, 2018  
Iona University Men's and Women's Basketball, New Rochelle, NY 2017

### EDUCATION & POST-GRADUATE TRAINING

---

**Hospital for Special Surgery**, New York, NY 8/2016 – 7/2018  
Fellow in Sports Medicine and Shoulder Surgery

Dean Wang, M.D.

<b>University of California Los Angeles Medical Center</b> , Los Angeles, CA Resident in Orthopaedic Surgery	6/2011 – 6/2016
<b>National Institutes of Health</b> , Bethesda, MD HHMI-NIH Research Scholar under Rocky S. Tuan, Ph.D.	7/2008 – 6/2009
<b>Case Western Reserve University School of Medicine</b> , Cleveland, OH Doctor of Medicine, Cleveland Clinic Lerner College of Medicine	7/2006 – 5/2011
<b>Duke University</b> , Durham, NC Bachelor of Science, Major in Biomedical Engineering, Minor in Chemistry	8/2002 – 5/2006

## LICENSURE & BOARD CERTIFICATION

---

American Board of Orthopaedic Surgery Sports Medicine Subspecialty Examination	2021
American Board of Orthopaedic Surgery Part II Examination	2020
American Board of Orthopaedic Surgery Part I Examination	2016
Physician Licenses	
New York State Education Department #282915	2016
Medical Board of California #A124076	2012
California Fluoroscopy License #RHC 00201602	2015
USMLE Step 3	2012
Advanced Cardiac Life Support, American Heart Association	2011, 2015, 2017
Basic Life Support, American Heart Association	2010, 2015, 2017
USMLE Step 2	2010
USMLE Step 1	2008

## AWARDS & HONORS

---

Physician of Excellence, Orange County Medical Association	2024
WOA/OREF Young Investigator Award	2023
COA Resident Paper Award	2023
WOA Annual Meeting Poster Award, 1 <sup>st</sup> place	2022
ON/ICRS Education Grant	2022
Accelerated Promotion from Asst. Prof. Step IV to Assoc. Prof. Step II	2022
AOA Annual Meeting Top Poster	2021
Super Doctors Southern California Rising Stars	2021, 2022, 2023, 2024
AAOS/OREF/ORS Clinician Scholar Career Development Program (sponsored by ASES)	2021
Dean's Summer Research Scholarship Award, UCI SOM (Mentor)	2019, 2020, 2021, 2022
Lance Peters, MD, Memorial Biomechanics Award	2019
ICRS/Vericel – Lars Peterson Clinical Travelling Fellowship	2019
Principal Reviewer, American Journal of Sports Medicine	2019 – 2022
Arthroscopy Journal Basic Science Research Excellence Runner-up	2019
Charles S. Neer Award – Basic Science	2019
Russell F. Warren, M.D. Fellow Research Award, Hospital for Special Surgery	2018
AOSSM Annual Meeting Poster Award, 2 <sup>nd</sup> place	2018
ON/AOSSM Education Grant	2018

Dean Wang, M.D.

ON/AANA Education Grant	2018
ON/ICRS Education Scholarship	2018
Arthroscopy Journal Resident/Fellow Research Excellence Runner-up	2018
Administrative Fellow, HSS Sports Medicine and Shoulder Surgery Fellowship	2017 – 2018
AANA Resident Scholarship	2016
H & H Lee Resident Travel Grant, AOSSM Annual Meeting	2015
H & H Lee Resident Travel Grant, AAOS Annual Meeting	2015
Best Chief Paper, UCLA Academic Research Day	2014
American Orthopaedic Foot and Ankle Society (AOFAS) Resident Scholarship	2014
Howard Hughes Medical Institute–NIH Research Scholars (Cloister) Program	2008 – 2009
Cleveland Clinic Lerner College of Medicine Full Scholarship	2007 – 2011
<i>Cum laude</i> , Duke University	2006
Graduation with Distinction, Duke University	2006
Pratt Engineering Research Fellowship, Duke University	2005 – 2006
Dean’s List, Duke University	2002 – 2006

## SERVICE & SCHOLARSHIP

---

### Professional Society Memberships:

Orthopaedic Research Society (ORS)	2023 – Present
Intl. Society of Arthroscopy, Knee Surgery & Orthopaedic Sports Medicine (ISAKOS)	2022 – Present
International Society for Hip Arthroscopy (ISHA)	2022 – Present
American Orthopaedic Association (AOA) Emerging Leader	2022 – Present
American Board of Orthopaedic Surgery (ABOS) – Diplomat	2020 – Present
American Shoulder and Elbow Surgeons (ASES)	2019 – Present
Western Orthopaedic Association (WOA)	2018 – Present
International Cartilage Regeneration & Joint Preservation Society (ICRS)	2018 – Present
Arthroscopy Association of North America (AANA)	2016 – 2019
American Orthopaedic Society for Sports Medicine (AOSSM) – Active Member	2015 – Present
American Academy of Orthopaedic Surgeons (AAOS) – Fellow	2011 – Present

### Professional Service:

Nominating Committee, WOA	2024
Regulatory & Industry Liaison Committee, ICRS	2022 – 2025
OKU Evaluation Committee, AAOS	2022 – 2028
Team Physician and Athlete Advocacy Committee, AOSSM	2021 – 2025
Author, JBJS Knowledge+ Questions	2017 – 2019
Author, California Orthopaedic Association OKU-11 Study Flashcards	2014

### University Service:

Council on Teaching, Learning & Student Experience, UCI Academic Senate	2021 – 2023
Regenerative Medicine Workgroup, UCI Health	2021 – Present
Patient-Reported Outcomes Study Team, UCI Department of Orthopaedic Surgery	2020 – Present
Team Physician, UCI Department of Athletics	2019 – Present
Mentor, UCI ICTS Medical Student Research Program	2018 – Present
Residency Selection Committee, UCI Department of Orthopaedic Surgery	2018 – Present
Administrative Fellow, HSS Sports Medicine and Shoulder Surgery Fellowship	2017 – 2018
Arthroscopy Lab Manager, UCLA Department of Orthopaedic Surgery	2015 – 2016

Dean Wang, M.D.

Research Assistant, Duke University Clinical Transplantation Immunology Lab 2003 – 2006

**Manuscript Review:**

Reviewer, The Journal of Cartilage & Joint Preservation	2024 – Present
Reviewer, Journal of Hip Preservation Surgery	2022 – Present
Reviewer, JSES Reviews, Reports & Techniques	2021 – Present
Reviewer, Cartilage	2020 – Present
Reviewer, Journal of Knee Surgery	2020 – Present
Academic Editor, PLOS ONE	2019
Reviewer, Journal of Shoulder and Elbow Surgery (JSES)	2019 – Present
Reviewer, Journal of Bone and Joint Surgery (JBJS)	2018 – Present
Reviewer, American Journal of Sports Medicine (AJSM)	2017 – Present
Reviewer, Arthroscopy: The Journal of Arthroscopic and Related Surgery	2017 – Present

**Abstract Review:**

ISHA Annual Scientific Meeting	2023
ICRS World Congress	2023
ASES Annual Meeting	2022
WOA Annual Meeting	2020

**Grant Review:**

Patient-Centered Outcomes Research Research Initiative (PCORI)	2023
Clinical and Translational Sciences Awards (CTSA) Consortium, NCATS/NIH	2022

**Consultantships and Advisory Boards:**

Consultant, Cervos Medical	2023 – Present
Consultant, Overture Orthopaedics	2023 – Present
Consultant, BICMD	2021 – Present
Consultant, Vericel	2021 – Present
Consultant, Mitek Sports Medicine	2020 – Present
Consultant, Newclip Technics	2020 – Present
Consultant, Grand Rounds	2020 – Present
Consultant and Co-Founder, Cartilage Inc.	2019 – Present

**RESEARCH GRANT SUPPORT**

---

1. R41 AR081741 9/21/23 – 8/31/24  
NIH/NIAMS  
Principal Investigator  
*Chondrofluid™ for arthroscopic knee cartilage repair*  
\$252,127
2. R21 AR082596 7/1/23 – 6/30/25  
NIH/NIAMS  
Co-Principal Investigator (Co-P.I.s – Kyriacos Athanasiou, PhD and Jerry Hu, PhD)  
*Liquid cartilage for arthroscopy*  
\$409,301

Dean Wang, M.D.

3. NCT05211986 (Sponsor: Immunis, Inc.) 9/15/22 – 11/15/24  
UCI Alpha Stem Cell Research Center  
Principal Investigator  
*An open-label dose escalation study to assess the safety and tolerability of IMM01-STEM in participants with muscle atrophy related to knee osteoarthritis*  
\$564,342
4. Vericel Investigator Sponsored Trial Grant 7/6/21 – 7/5/23  
Principal Investigator  
*Return to work and sport after MACI treatment in the knee*  
\$29,992
5. NSF SBIR Phase I 2036583 2/15/21 – 1/31/23 (NCE)  
Consultant (P.I. – Wendy Brown, PhD)  
*Development of a biological adhesive, Chondrofluid™, for the fixation and integration of cartilage implants*  
\$256,000
6. R43 AR077461 9/3/20 – 8/31/22 (NCE)  
NIH/NIAMS  
Consultant (P.I. – Heenam Kwon, PhD)  
*Evaluation of Hyaleon's™ pre-clinical safety and efficacy for healing large cartilage defects in the knee*  
\$252,131
7. MTF Biologics Extramural Research Junior Investigator Grant 8/1/18 – 7/31/19  
Principal Investigator  
*Biomechanical, histological and ultrastructural analysis of commercially available osteochondral allografts*  
\$100,000
8. OREF Resident Clinician Scientist Training Grant 7/1/17 – 6/30/19 (NCE)  
Principal Investigator  
*Use of activated endothelial cells for the treatment of patellar tendinosis*  
\$20,000
9. OREF Resident Research Project Grant 7/1/14 – 6/30/15  
Principal Investigator  
*Preconditioning of hamstring tendon grafts for anterior cruciate ligament reconstruction*  
\$5,000

## **PUBLICATIONS: PEER REVIEWED**

---

1. **Wang D**, Jones MH, Khair MM, Miniaci A. Patient-reported outcome measures for the knee. *J Knee Surg.* 2010 Sep;23(3):137-51. PMID: 21329255

Dean Wang, M.D.

2. **Wang D**, Taboas JM, Tuan RS. PTHrP overexpression partially inhibits a mechanical strain-induced arthritic phenotype in chondrocytes. *Osteoarthritis Cartilage*. 2011 Feb;19(2):213-21. PMID: 21087676
3. **Wang D**, DeRubertis BG. Popliteal artery occlusion secondary to exostosis of the femur. *Perspect Vasc Surg Endovasc Ther*. 2012 Dec;24(4):217-20. PMID: 23793292
4. **Wang D**, Fritchie KJ, Nowacki AS, Rubin BP, Lietman SA. A single institution analysis of recurrence in myxoid liposarcoma. *J Solid Tumors*. 2013 Aug;3(4):44-52.
5. Rugg CM, **Wang D**, Sulzicki P, Hame SL. Effects of prior knee surgery on subsequent injury, imaging, and surgery in NCAA collegiate athletes. *Am J Sports Med*. 2014 Apr;42(4):959-64. PMID: 24519183
6. **Wang D**, Jones KJ, Petrigliano FA. Cartilage resurfacing using osteochondral allograft. *Oper Tech Orthop*. 2014 Dec;24(4):271-78.
7. **Wang D**, Berger NM, Cohen JR, Lord EL, Wang JC, Hame SL. Surgical treatment of posterior cruciate ligament insufficiency in the United States. *Orthopedics*. 2015 Apr;38(4):e281-86. PMID: 25901620
8. Boguszewski DV, Joshi NB, **Wang D**, Markolf KL, Petrigliano FA, McAllister DR. The effect of different preconditioning protocols on anterior knee laxity after ACL reconstruction with four commonly used grafts. *J Bone Joint Surg Am*. 2015 Jul;97(13):1059-1066. PMID: 26135072
9. Cheung EC, Boguszewski DV, Joshi NB, **Wang D**, McAllister DR. Anatomic factors that may predispose female athletes to anterior cruciate ligament injury. *Curr Sports Med Rep*. 2015 Sep-Oct;14(5):368-372. PMID: 26359837
10. **Wang D**, Sandlin MI, Cohen JR, Lord EL, Petrigliano FA, Soohoo NF. Operative versus nonoperative treatment of acute Achilles tendon rupture: an analysis of 12,570 patients in a large healthcare database. *Foot Ankle Surg*. 2015 Dec;21(4):250-3. PMID: 26564726
11. **Wang D**, Joshi NB, Petrigliano FA, Cohen JR, Lord EL, Wang JC, Jones KJ. Trends associated with distal biceps tendon repair in the United States, 2007 to 2011. *J Shoulder Elbow Surg*. 2016 Apr;25(4):676-80. PMID: 26853757
12. **Wang D**, Yamaguchi KT, Jones MH, Miniaci A. The KOOS and IKDC scales may be inadequate in evaluating patients with multiple ligament knee injuries: a systematic review. *J ISAKOS*. 2016 Apr;1(2):82-86.
13. **Wang D**, Rugg CM, Mayer E, Lai WC, Sulzicki P, Vail J, Hame SL. Precollegiate knee surgery predicts subsequent injury requiring surgery in NCAA athletes. *Am J Sports Med*. 2016 Aug;44(8):2023-9. PMID: 27022061
14. Jayakar R, Merz A, Plotkin B, **Wang D**, Seeger L, Hame SL. Magnetic resonance arthrography and the prevalence of acetabular labral tears in patients 50 years of age and older. *Skeletal Radiol*. 2016 Aug;45(8):1061-7. PMID: 27098353

Dean Wang, M.D.

15. Arshi A, **Wang D**, Jones KJ. Combined particulated juvenile cartilage allograft transplantation and MPFL reconstruction for symptomatic chondral defect in the setting of recurrent patellar instability. *Arthrosc Tech*. 2016 Oct;5(5):e1149-54. PMID: 28224070
16. **Wang D**, Jayakar RG, Leong NL, Leathers MP, Williams RJ, Jones KJ. Evaluation of the quality, accuracy, and readability of online patient resources for the management of articular cartilage defects. *Cartilage*. 2017 Apr;8(2):112-118. PMID: 28345406
17. **Wang D**, Bluth BE, Cohen JR, Ishmael CR, Wang JC, Petrigliano FA. Early complications of acromioclavicular joint reconstructions requiring reoperation. *Knee Surg Sports Traumatol Arthrosc*. 2017 Jul;25(7):2020-2024. PMID: 27311450
18. Lai WC, **Wang D**, Chen JB, Vail J, Rugg CM, Hame SL. Lower quarter Y-balance test scores and lower extremity injury in NCAA division I athletes. *Orthop J Sports Med*. 2017 Aug;5(8):2325967117723666. PMID: 28840153
19. **Wang D**, Rodeo SA. Platelet-rich plasma in orthopaedic surgery: a critical analysis review. *JBJS Rev*. 2017 Sep;5(9):e7. PMID: 28953136
20. **Wang D**, Degen RM, Camp CL, McGraw MH, Altchek DW, Dines JS. Trends in surgical practices for lateral epicondylitis among newly trained orthopaedic surgeons. *Orthop J Sports Med*. 2017 Sep;5(10):2325967117730570. PMID: 29051902
21. **Wang D**, Jones KJ, Eliasberg CD, Pais MD, Rodeo SA, Williams RJ III. Condyle-specific matching does not improve mid-term clinical outcomes after osteochondral allograft transplantation in the knee. *J Bone Joint Surg Am*. 2017 Oct;99(19):1614-1620. PMID: 28976425
22. **Wang D**, Camp CL, Werner BC, Dines JS, Altchek DW. Figure-of-eight reconstruction technique for chronic posterior sternoclavicular joint dislocation. *Arthrosc Tech*. 2017 Oct;6(5):e1749-e1753. PMID: 29399461
23. **Wang D**, Camp CL, Ranawat AS, Coleman SH, Kelly BT, Werner BC. The timing of hip arthroscopy after intra-articular hip injection affects postoperative infection risk. *Arthroscopy*. 2017 Nov;33(11):1988-1994.e1. PMID: 28800918
24. **Wang D**, Eliasberg CD, Wang T, Coxe FR, Pais MD, Williams RJ III. Similar outcomes after osteochondral allograft transplantation in anterior cruciate ligament-intact and -reconstructed knees: A comparative matched-group analysis with minimum 2-year follow-up. *Arthroscopy*. 2017 Dec;33(12):2198-2207. PMID: 28800919
25. Johnson CC, Johnson DJ, Garcia GH, **Wang D**, Pais MD, Degen RM, Burge AJ, Williams RJ III. Decellularized osteochondral allograft for treatment of knee cartilage lesions. *Arthroscopy*. 2017 Dec;33(12):2219-2227. PMID: 28967543
26. Ghodasra JH, **Wang D**, Jayakar RG, Jensen AR, Yamaguchi KT, Hegde VV, Jones KJ. The assessment of quality, accuracy, and readability of online educational resources for platelet rich plasma. *Arthroscopy*. 2018 Jan;34(1):272-278. PMID: 28784239

Dean Wang, M.D.

27. **Wang D**, Rebolledo BJ, Dare DM, Pais MD, Cohen MR, Jones KJ, Williams III RJ. Osteochondral allograft transplantation of the knee in patients with an elevated body mass index. *Cartilage*, 2018 Feb. In press. PMID: 29424234
28. Camp CL, Zajac JM, Pearson D, **Wang D**, Sinatro AS, Ranawat AS, Dines JS, Coleman SH. The impact of workload on the evolution of hip internal and external rotation in professional baseball players over the course of the season. *Orthop J Sports Med*, 2018 Feb;6(2):2325967117752105. PMID: 29435468
29. **Wang D**, Kalia V, Eliasberg CD, Wang T, Coxe FR, Pais MD, Rodeo SA, Williams RJ III. Osteochondral allograft transplantation of the knee in patients aged 40 years and older. *Am J Sports Med*. 2018 Mar;46(3):581-589. PMID: 29185781
30. Weiss LJ, **Wang D**, Hendel M, Buzzerio P, Rodeo SA. Management of rotator cuff pathology in the elite athlete. *Curr Rev Musculoskelet Med*. 2018 Mar;11(1):102-112. PMID: 29332181
31. Tan H, **Wang D**, Lebaschi AH, Hutchinson ID, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. *J Bone Joint Surg Am*, 2018 Mar;100(6):479-486. PMID: 29557864
32. Lin KM, **Wang D**, Dines JS. Injection therapies for rotator cuff disease. *Orthop Clin North Am*, 2018 Apr;49(2):231-239. PMID: 29499824
33. Amirtharaj MJ, **Wang D**, McGraw MH, Camp CL, Degen RM, Dines DM, Dines JS. Trends in the surgical management of acromioclavicular joint arthritis among board-eligible US orthopaedic surgeons. *Arthroscopy*, 2018 Jun;34(6):1799-1805. PMID: 29477607
34. **Wang D**, Graziano J, Williams III RJ, Jones KJ. Nonoperative treatment of PCL injuries: Goals of rehabilitation and the natural history of conservative care. *Curr Rev Musc Medicine*, 2018 Jun;11(2):290-297. PMID: 29721691
35. Camp CL, **Wang D**, Sinatro AS, D'Angelo J, Coleman SH, Dines HS, Fealy SA, Conte S. Getting hit by pitch in professional baseball: Analysis of injury patterns, risk factors, concussions, and days missed for batters. *Am J Sports Med*, 2018 Jul;46(8):1997-2003. PMID: 29768041
36. Balazs GC, **Wang D**, Burge AJ, Sinatro AL, Wong AC, Williams III RJ. Return to play among elite basketball players after osteochondral allograft transplantation of full-thickness cartilage lesions. *Orthop J Sports Med*, 2018 Jul;6(7):2325967118786941. PMID: 30109237
37. **Wang D**, Coxe FR, Balazs GC, Chang B, Jones KJ, Rodeo SA, Williams III RJ. Graft-recipient anteroposterior mismatch does not affect the mid-term failure rates of osteochondral allograft transplantation of the femoral condyle. *Am J Sports Med*, 2018 Aug;46(10):2441-2448. PMID: 29983091
38. **Wang D**, Tan H, Lebaschi AH, Nakagawa Y, Wada S, Donnelly P, Ying L, Deng XH, Rodeo SA. Kartogenin enhances collagen organization and mechanical strength of the repaired enthesis in a murine model of rotator cuff repair. *Arthroscopy*, 2018 Sep;34(9):2579-2587. PMID: 30037570



Dean Wang, M.D.

39. Lai WC, Erickson BJ, Mlynarek RA, **Wang D**. Chronic lateral epicondylitis: challenges and solutions. *Open Access J Sports Med*, 2018 Oct 30;9:243-251. PMID: 30464656
40. Wang T, **Wang D**, Burge A, Pais MD, Kushwaha B, Rodeo SA, Williams III RJ. Clinical and MRI outcomes of fresh osteochondral allograft transplantation after failed cartilage repair surgery in the knee. *J Bone Joint Surg Am*, 2018 Nov;100(22):1949-1959. PMID: 30480599
41. Lai WC, Arshi A, **Wang D**, Seeger LL, Motamedi K, Levine BD, Hame SL. Efficacy of intraarticular corticosteroid hip injections for osteoarthritis and subsequent surgery. *Skeletal Radiol*, 2018 Dec;47(12):1635-1640. PMID: 30155627
42. **Wang D**, Weiss LJ, Abrams M, Barnes RP, Warren RF, Rodeo SA, Taylor SA. Athletes with musculoskeletal injuries identified at the National Football League (NFL) scouting combine and prediction of outcomes in the NFL: A systematic review. *Orthop J Sports Med*, 2018 Dec;6(12):2325967118813083. PMID: 30560142
43. **Wang D**, Chang B, Coxe FR, Pais MD, Wickiewicz TL, Warren RF, Rodeo SA, Williams III RJ. Clinically meaningful improvement after treatment of cartilage defects of the knee with osteochondral grafts. *Am J Sports Med*, 2019 Jan;47(1):71-81. PMID: 30481044
44. **Wang D**, Chiaia T, Cavanaugh JT, Rodeo SA. Team approach: Return to play after anterior cruciate ligament reconstruction. *JBJs Rev*, 2019 Jan;7(1):e1. PMID: 30601201
45. McGraw MH, Vrla M, **Wang D**, Camp CL, Zajac JM, Pearson D, Sinatro AA, Dines JS, Coleman SH. Shoulder and elbow range of motion can be maintained in major league baseball pitchers over the course of the season, regardless of pitching workload. *Orthop J Sports Med*, 2019 Jan;7(2):2325967118825066. PMID: 30800690
46. Nakagawa Y, Lebaschi AH, Wada S, Green SJ, **Wang D**, Album ZM, Carballo CB, Deng XH, Rodeo SA. Duration of postoperative immobilization affects MMP activity at the healing graft-bone interface: Evaluation in a mouse ACL reconstruction model. *J Orthop Res*, 2019 Feb;37(2):325-334. PMID: 30431170
47. **Wang D**, Lin KM, Burge AJ, Balazs GC, Williams III RJ. Bone marrow concentrate does not improve osseous integration of osteochondral allografts for the treatment of chondral defects in the knee at 6 and 12 months: A comparative magnetic resonance imaging analysis. *Am J Sports Med*, 2019 Feb;47(2):339-346. PMID: 30543757
48. Camp CL, **Wang D**, Turner NS, Grawe BM, Kogan M, Kelly AM. Objective predictors of grit, self-control, and conscientiousness in orthopaedic surgery residency applicants. *J Am Acad Orthop Surg*, 2019 Mar;27(5):e227-e234. PMID: 30247313
49. Balazs GC, Greditzer IV HG, **Wang D**, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Ramp lesions of the medial meniscus in patients undergoing primary and revision ACL reconstruction: Prevalence and risk factors. *Orthop J Sports Med*, 2019 May;7(5):2325967119843509. PMID: 31205962

Dean Wang, M.D.

50. **Wang D**, Marom N, Coxe FR, Kalia V, Burge AJ, Jones KJ, Rodeo SA, Williams III RJ. Preoperative grades of osteoarthritis and meniscus volume correlate with clinical outcomes of osteochondral graft treatment of cartilage defects in the knee. *Cartilage*, 2021 Jul;12(3):344-353. PMID: 31161779
51. **Wang D**, Kent III RN, Amirtharj MJ, Hardy BM, Nawabi DH, Wickiewicz TL, Pearle AD, Imhauser CW. Tibiofemoral kinematics during compressive loading of the intact and anterior cruciate ligament-sectioned knee: Roles of tibial slope, medial eminence volume, and anterior laxity. *J Bone Joint Surg Am*, 2019 Jun;101(12):1085-1092. PMID: 31220025
52. Balazs GC, Dooley M, **Wang D**, O'Sullivan E, Gayle L, Kelly BT. Gluteus maximus transfer for irreparable hip abductor tendon tears: Technique and clinical outcomes. *Tech Orthop*, Jun 2019. In press.
53. Rugg CM, **Wang D**, Mayer EN, Sulzicki PL, Vail J, Hame SL. The impact of prior upper-extremity surgery on orthopaedic injury and surgery in collegiate athletes. *J Shoulder Elbow Surg*, 2019 Jul;28(7):1371-1377. PMID: 31230783
54. Marom N, **Wang D**, Patel S, Williams III RJ. Return to play after bipolar patellofemoral osteochondral allograft transplantation for a professional basketball player: A case report. *JBJS Case Connect*, 2019 Jul-Sep;9(3):e0291. PMID: 31365363
55. Kwon H, Brown WE, Lee CA, **Wang D**, Paschos N, Hu JC, Athanasiou KA. Surgical and tissue engineering strategies for articular cartilage and meniscus repair. *Nat Rev Rheumatol*, 2019 Sep;15(9):550-570. PMID: 31296933
56. Rauck R, **Wang D**, Tao M, Williams III RJ. Chondral delamination of fresh osteochondral allografts after implantation in the knee: A matched cohort analysis. *Cartilage*, 2019 Oct;10(4):402-407. PMID: 29792070
57. Balazs GC, **Wang D**, Burge AJ, Williams III RJ. Fluid imbibition at the bone-cartilage interface is associated with need for early chondroplasty following osteochondral allografting of the knee. *J Clin Orthop Trauma*, 2019 Oct;10(Suppl 1):S13-S19. PMID: 31700203
58. Markolf KL, **Wang D**, Joshi NB, Cheung E, Petrigliano FA, McAllister DR. Cyclic testing of tibialis tendon allografts for anterior cruciate ligament reconstruction using suture-post versus spiked washer tibial fixation. *Clin Biomech (Bristol, Avon)*. 2019 Dec;70:8-15. PMID: 31377634
59. Patel NA, Choi JH, **Wang D**. Tibial fixation techniques for soft-tissue grafts in anterior cruciate ligament reconstruction. *JBJS Rev*, 2019 Dec;7(12):e7. PMID: 31880625
60. Cancienne JM, Awowale JT, Camp CL, Degen RM, Shiu B, **Wang D**, Werner B. Therapeutic postoperative anticoagulation is a risk factor for wound complications, infection, and revision after shoulder arthroplasty. *J Shoulder Elbow Surg*, 2020 Jul;29(7):S67-S72. PMID: 32192881
61. **Wang D**, Nawabi DH, Krych AJ, Jones KJ, Nguyen J, Elbuluk AM, Farshad-Amacker NA, Potter HG, Williams III RJ. Synthetic biphasic scaffolds versus microfracture for articular cartilage defects of the knee – A retrospective comparative study. *Cartilage*. 2021 Dec;13(1\_suppl):1002S-1013S. PMID: 32046514

Dean Wang, M.D.

62. Balazs GC, Greditzer IV HG, **Wang D**, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Non-treatment of stable ramp lesions does not degrade clinical outcomes in the setting of primary ACL reconstruction. *Knee Surg Sports Traumatol Arthrosc.* 2020 Nov;28(11):3576-3586. PMID: 32358631
63. Balazs GC, Dooley M, **Wang D**, O'Sullivan E, Kelly BT. Clinical outcomes of open hip abductor tendon repair with minimum two-year follow-up. *Hip Int.* 2020 Oct. In press. PMID: 33043699
64. Lin KM, **Wang D**, Burge AJ, Warner T, Jones KJ, Williams III RJ. Magnetic resonance imaging and clinical outcomes of osteochondral allograft transplantation of the patella using femoral condylar allografts. *Orthop J Sports Med.* 2020 Oct 28;8(10):2325967120960088. PMID: 33195717
65. Lamplot JD, **Wang D**, Weiss LJ, Baum M, Zeidler K, Mack C, Barnes RP, Warren RF, Taylor SA, Rodeo SA. Lower extremity compartment syndrome in National Football League athletes. *Sports Health.* 2021 Mar;13(2):198-202. PMID: 33428552
66. Lai WC, Iglesias BC, Mark BJ, **Wang D**. Low-intensity pulsed ultrasound augments tendon, ligament, and bone-soft tissue healing in preclinical animal models: A systematic review. *Arthroscopy.* 2021 Jul;37(7):2318-2333.e3. PMID: 33621647
67. Parisien RL, Ehlers CB, Cusano A, Tornetta P, Li X, **Wang D**. The statistical fragility of platelet-rich plasma in rotator cuff surgery: A systematic review and meta-analysis. *Am J Sports Med.* 2021 Oct;49(12):3437-3442. PMID: 33646884
68. Oyadomari S, Brown WE, Kwon H, Otarola G, Link JM, Athanasiou KA, **Wang D**. In vitro effects of bupivacaine on the viability and mechanics of native and engineered cartilage grafts. *Am J Sports Med.* 2021 Apr;49(5):1305-1312. PMID: 33667144
69. **Wang D**, Cubberly M, Brown WE, Kwon H, Hu JC, Athanasiou KA. Diagnostic arthroscopy of the minipig stifle (knee) for translational large animal research. *Arthrosc Tech.* 2021 Feb;10(2):e297-301. PMID: 33680759
70. Nazaroff J, Oyadomari S, Brown N, **Wang D**. Reporting in clinical studies on platelet-rich plasma therapy among all medical specialties: A systematic review of level I and II studies. *PLoS One.* 2021 Apr;16(4):e0250007. PMID: 33891618
71. Bielajew BJ, Donahue RP, Espinosa G, Arzi B, **Wang D**, Hatcher D, Paschos N, Wong MEK, Hu JC, Athanasiou KA. Knee orthopaedics as a template for the temporomandibular joint: pathologies, products, and interventions. *Cell Rep Med.* 2021 May;2(5):100241. PMID: 34095872
72. Patel S, Amirhekmata A, Le R, Williams III RJ, **Wang D**. Osteochondral allograft transplantation in professional athletes: Rehabilitation and return to play. *Int J Sports Phys Ther.* 2021 Jun;16(3):941-958. PMID: 34123544
73. Bassi JS, Chan JP, Johnston T, **Wang D**. Return to work and sport after distal femoral osteotomy: A systematic review. *Sports Health.* 2022 Sep-Oct;14(5):681-686. PMID: 34486439
74. Nazaroff J, Mark B, Learned J, **Wang D**. Measurement of acetabular wall indices: Comparison between CT and plain radiography. *J Hip Preserv Surg.* 2021 Jul;8(1):51-57. PMID: 34567600

75. Ow ZGW, Cheong KC, Hai HH, Ng CH, **Wang D**, Krych AJ, Saris DBF, Wong KL, Lin HA. Securing transplanted meniscal allografts using bone plugs results in lower risk of graft failure and re-operations: A meta-analysis. *Am J Sports Med.* 2022 Dec;50(14):4008-4018. PMID: 34633225
76. **Wang D**, Gonzalez-Leon EA, Rodeo SA, Athanasiou KA. Clinical replacement strategies for meniscus tissue deficiency. *Cartilage.* 2021 Dec;13(1\_suppl):262S-270S. PMID: 34802295
77. Stepanyan H, Nazaroff J, Le N, Parker R, Tando T, Yoshioko H, **Wang D**. Measurement of medial tibial eminence dimensions for the clinical evaluation of ACL-injured knees: A comparison between CT and MRI. *J Knee Surg.* 2023 May;36(6):667-672. PMID: 34952550
78. Amirhekmat A, Stepanyan H, Callan K, Williams III RJ, **Wang D**. Arthroscopic patellar tendon debridement and distal pole osteoplasty for recalcitrant patellar tendinopathy. *Video J Sports Med.* 2022 Jan;2(1).
79. Ow ZGW, Cheang HLX, Koh JH, Koh JZE, Lim KL, **Wang D**, Minas T, Carey JL, Wong KL, Lin HA. Does the choice of acellular scaffold and augmentation with bone marrow aspirate concentrate affect short term outcomes in cartilage repair? A systematic review and meta-analysis. *Am J Sports Med.* 2023 May;51(6):1622-1633. PMID: 35225004
80. Fackler N, Karasavvidis T, Amirhekmat A, **Wang D**. Salvage fixation with a single nitinol compression staple for a lateralized fibular tunnel in posterolateral corner reconstruction of the knee. *Arthrosc Tech.* 2022 Mar;11(4):e675-e679. PMID: 35493055
81. Fackler N, Ehlers CB, Callan K, Smith E, Parisien RL, **Wang D**. The statistical fragility of single row versus double row anchoring for rotator cuff repair: A systematic review of comparative studies. *Orthop J Sports Med.* 2022 May;10(5):23259671221093391. PMID: 35571970
82. Lai WC, Bohlen H, Fackler NP, **Wang D**. Osteochondral allografts in knee surgery: narrative review of evidence to date. *Orthop Res Rev.* 2022 Aug;14:263-274. PMID: 35979427
83. Nordberg R, Otarola G, **Wang D**, Hu J, Athanasiou K. Navigating regulatory pathways for translation of biologic cartilage repair products. *Sci Transl Med.* 2022 Aug;14(659):eabp8163. PMID: 36001677
84. Fackler N, Karasavvidis T, Ehlers C, Callan K, Parisien R, **Wang D**. The statistical fragility of operative versus nonoperative management for Achilles tendon rupture: A systematic review of comparative studies. *Foot Ankle Int.* 2022 Oct;43(10):1331-1339. PMID 36004430
85. Fackler N, Chin G, Karasavvidis T, Bohlen H, Amirhekmat A, Smith E, **Wang D**. Outcomes of arthroscopic lysis of adhesions for the treatment of post-traumatic knee arthrofibrosis: A systematic review. *Orthop J Sports Med.* 2022 Sep;10(9):23259671221124911. PMID: 36186712
86. Oyadomari S, Kaplan J, Johnston T, **Wang D**. Trends and complications of distal biceps tendon repair among American Board of Orthopaedic Surgery Part II oral examination candidates. *J Shoulder Elbow Surg.* 2023 Feb;32(2):348-352. PMID: 36273792

Dean Wang, M.D.

87. Amirhekmat A, Brown WE, Athanasiou KA, **Wang D**. Mechanical evaluation of salvage fixation techniques for a lateralized fibular tunnel in posterolateral corner reconstruction of the knee. *Orthop J Sports Med*. 2022 Nov;10(11):23259671221131303. PMID: 36479464
88. Salinas EY, Otarola GA, Kwon H, **Wang D**, Hu JC, Athanasiou KA. Topographical characterization of the young, healthy human femoral medial condyle. *Cartilage*. 2023 Sept;14(3):338-350. PMID: 36537020
89. Ow ZGW, Lim KL, Sin SQ, Cheang HLX, **Wang D**, Lie DTT, Hui JHP, Wong KL. Similar short-term results between scaffold implanted mesenchymal stem cells versus acellular scaffolds with concentrated bone marrow aspirate augmentation for the repair of chondral defects of the knee: Evidence from a meta-analysis. *Journal of Cartilage & Joint Preservation*, 2023 Mar. In Press.
90. Amirhekmat A, Brown WE, Salinas EY, Hu JC, Athanasiou KA, **Wang D**. Mechanical evaluation of commercially available fibrin sealants for cartilage repair. *Cartilage*, 2023 Mar. In Press. PMID: 36974340
91. Callan KT, Otarola G, Brown WE, Athanasiou KA, **Wang D**. The longer-term effects of a single bupivacaine exposure on the mechanical properties of native cartilage explants. *Cartilage*, 2023 Mar. In Press. PMID: 36992533
92. Fackler NP, Yareli-Salinas E, Callan KT, Athanasiou KA, **Wang D**. *In vitro* effects of triamcinolone and methylprednisolone on the viability and mechanics of native articular cartilage. *Am J Sports Med*, 2023 May;51(9):2465-2471. PMID: 37183987
93. Lai WC, Mange TR, Karasavvidis T, Lee YP, **Wang D**. Low early complication rates after arthroscopic meniscus repair and meniscectomy. *Knee Surg Sports Traumatol Arthrosc*, 2023 Oct;31(10):4117-4123. PMID: 37449988
94. Bohlen H, Karasavvidis T, Wen D, Wong KL, **Wang D**. Early complication rates are equivalent between isolated cartilage restoration and concomitant cartilage restoration and osteotomy of the knee. *Cartilage*, 2023 Aug. In Press. PMID: 37592438
95. Chan JP, Vrla M, Thompson C, Hassan MM, Tornetta P, Li X, **Wang D**, Parisien RL. The statistical fragility of platelet-rich plasma in knee osteoarthritis: A systematic review of randomized clinical trials. *Orthop J Sports Med*, 2023 Aug;11(8):23259671231187894. PMID: 37655254
96. Fackler NP, Donahue RP, Bielajew BJ, Amirhekmat A, Hu JC, Athanasiou KA, **Wang D**. Characterization of the age-related differences in porcine acetabulum and femoral head articular cartilage. *Cartilage*, 2023 Nov. In Press. PMID: 38018451
97. Karasavvidis, T, Fackler NP, Callan KT, Lung BE, **Wang D**. Comparison of early complication rates after high tibial osteotomy versus unicompartmental knee arthroplasty for knee osteoarthritis. *Orthop J Sports Med*, 2024 Jan;12(1):23259671231219975. PMID: 38188617
98. Moslehyazdi M, Bielajew B, Schlechter JA, Hu JC, Athanasiou KA, **Wang D**. Detrimental effects of chlorhexidine on articular cartilage viability, matrix, and mechanics. *Am J Sports Med*, 2024 Mar;52(4):1068-1074. PMID: 38353029

Dean Wang, M.D.

99. Callan K, Smith E, Karasavvidis T, **Wang D**. Trends and complications of unicompartmental knee arthroplasty and periarticular knee osteotomy among ABOS Part II oral examination candidates. Accepted to Orthop J Sports Med, 2024.
100. Mian H, Only A, Singhal S, Megafu M, **Wang D**, Parisein RL, Hassan M. The fragility of statistical findings in meniscus repair literature: A systematic review of randomized controlled trials. Accepted to Iowa Orthop J, 2024.
101. Ow Z, **Wang D**, Zhang E, Bin Abd Razak, H, Wong S, Ho J, Wong F. Assessing acellular scaffold viability with T2RV imaging: Imaging variables and early clinical associations at 6 months following cartilage repair. Accepted to Journal of Cartilage & Joint Preservation, 2024.
102. Wen D, Bohlen H, **Wang D**. Posterior tibial slope measurements of the medial and lateral plateaus differ on MRI versus CT. Submitted.
103. Nordberg RC, Wen DH, **Wang D**, Hu JC, Athanasiou KA. Challenges and recent advances in engineering the osteochondral interface. Submitted.
104. Graziano J, Jones T, Essa M, Kocher A, Jones K, **Wang D**. Accelerated rehabilitation following matrix-associated autologous chondrocyte implantation (MACI) knee surgery. Submitted.
105. Mange TR, Chalmers CE, **Wang D**. Arthroscopy-assisted core decompression and bone grafting for avascular necrosis of the hip. Submitted.
106. Chalmers CE, Mange TR, **Wang D**. Anatomic distal biceps tendon repair with all-suture cortical buttons. Submitted.
107. Singh G, Alexeev SO, Haugh P, Halvorson R, **Wang D**, Pandya N, Feeley B. The statistical fragility of comparative studies on autografts for pediatric ACL reconstruction. Submitted.

## **PUBLICATIONS: INVITED COMMENTARIES**

---

1. Balazs GC, Greditzer IV HG, **Wang D**, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Author Response: Clinical outcomes and reoperation rates of stable and unstable ramp lesions in the setting of ACL rupture. *Knee Surg Sports Traumatol Arthrosc*, 2020 Dec;28(12):4034-4036. PMID: 33037898
2. Lin KM, **Wang D**, Burge AJ, Warner T, Jones KJ, Williams III RJ. Osteochondral allograft transplant of the patella using femoral condylar allografts: Response. *Orthop J Sports Med*, 2021 Apr;9(4):23259671211000096. PMID: 34019037
3. **Wang D**. Perspective: Hyaluronic acid injection for chronic tennis elbow may relieve pain, improve function. *Orthopedics Today*. 2021 Nov.
4. **Wang D**. Fatty infiltration and atrophy in rotator cuff muscle degeneration: What more should we look for? Commentary on an article by Lindsey Ruderman, BA, et al.: "Histologic differences in human rotator cuff muscle base on tear characteristics." *J Bone Joint Surg Am*. 2022 Jul;104(13):e58. PMID: 35793801

Dean Wang, M.D.

5. **Wang D**, Johnston TR. The enigma of posttraumatic osteoarthritis. Commentary on an article by Alexander W. Aleem, MD, MSc, et al: "Gene expression in glenoid articular cartilage varies across acute instability, chronic instability, and osteoarthritis." J Bone Joint Surg Am. 2023 Jul;105(13)e34. PMID: 37405381

## ONLINE MEDIA

---

1. **Wang D**, Marx R. Concussion. JBJS Clinical Summary. 2017 Nov.
2. **Wang D**, Marx R. Labral Tears of the Hip. JBJS Clinical Summary. 2017 Nov.
3. **Wang D**, Marx R. Femoroacetabular Impingement. JBJS Clinical Summary. 2017 Nov.
4. **Wang D**. Posterolateral Corner Reconstruction using the Mitek Sports Medicine Knee Portfolio. DePuy Synthes. 2022 Apr. <https://www.youtube.com/watch?v=9EqWE3wqsUU>
5. **Wang D**, Gallagher B. The AT-Team Physician Relationship – The Foundation of Sports Medicine Care. AT Corner Podcast, Episode 128, 2023 Mar. <https://www.youtube.com/watch?v=HOJEi49wudY>
6. **Wang D**, Yu A. "Statistical Fragility of Randomized Controlled Trials Evaluating Platelet-Rich Plasma Use for Knee Osteoarthritis: A Systematic Review" with author Dr. Dean Wang, MD. The OJSM Hot Corner, 2023 Nov.

## BOOK CHAPTERS

---

1. **Wang D**, Soohoo NF. Posterior Tibial Tendon Dysfunction. In: Jung HG, ed. Foot and Ankle Disorders: An Illustrated Reference. 1<sup>st</sup> ed. Berlin, Heidelberg: Springer International Publishing AG; 2016. p355-370.
2. **Wang D**, Cheung EC, Joshi NB, McAllister DR. Inlay Posterior Cruciate Ligament Reconstruction. In: Johnson DL, ed. Master Techniques in Orthopaedic Surgery: Reconstructive Knee Surgery. 4<sup>th</sup> ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2017.
3. Tao MA, **Wang D**, Williams RJ III. Surgical Implications for Return to Play. In: Musahl V, Karlsson J, Krutsch W, Mendelbaum BR, Espregueira-Mendes J, d'Hooghe, P, eds. Return to Play in Football: An Evidence Based Approach. 1<sup>st</sup> ed. Berlin, Heidelberg: Springer International Publishing AG; 2018. p825-832.
4. Wang T, Dare DM, **Wang D**, Williams RJ III. Fresh Osteochondral Allograft Transplant for Osteochondritis Dissecans of the Femoral Condyle. In: Azar F, ed. Illustrated Tips and Tricks in Sports Medicine Surgery. 1<sup>st</sup> ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2018.
5. **Wang D**, Shubin-Stein BE, Strickland SM. Patellofemoral Issues. In: Farr J, Gomoll AH, eds. Cartilage Restoration. 2<sup>nd</sup> ed. New York, NY. Springer International Publishing AG; 2018. p103-117.

Dean Wang, M.D.

6. **Wang D**, Rodeo SA. Biological Approaches to Treat or to Augment Medial Sided Injuries of the Knee. In: Chahla J, LaPrade RF, ed. *Medial Collateral Ligament: From Anatomy to Surgical Techniques and Outcomes*. Hauppauge, NY. Nova Science Publishers; 2018. p117-138.
7. **Wang D**, Strickland SM, Shubin-Stein BE. Patellofemoral Arthritis. In: Shubin Stein BE, Strickland SM, ed. *Patellofemoral Pain and Instability: Etiology, Diagnosis, and Management*. New York, NY. Springer International Publishing AG; 2019. p65-83.
8. **Wang D**, Eliasberg CD, Rodeo SA. Physiology and Pathophysiology of Musculoskeletal Tissues. In: Miller MD, Thompson SR, eds. *DeLee & Drez's Orthopaedic Sports Medicine: Principles and Practice*. 5<sup>th</sup> ed. Philadelphia, PA: Elsevier Saunders; 2020. p2-15.
9. **Wang D**, Degen RM, Rodeo SA. Current Applications of Orthobiologic Agents. In: Azar FM, ed. *OKU: Sports Medicine 6*. 6<sup>th</sup> ed. Wolters Kluwer; 2021. p537-552.
10. Mange T, Lai W, **Wang D**. Cell Biology and Pathology of Cartilage and Meniscus. In: Nochehdehi AR, Nemavhola F, Thomas S, Maria H, ed. *Cartilage Tissue and Knee Joint Biomechanics*. 1<sup>st</sup> ed. Philadelphia, PA: Elsevier Saunders; 2023.

## **RESEARCH ABSTRACTS & PRESENTATIONS – INTERNATIONAL / NATIONAL**

---

1. Schutte RJ, **Wang D**, Reichert WM. Microdialysis sampling as a tool for collecting cytokines from stimulated monocytes. BMES Annual Fall Meeting, Baltimore, MD, Sept 2005.
2. Schutte RJ, **Wang D**, Reichert WM. Inflammatory cytokine release from human monocytes interrogating materials. BMES Annual Fall Meeting, Chicago, IL, Oct 2006.
3. **Wang D**, Taboas JM, Tuan RS. Gene therapy using PTHrP protects chondrocytes from cyclic tensile strain-induced injury. Gordon Research Conference – Cartilage Biology and Pathology, Les Diablerets, Switzerland, Jun 2009.
4. **Wang D**, Taboas JM, Tuan RS. PTHrP gene therapy protects chondrocytes from cyclic tensile strain-induced injury. ORS Annual Meeting, New Orleans, LA, Mar 2010.
5. Fritchie KJ, **Wang D**, Goldblum JR, Lietman SA, Bodo J, Billings SD, Rubin BP. Myxoid Liposarcoma: A clinicopathologic study of 27 cases of primary untreated disease with particular focus on so-called transitional and round cell areas. United States and Canadian Academy of Pathology 100<sup>th</sup> Annual Meeting, San Antonio, TX, Feb 2011.
6. **Wang D**, Taboas JM, Tuan RS. Application of an NF- $\kappa$ B promoter for therapeutic gene expression in a mechanical strain model. Gordon Research Conference – Cartilage Biology and Pathology, Ventura, CA, Mar 2011.
7. **Wang D**, Fritchie KJ, Nowacki AS, Rubin BP, Lietman SA. Effect of radiation therapy and perioperative blood transfusion on recurrence in myxoid liposarcoma patients. Annual Meeting of the Musculoskeletal Tumor Society, Tampa, FL, Sept 2012.



Dean Wang, M.D.

8. **Wang D**, Sandlin MI, Cohen JR, Lord EL, Petrigliano FA, Soohoo NF. Operative versus nonoperative treatment of acute Achilles tendon rupture: A database analysis of 12,570 patients. AAOS Annual Meeting, Las Vegas, NV, Mar 2015.
9. Boguszewski DV, Joshi NB, **Wang D**, Markolf KL, Petrigliano FA, McAllister DR. Does preconditioning an ACL graft prior to tibial fixation reduce anterior knee laxity during cyclic anteriorposterior testing? AAOS Annual Meeting, Las Vegas, NV, Mar 2015.
10. Joshi NB, **Wang D**, Jones KJ, Petrigliano FA. Surgical treatment of distal bicep tendon rupture: A database analysis of 1,443 patients. AAOS Annual Meeting, Las Vegas, NV, Mar 2015.
11. Boguszewski DV, Joshi NB, **Wang D**, Markolf KL, Petrigliano FA, McAllister DR. The effect of different preconditioning protocols on anterior knee laxity after ACL reconstruction with four commonly used grafts. ORS Annual Meeting, Las Vegas, NV, Mar 2015.
12. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Biomechanical comparison of screw and spiked washer versus suture-post for tibial sided fixation in ACL reconstruction. ORS Annual Meeting, Las Vegas, NV, Mar 2015.
13. Jayakar R, Merz A, Plotkin B, **Wang D**, Seeger LL, Hame SL. Magnetic resonance arthrography and the prevalence of acetabular labral tears in patients 50 years of age and older: Is it really indicated? AOSSM Annual Meeting, Orlando, FL, Jul 2015.
14. Rugg CM, **Wang D**, Mayer E, Berger N, Vail J, Sulzicki P, Hame SL. The impact of prior upper extremity surgery on orthopaedic injury and surgery in collegiate athletes. AOSSM Annual Meeting, Orlando, FL, Jul 2015.
15. **Wang D**, Rugg CM, Mayer E, Sulzicki P, Vail J, Hame SL. Predictive value of precollegiate surgery on further injury requiring surgery in NCAA athletes. AOSSM Annual Meeting, Orlando, FL, Jul 2015.
16. Jones KJ, **Wang D**, Rebolledo BJ, Krych AJ, Nawabi DH, McAllister DR, Williams RJ. Biologic scaffolds for management of articular cartilage lesions: Emerging indications, techniques, and outcomes. AAOS Annual Meeting, Orlando, FL, Mar 2016.
17. Vellios EE, **Wang D**, Ishmael C, Cohen JR, Wang JC, Soohoo NF. Trends associated with surgical fixation of Lisfranc injuries in the United States. Orthopaedic Research Society Annual Meeting, Orlando, FL, Mar 2016.
18. Chen JB, **Wang D**, Lai WC, Vail J, Rugg CM, Hame SL. Predictive value of the Functional Movement Screen for sports-related injury in NCAA athletes. AAOS Annual Meeting, San Diego, CA, Mar 2017.
19. **Wang D**, Chen JB, Lai WC, Vail J, Rugg CM, Hame SL. Predictive value of the Functional Movement Screen for sports-related injury in NCAA division I athletes. AOSSM Specialty Day, San Diego, CA, Mar 2017.

Dean Wang, M.D.

20. Nakagawa Y, Lebaschi AH, Album ZM, Cong GT, Camp CL, **Wang D**, Carballo CB, Deng XH, Rodeo SA. Decreased matrix metalloproteinase 2, 3, 9, and 13 activity with external fixation in a murine model of anterior cruciate ligament reconstruction. ILS&T-XVI, San Diego, CA, Mar 2017.
21. **Wang D**, Cong GT, Lebaschi A, Carballo CB, Nakagawa Y, Album ZM, Deng XH, Rodeo SA. Microstructural analysis of a dual-injury patellar tendinosis mouse model. ILS&T-XVI, San Diego, CA, Mar 2017.
22. **Wang D**, Degen RM, Camp CL, McGraw MH, Altchek DW, Dines DJ. Trends in surgical treatment of lateral epicondylitis among recently trained orthopaedic surgeons. AANA Annual Meeting, Denver, CO, May 2017.
23. Hame SL, Rugg CM, **Wang D**, Mayer E, Vail J, Sulzicki P, Berger N. The effect of prior upper extremity surgery on orthopaedic injury and surgery in elite collegiate athletes. ISAKOS Biennial Congress, Shanghai, China, Jun 2017.
24. **Wang D**, Tan H, Lebaschi AH, Hutchinson ID, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. ASES Annual Meeting, New Orleans, LA, Oct 2017.
25. Wada S, Lebaschi A, Nakagawa Y, Carballo C, **Wang D**, Album Z, Nemirov D, Croen B, Green S, Selvaggio E, Ying L, Deng XH, Rodeo S. Muscle-derived activated endothelial cells as a new cell source to enhance tendon-to-bone healing: In vivo evaluations in a murine rotator cuff repair model. 6<sup>th</sup> Annual Musculoskeletal Repair and Regeneration Symposium, Bronx, NY, Oct 2017.
26. **Wang D**, Eliasberg CD, Wang T, Coxe FR, Pais MD, Williams III RJ. Similar mid-term outcomes after osteochondral allograft transplantation in anterior cruciate ligament-intact and –reconstructed knees: A comparative matched-group analysis. AAOS Annual Meeting, New Orleans, LA, Mar 2018.
27. **Wang D**, Tan H, Lebaschi AH, Donnelly P, Ying L, Deng XH, Rodeo SA. Kartogenin enhances collagen organization and mechanical strength in a murine model of rotator cuff repair. AAOS Annual Meeting, New Orleans, LA, Mar 2018.
28. **Wang D**, Tan H, Lebaschi AH, Hutchinson ID, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. AAOS Annual Meeting, New Orleans, LA, Mar 2018.
29. **Wang D**, Tan H, Lebaschi AH, Hutchinson ID, Ying L, Deng XH, Rodeo SA, Warren RF. Evaluation of bone formation with micro-computed tomography after biceps tenodesis in a rabbit model: Comparison of bone tunnel and cortical surface fixation techniques. AAOS Annual Meeting, New Orleans, LA, Mar 2018.
30. Kent RN, **Wang D**, Amirtharaj MJ, Hardy BM, Wickiewicz TL, Pearle AD, Imhauser CW. Tibial bony morphology and tibiofemoral laxity predict knee mechanics during compression. ORS Annual Meeting, New Orleans, LA, Mar 2018.
31. Wada S, Lebaschi A, Nakagawa Y, Carballo C, **Wang D**, Album Z, Croen B, Green S, Nemirov D, Selvaggio E, Ying L, Deng XH, Rodeo S. Muscle-derived activated endothelial cells as a new cell

source to enhance tendon-to-bone healing: In vivo biomechanical, histological and CT evaluations in a murine rotator cuff repair model. ORS Annual Meeting, New Orleans, LA, Mar 2018.

32. Carballo CB, Nakagawa Y, Lebaschi A, Wada S, Green J, **Wang D**, Hall A, Uppstrom T, Album Z, Otero M, Brito J, Rodeo S. Mechanical loading combined with bone-marrow mesenchymal stromal cells induces ectopic bone formation in a medial meniscus destabilization model: Insights into osteophyte formation. ORS Annual Meeting, New Orleans, LA, Mar 2018.
33. Lebaschi A, Camp CL, **Wang D**, Nakagawa Y, Wada S, Carballo C, Album Z, Deng XH, Rodeo S. The role of Wnt and indian hedgehog signaling in healing at the graft-bone interface in anterior cruciate ligament reconstruction: Immunohistochemical evaluation in a murine model. ORS Annual Meeting, New Orleans, LA, Mar 2018.
34. **Wang D**, Cong GT, Nemirov D, Album Z, Carballo C, Nakagawa Y, Lebaschi AH, Wada S, Ying L, Deng XH, Rodeo SA. Histomorphometric and immunohistochemical evaluation of collagenase injection and treadmill running murine models of patellar tendinopathy. ORS Annual Meeting, New Orleans, LA, Mar 2018.
35. Wang T, **Wang D**, Burge A, Pais M, Kushwaka B, Rodeo S, Williams R. Clinical and MRI outcomes of osteochondral allograft transplantation after failed cartilage repair surgery in the knee. ICRS World Congress, Macau, China, Apr 2018.
36. **Wang D**, Coxe F, Balazs G, Chang B, Jones K, Rodeo S, Williams R. Anteroposterior length mismatch does not affect outcomes of femoral condyle osteochondral allograft transplantation. ICRS World Congress, Macau, China, Apr 2018.
37. **Wang D**, Coxe F, Kalia V, Jones K, Rodeo S, Williams R. Preoperative radiographic grades of OA predict clinical outcomes after treatment with osteochondral grafts in the knee. ICRS World Congress, Macau, China, Apr 2018.
38. **Wang D**, Rebolledo B, Dare D, Pais M, Cohn M, Jones K, Williams R. Osteochondral allograft transplantation of the knee in patients with an elevated body mass index. ICRS World Congress, Macau, China, Apr 2018.
39. **Wang D**, Chang B, Coxe F, Pais M, Wickiewicz T, Warren R, Rodeo S, Williams R. Preoperative outcome scores are predictive of achieving a MCID after treatment with osteochondral grafts in the knee. ICRS World Congress, Macau, China, Apr 2018.
40. **Wang D**, Lin K, Burge A, Williams R. Bone marrow concentrate does not improve osseous integration of osteochondral allograft transplantation in the knee. ICRS World Congress, Macau, China, Apr 2018.
41. **Wang D**, Coxe F, Kalia V, Jones K, Rodeo S, Williams R. Preoperative radiographic grades of osteoarthritis predict clinical outcomes after treatment with osteochondral grafts in the knee. AANA Annual Meeting, Chicago, IL, Apr 2018.
42. Carballo CB, Nakagawa Y, Lebaschi A, Wada S, Green J, **Wang D**, Hall A, Uppstrom T, Album Z, Otero M, Brito J, Rodeo S. Mechanical loading combined with bone-marrow mesenchymal stromal

Dean Wang, M.D.

cells induces ectopic bone formation in a medial meniscus destabilization model. OARSI World Congress, Liverpool, United Kingdom, Apr 2018.

43. Camp CL, **Wang D**, Turner NS, Grawe BM, Kogan M, Kelly AM. Objective predictors of grit, self-control, and conscientiousness in orthopaedic surgery residency applicants. AOA CORD Conference, Boston, MA, Jun 2018.
44. Coxe F, **Wang D**, Balazs G, Chang B, Jones K, Rodeo S, Williams R. Anteroposterior length mismatch does not affect outcomes of femoral condyle osteochondral allograft transplantation. AOSSM Annual Meeting, San Diego, CA, Jul 2018. **2<sup>nd</sup> Place Poster Award**
45. **Wang D**, Chang B, Coxe F, Pais M, Wickiewicz T, Warren R, Rodeo S, Williams R. Preoperative outcome scores are predictive of achieving a minimal clinically important difference after treatment with of focal cartilage defects of the knee with osteochondral grafts. AOSSM Annual Meeting, San Diego, CA, Jul 2018.
46. **Wang D**, Lin K, Pais MD, Burge A, Williams RJ. Bone marrow concentrate does not improve osseous integration of osteochondral allograft transplantation in the knee. AOSSM Annual Meeting, San Diego, CA, Jul 2018.
47. Wada S, Lebaschi A, Nakagawa Y, Carballo C, **Wang D**, Nemirov D, Album Z, Ying L, Deng XH, Rodeo SA. Muscle-derived activated endothelial cells as a new cell source to enhance tendon-to-bone healing: In vivo study in a murine rotator cuff repair model. ASES Annual Meeting, Chicago, IL, Oct 2018.
48. Wada S, Lebaschi A, Nakagawa Y, Carballo C, **Wang D**, Nemirov D, Album Z, Croen B, Chen T, Ying L, Deng XH, Mendias C, Rodeo SA. Muscle-derived activated endothelial cells improve tendon-to-bone healing in a murine model of rotator cuff repair: Comprehensive gene expression analysis using RNA sequencing. ORS Annual Meeting, Austin, TX, Feb 2019.
49. Cancienne J, **Wang D**, Camp C, Degen R, Werner B. Therapeutic postoperative anticoagulation is a risk factor for wound complications, infection, and revision after shoulder arthroplasty. AAOS Annual Meeting, Las Vegas, NV, Mar 2019.
50. Lin K, **Wang D**, Coxe F, Pais M, Burge A, Williams R. Magnetic resonance imaging and clinical outcomes of osteochondral allograft transplantation of the patella using femoral hemicondyle allografts. AAOS Annual Meeting, Las Vegas, NV, Mar 2019.
51. Coxe F, **Wang D**, Ode G, Elbuluk A, Burge A, Jones K, Williams R. Elliptical, stacked, and single osteochondral allograft transplantation for large knee chondral defects: One-year MRI outcomes. ICRS World Congress, Vancouver, Canada, Oct 2019.
52. Jones K, Coxe F, **Wang D**, Williams R. Osteochondral allograft–host interface mismatch does not affect reoperation rates when using less restricting graft matching criteria. ICRS World Congress, Vancouver, Canada, Oct 2019.
53. Haunschild E, **Wang D**, Fabricant P, Jones K. The public perception of microfracture surgery: A cohort study comparing the general public and elite athletes. ICRS World Congress, Vancouver, Canada, Oct 2019.

Dean Wang, M.D.

54. Lin K, **Wang D**, Burge A, Coxe F, Pais M, Williams R. Patellar osteochondral allograft transplantation using femoral hemicondyle allografts: Magnetic resonance and clinical outcomes. ICRS World Congress, Vancouver, Canada, Oct 2019.
55. **Wang D**, Culley K, Wach A, Shields A, Chen T, Nguyen J, Nemirov D, Rodeo S, Maher S, Williams R. Interfacial shear mechanical properties of commercially available osteochondral allografts. ICRS World Congress, Vancouver, Canada, Oct 2019.
56. Brown W, Kwon H, **Wang D**, Hu J, Athanasiou K, Athanasiou KA. Innovative manufacturing processes to generate biomimetic cartilage. MTEC Annual Meeting, Houston, TX, Mar 2020.
57. Ode G, Marom N, **Wang D**, Coxe F, Williams R. Particulate juvenile articular cartilage vs osteochondral allograft for patellar cartilage defects: A matched cohort analysis. AOSSM Annual Meeting (Virtual), Jul 2020.
58. Coxe F, **Wang D**, Ode G, Elbuluk A, Burge A, Jones K, Williams R. One-year MRI outcomes of osteochondral allograft transplantation for large knee chondral defects: Comparison of Elliptical, stacked, and single allografts. AOSSM Annual Meeting (Virtual), Jul 2020.
59. Nazaroff J, Mark B, Learned J, **Wang D**. Comparison between CT and plain radiography measurement of acetabular wall indices. ISHA Virtual Education Programme 2020/2021.
60. Parisien RL, Ehlers CB, Cusano A, Tornetta P, Li X, **Wang D**. The statistical fragility of platelet-rich plasma in rotator cuff surgery: A systematic review and meta-analysis. AOA Annual Meeting, Albuquerque, NM, June 2021. **Top Poster Award**
61. Oyadomari S, Brown WE, Kwon H, Otarola G, Link JM, Athanasiou KA, **Wang D**. In vitro effects of bupivacaine on the viability and mechanics of native and engineered cartilage grafts. AAOS Annual Meeting, San Diego, CA, Aug 2021.
62. Vellios EE, **Wang D**, Lynch C, Chen T, Wach A, Rodeo S, Maher S, Williams RJ. Biomechanical variability of osteochondral allograft dowels. AAOS Annual Meeting, San Diego, CA, Aug 2021.
63. Amirhekmat A, Brown W, Athanasiou KA, **Wang D**. Mechanical evaluation of commercially available fibrin sealant adhesives for cartilage repair. ISAKOS Congress, Nov 2021.
64. Ow ZGW, Cheong KC, Hai HH, Ng CH, **Wang D**, Krych AJ, Saris DBF, Wong KL, Lin HA. Securing transplanted meniscal allografts using bone plugs results in lower risk of graft failure. ISAKOS Congress, Nov 2021.
65. Amirhekmat A, Brown W, Athanasiou KA, **Wang D**. Mechanical evaluation of commercially available fibrin sealant adhesives for cartilage repair. Orthopaedic Summit, Las Vegas, NV, Dec 2021.
66. Lynch C, **Wang D**, Vellios EE, Wach A, Nguyen J, Pannellini T, Maher S, Chen T, Williams RJ. Biomechanical and histological variability of human osteochondral allograft dowels. ORS Annual Meeting, Tampa, FL, Feb 2022.

Dean Wang, M.D.

67. Fackler N, Yareli Salinas E, Callan K, Athanasiou K, **Wang D**. In vitro effects of methylprednisolone and triamcinolone on the viability and mechanics of native and engineered cartilage grafts. ICRS World Congress, Berlin, Germany, Apr 2022.
68. Callan K, Otarola G, Brown W, Athanasiou K, **Wang D**. The mechanical properties of native cartilage explants three weeks after bupivacaine exposure. ICRS World Congress, Berlin, Germany, Apr 2022.
69. Brown W, Amirhekmat A, Hu J, Athanasiou K, **Wang D**. Method of fibrin sealant application does not affect cartilage graft adhesion. ICRS World Congress, Berlin, Germany, Apr 2022.
70. Karasavvidis, T, Lung B, Callan K, **Wang D**. Early complication rates between high tibial osteotomy and unicompartmental knee arthroplasty for treatment of knee osteoarthritis: Comparative analysis in a large national database. 20<sup>th</sup> ESSKA Congress, Paris, France, Apr 2022.
71. Fackler NP, Donahue RP, Bielajew BJ, Amirhekmat A, Hu JC, Athanasiou KA, **Wang D**. Characterization of the age-related differences in porcine acetabulum and femoral head articular cartilage. ISHA Annual Scientific Meeting, Glasgow, UK, Oct 2022.
72. Moslehyazdi M, Bielajew B, Schlechter J, Athanasiou K, **Wang D**. Detrimental effects of chlorhexidine on articular cartilage viability, matrix, and mechanics. POSNA Annual Meeting, Nashville, TN, Apr 2023. **Award-nominated Paper**
73. Wen D, Bohlen H, **Wang D**. Reliability of posterior tibial slope measurement on magnetic resonance imaging versus computed tomography. ISAKOS Congress. Boston, MA, Jun 2023.
74. Moslehyazdi M, Bielajew B, Schlechter J, Athanasiou K, **Wang D**. Detrimental effects of chlorhexidine on articular cartilage viability, matrix, and mechanics. AOSSM Annual Meeting, Washington, DC, Jul 2023.
75. Wen D, Bohlen H, **Wang D**. Reliability of posterior tibial slope measurement on magnetic resonance imaging versus computed tomography. AOSSM Annual Meeting, Washington, DC, Jul 2023.
76. Fackler N, Yareli Salinas E, Callan K, Athanasiou K, **Wang D**. In vitro effects of triamcinolone and methylprednisolone on the viability and mechanics of native articular cartilage. AOSSM Annual Meeting, Washington, DC, Jul 2023.
77. Bohlen H, Karasavvidis T, Wen D, Wong KL, **Wang D**. Early complication rates are equivalent between isolated cartilage restoration and concomitant cartilage restoration and osteotomy of the knee. ICRS World Congress, Sitges-Barcelona, Spain, Sep 2023.
78. Bohlen H, Gallagher B, Fader R, Tomasian A, **Wang D**. Geographic characterization of intra-articular pathologies in pre-collapse avascular necrosis of the hip. ICRS World Congress, Sitges-Barcelona, Spain, Sep 2023.
79. Ow ZGW, **Wang D**, Wong SBS, Wong KLF. Utilization of T2 relaxation-value imaging for acellular scaffold graft viability at 6 months following cartilage repair. ICRS World Congress, Sitges-Barcelona, Spain, Sep 2023.

Dean Wang, M.D.

80. Bohlen H, Gallagher B, Fader R, Tomasian A, **Wang D**. Geographic characterization of intra-articular pathologies in pre-collapse avascular necrosis of the hip. ISHA Annual Scientific Meeting, Cape Town, South Africa, Oct 2023.
81. Moslehyazdi M, Bielajew B, Hu J, Athanasiou K, Johnston T, **Wang D**. The toxicity of chlorhexidine and povidone-iodine to rotator cuff tendon. Orthopaedic Research Society Annual Meeting, Long Beach, CA, Feb 2024.
82. Smith E, Callan K, **Wang D**. Underrepresentation of orthopaedic surgeon reviewers on NIH-NIAMS study sections. Orthopaedic Research Society Annual Meeting, Long Beach, CA, Feb 2024.
83. Moslehyazdi M, Bielajew B, Hu J, Athanasiou K, Johnston T, **Wang D**. Toxicity of chlorhexidine and povidone-iodine to rotator cuff tendon. AOSSM Annual Meeting, Denver, CO, Jul 2024.

## **RESEARCH ABSTRACTS & PRESENTATIONS – REGIONAL / LOCAL**

---

1. **Wang D**, Midura S, Midura RJ. Bone sialoprotein is a ligand for apatite nucleation in osteoblast cultures. Cleveland Clinic Lerner College of Medicine Research Day, Cleveland, OH, Sept 2006.
2. **Wang D**, Jones MH, Miniaci A. Development of a discriminative patient-reported knee injury outcome measure. Cleveland Clinic Lerner College of Medicine Research Day, Cleveland, OH, Sept 2007.
3. **Wang, D**, Taboas, JM, Tuan RS. Gene therapy using PTHrP protects chondrocytes from cyclic tensile strain-induced injury. HHMI Meeting of Medical Fellows, Research Scholars, and Physician-Scientist Early Career Awardees, Chevy Chase, MD, May 2009.
4. **Wang D**, Taboas, JM, Tuan RS. PTHrP overexpression partially inhibits a mechanical strain-induced arthritic phenotype in chondrocytes. Cleveland Clinic Lerner College of Medicine Research Day, Cleveland, OH, Mar 2011.
5. Rugg CM, **Wang D**, Sulzicki P, Hame SL. Effects of prior knee surgery on participation, injury, and intervention in NCAA collegiate athletes. WOA Annual Meeting, Lake Tahoe, CA, Jul 2013.
6. Joshi NB, **Wang D**, Boguszewski DV, Petrigliano FA, Markolf KL, McAllister DR. Evaluation of two soft tissue fixation methods for anterior cruciate ligament reconstruction. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2014.
7. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Preconditioning of tendon grafts for anterior cruciate ligament reconstruction. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2014.
8. Berger N, **Wang D**, Rugg CM, Mayer E, Sulzicki P, Hame SL. Effects of prior surgery on Division I NCAA athletes' careers, future injuries, and functional testing. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, May 2014.
9. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Preconditioning of tendon grafts for anterior cruciate ligament reconstruction. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, May 2014.

Dean Wang, M.D.

10. Jayakar R, Merz A, Plotkin B, **Wang D**, Seeger L, Hame SL. Magnetic resonance arthrography and the prevalence of acetabular labral tears in patients 50 years of age and older: Is it really indicated? 2015 Western Student Medical Research Forum, Carmel, CA, Jan 2015.
11. **Wang D**, Sandlin MI, Cohen JR, Lord EL, Petrigliano FA, Soohoo NF. Operative versus nonoperative treatment of acute Achilles tendon rupture: A database analysis of 12,570 patients. Longmire Surgical Society Scientific Day, Los Angeles, CA, Mar 2015.
12. **Wang D**, Rugg CM, Mayer E, Sulzicki P, Vail J, Hame SL. Predictive value of precollegiate surgery on further injury requiring surgery in NCAA athletes. UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, Jun 2015.
13. Rugg CM, **Wang D**, Mayer E, Berger N, Vail J, Sulzicki P, Hame SL. Prior upper extremity surgery impacts injury rates in collegiate athletes. WOA Annual Meeting, Coeur d'Alene, ID, Jul 2015.
14. **Wang D**, Rugg CM, Mayer E, Sulzicki P, Vail J, Hame SL. Predictors of orthopaedic surgery in NCAA athletes. WOA Annual Meeting, Coeur d'Alene, ID, Jul 2015.
15. **Wang D**, Boguszewski DV, Joshi NB, Markolf KL, Petrigliano FA, McAllister DR. Does preconditioning an ACL graft prior to fixation reduce anterior laxity during cyclic anteroposterior testing? UCLA Department of Orthopaedic Surgery Academic Research Day, Los Angeles, CA, June 2016.
16. Ghodasra JH, **Wang D**, Jayakar RG, Jensen AR, Yamaguchi KT, Jones KJ. Platelet-rich plasma in orthopaedic surgery: The assessment of quality, accuracy, and readability of online patient resources. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
17. Chen JB, **Wang D**, Lai W, Vail J, Rugg CM, Hame SL. Predictive value of the functional movement screen for injury in collegiate athletes. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
18. Lai W, **Wang D**, Levine B, Hame SL. Efficacy of intra-articular hip injections and subsequent surgery. WOA Annual Meeting, Indian Wells, CA, Sept 2016.
19. **Wang D**, Tan H, Lebaschi A, Nakagawa Y, Hutchinson I, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. Annual West Point Sports Medicine Fellows Conference, West Point, NY, June 2017.
20. **Wang D**, Tan H, Lebaschi A, Nakagawa Y, Hutchinson I, Ying L, Deng XH, Rodeo SA, Warren RF. Comparison of bone tunnel and cortical surface tendon-to-bone healing in a rabbit biceps tenodesis model. HSS Clinical Fellow Research Presentations, New York, NY, June 2017.
21. Vellios EE, **Wang D**, Yamaguchi KT, Ishmael C, Cohen JR, Wang JC, Soohoo NF. Trends associated with surgical fixation of Lisfranc injuries in the United States. WOA Annual Meeting, Kauai, HI, Aug 2017.
22. Lai WC, **Wang D**, Chen JB, Vail J, Rugg CM, Hame SL. Lower quarter Y-balance test scores and lower extremity injury in NCAA division I athletes. WOA Annual Meeting, Kauai, HI, Aug 2017.



Dean Wang, M.D.

23. **Wang D**, Jones KJ, Eliasberg CD, Pais MD, Rodeo SA, Williams III RJ. Condyle-specific matching does not improve mid-term clinical outcomes after osteochondral allograft transplantation in the knee. EOA Annual Meeting, Miami Beach, FL, Oct 2017.
24. **Wang D**, Kent R, Amirtharaj M, Hardy B, Wickiewicz T, Pearle A, Imhauser C. Tibial bony morphology and anterior laxity predict knee kinematics during axial loading. Annual West Point Sports Medicine Fellows Conference, West Point, NY, June 2018.
25. **Wang D**, Tan H, Lebaschi AH, Nakagawa Y, Wada S, Donnelly P, Ying L, Deng XH, Rodeo SA. Kartogenin enhances collagen organization and mechanical strength of the repaired enthesis in a murine model of rotator cuff repair. HSS Clinical Fellow Research Presentations, New York, NY, June 2018.
26. Cancienne J, **Wang D**, Camp C, Degen R, Werner B. Therapeutic postoperative anticoagulation is a risk factor for wound complications, infection, and revision after shoulder arthroplasty. SOA Annual Meeting, Amelia Island, FL, July 2019.
27. **Wang D**, Balazs GC, Greditzer IV HG, Marom N, Potter HG, Rodeo SA, Marx RG, Williams III RJ. Ramp lesions of the medial meniscus in the setting of ACL rupture: Reoperation rates and clinical outcomes. WOA Annual Meeting, Monterey, CA, Aug 2019.
28. **Wang D**, Culley K, Wach A, Shields A, Chen T, Nguyen J, Rodeo S, Maher S, Williams III RJ. Interfacial shear mechanical properties of commercially available osteochondral allografts. WOA Annual Meeting, Monterey, CA, Aug 2019. **Young Investigator Award Nominee**
29. Oyadomari S, Brown W, Link J, Otarola G, Kwon H, Athanasiou K, **Wang D**. In vitro toxicity of bupivacaine on self-assembled tissue-engineered cartilage. WOA Annual Meeting (Virtual), Aug 2020. **Young Investigator Award Nominee**
30. Nazaroff J, Mark B, Learned J, **Wang D**. Measurement of acetabular wall indices: A comparison between CT and plain radiograph. WOA Annual Meeting (Virtual), Aug 2020. **Young Investigator Award Nominee**
31. Stepanyan H, Nazaroff J, Le N, Parker R, Tando T, Yoshioko H, **Wang D**. Measurement of medial tibial eminence dimensions for the clinical evaluation of ACL-injured knees: A comparison between CT and MRI. WOA Annual Meeting (Virtual), Aug 2021.
32. Lai WC, Iglesias BC, Mark BJ, **Wang D**. Low-intensity pulsed ultrasound for tendon, ligament, and bone-soft tissue healing. WOA Annual Meeting (Virtual), Aug 2021.
33. Amirhekmat A, Brown WE, Athanasiou KA, **Wang D**. Mechanical evaluation of salvage techniques for lateral fibular tunnel breach in posterolateral corner reconstruction. WOA Annual Meeting (Virtual), Aug 2021.
34. Fackler N, Yareli Salinas E, Callan K, Athanasiou K, **Wang D**. The effects of methylprednisolone and triamcinolone on the viability and mechanics of native articular cartilage. WOA Annual Meeting, Maui, HI, Aug 2022. **1<sup>st</sup> Place Poster Award**

Dean Wang, M.D.

35. Chan JP, Parisien RL, Vrla M, Thompson C, Hassan MM, Tornetta P, Li X, **Wang D**. The statistical fragility of platelet-rich plasma in knee osteoarthritis: A systematic review of randomized clinical trials. WOA Annual Meeting, Maui, HI, Aug 2022.
36. Callan K, Otarola G, Brown W, Athanasiou K, **Wang D**. The long-term effects of bupivacaine on the mechanical properties of articular cartilage explants. WOA Annual Meeting, Maui, HI, Aug 2022.
37. Lai WC, Mange TR, Karasavvidis T, Lee YP, **Wang D**. Early complication rates after arthroscopic meniscus repair versus meniscectomy. COA Annual Meeting, Monterey, CA, May 2023. **Resident Paper Award Winner**
38. Moslehyazdi M, Bielajew B, Schlechter J, Athanasiou K, **Wang D**. Detrimental effects of chlorhexidine on articular cartilage viability, matrix, and mechanics. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023. **Young Investigator Award Winner**
39. Bohlen H, Wen D, **Wang D**. Reliability of posterior tibial slope measurement on magnetic resonance imaging versus computed tomography. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
40. Callan K, Smith E, Karasavvidis T, **Wang D**. Unicompartmental knee arthroplasty and periarticular knee osteotomy among ABOS Part II oral examination candidates. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
41. Bohlen H, Karasavvidis T, Wen D, **Wang D**. Early complication rates after isolated cartilage repair versus concomitant cartilage repair + osteotomy of the knee. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
42. Lai WC, Mange TR, Karasavvidis T, Lee YP, **Wang D**. Early complication rates after arthroscopic meniscus repair versus meniscectomy. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.

## INVITED LECTURES

---

1. Arthroscopic Bankart Repair: Tips and Tricks. WOA Annual Meeting, Huntington Beach, CA, Aug 2024.
2. Regenerative Medicine Advances and Therapeutics in Osteoarthritis and Musculoskeletal Diseases. UCI Alpha Clinic Clinical Trial Investigator Training Program (ACCTITP), Irvine, CA, Apr 2024.
3. Translational Collaborations Toward Cartilage Regeneration. UCI School of Medicine and UCI School of Engineering Joint Faculty Research Retreat, Irvine, CA, Mar 2024.
4. Chondrofluid<sup>®</sup>, an Injectable, Biologic Treatment for Arthroscopic Cartilage Repair. Ortho Innovation Competition, WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
5. Hip and Knee Joint Preservation Surgery: Recent Advances and Return to Sport. UCI Orthopaedic Surgery Annual Symposium: A Review for Surgeons and Non-Surgeons, Newport Beach, CA, Jun 2023.

Dean Wang, M.D.

6. Osteotomy Considerations, Vericel Hot Topics in Cartilage Repair Education. Los Angeles, CA, Mar 2023.
7. Device Innovations: Patient-specific Instrumentation for Knee Osteotomy. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.
8. Scaffold-free, Self-assembled Neocartilage for Cartilage Repair. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.
9. Cartilage Repair and Joint Preservation – Where Are We Now? UCI Health Advancement, Irvine, CA, Nov 2022.
10. Challenges in the Multiligament Knee. Sports Medicine and Joint Preservation Symposium, UCI Department of Orthopaedic Surgery, Newport Beach, CA, Jun 2022.
11. Young Adults with Neglected / Quasi Treated Pediatric Sports Hip Conditions Presenting to the Adult Sports Medicine Provider. American Osteopathic Academy of Orthopedics Annual Meeting, Carlsbad, CA, Apr 2022.
12. Rehabilitation after Knee Cartilage Repair – How Fast Can We Go? California Orthopaedic Association Annual Meeting, Indian Wells, CA, Apr 2022.
13. Knee Osteotomy: Computational Modeling in Sports Medicine. HSS Annual Alumni Association Meeting (Virtual), Oct 2021.
14. The Basic Science of MACI and other Cartilage Repair Strategies. HOAG Grand Rounds, Irvine, CA, Apr 2021.
15. Knee Pathology and Treatment Algorithm. Newclip Knee Joint Preservation: The Evolution of Knee Osteotomy (Virtual), Apr 2021.
16. Knee Arthroscopy Peer-to-Peer Meeting. Mitek/Johnson & Johnson (Virtual), Oct 2020.
17. Knee Joint Preservation. Newclip (Virtual), June 2020.
18. Shoulder Arthroscopy Peer-to-Peer Meeting. Mitek/Johnson & Johnson, San Diego, CA, Feb 2020.
19. Sports Medicine and Arthroscopic Surgery, Advanced Lecture Series, ATC Sports Medicine Interns, Irvine, CA, Jan 2020.
20. Cartilage Transplant, Result are Fantastic. HSS Annual Alumni Association Meeting, New York, NY, Oct 2019.
21. Resident Seminar: Helping Find Your Practice. HSS Annual Alumni Association Meeting, New York, NY, Oct 2019.
22. Marrow Stimulation is Dead. ICRS World Congress, Vancouver, CA, Oct 2019.
23. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. Midwest Orthopaedics at Rush, Chicago, IL, Oct 2019.

Dean Wang, M.D.

24. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. University of Pennsylvania Center for Cartilage Repair, Philadelphia, PA, Sept 2019.
25. Self-Assembled, Scaffold-Free, Allogeneic Neocartilage for Articular Cartilage Repair. Mayo Clinic Grand Rounds, Rochester, MN, Sept 2019.
26. Knee Cartilage Restoration. UCI Department of Orthopaedic Surgery Annual Symposium, Huntington Beach, CA, May 2019.
27. Advances in Orthopaedic Surgery & Sports Medicine. UCI BME 1 – Introduction to Biomedical Engineering, Irvine, CA, Fall and Winter Quarters, 2018 – 2021
28. Sports Medicine Surgery. UCI Ambulatory Perioperative Education Day, Irvine, CA, Oct 2018.
29. The 5 Most Common Questions That Patients Ask Me. Chinese American Professional Association, Oct 2018.

## **COURSE / SESSION MODERATOR**

---

1. Hip Preservation: Cells, Scopes, and Osteotomies. ICRS World Congress, Sitges-Barcelona, Spain, Sep 2023.
2. Let's not do that again! Lessons learned from Failures in Joint Preservation. ICRS World Congress, Sitges-Barcelona, Spain, Sep 2023.
3. What's New in Sports Medicine of the Knee. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
4. Rapid Fire Session – Sports Medicine. WOA Annual Meeting, Coeur d'Alene, ID, Aug 2023.
5. Arthroscopic Surgery and Sports I. Singapore Orthopaedic Association Annual Scientific Meeting, Singapore, Malaysia, Dec 2022.
6. Co-Chair, Sports Medicine and Joint Preservation Symposium. UCI Department of Orthopaedic Surgery, Newport Beach, CA, Jun 2022.
7. Sports Medicine Symposium. WOA Virtual Annual Meeting, Aug 2021.
8. Rapid Fire Session – Sports Medicine. WOA Annual Meeting, Monterey, CA, Aug 2019.

## **COURSE FACULTY**

---

1. Southern California Fellows Knee & Shoulder Course. Santa Ana, CA, Apr 2024.
2. SCOI/Newclip Knee Osteotomy Lab. Van Nuys, CA, Oct 2023.
3. Complex Knee Pathologies Symposium. Mitek/Johnson & Johnson, Austin, TX, May 2023.

Dean Wang, M.D.

4. Southern California Fellows Knee & Shoulder Course. Santa Ana, CA, Mar 2023.
5. Knee Osteotomies & PSI Training Course. Newclip, Austin, TX, Jun 2022.
6. Treating Complex Knee Pathologies Symposium. Mitek/Johnson & Johnson, Chicago, IL, Apr 2022.
7. Knee Evaluation with MRI Correlation. 12<sup>th</sup> Annual HSS Sports Medicine Symposium, New York, NY, Mar 2018.
8. Knee Evaluation with MRI Correlation. 11<sup>th</sup> Annual HSS Sports Medicine Symposium, New York, NY, Apr 2017.

## IN THE PRESS

---

1. Featured guest, Orthopedics Show. *SiriusXM Doctor Radio*, Feb 2024.
2. “Innovative research may yield a simpler way to treat knee osteoarthritis” *UCI Health Live Well Magazine*, Apr 2023.
3. “A New Hope for Knee Osteoarthritis Sufferers – Dr. Dean Wang Leads Clinical Trial Testing STEM” *Immunis Inc.*, Feb 2023. <https://www.youtube.com/watch?v=XeElGyx3010>
4. “UCI open clinical trial of stem cell-derived therapy for knee arthritis” *UCI Health News*, Nov 2022. <https://www.ucihealth.org/news/2022/11/uci-opens-first-stem-cell-clinical-trial-to-treat-knee-arthritis>
5. “Bicyclist hospitalized for 33 days bonds with the driver who hit him” *The Orange County Register*, Jan 2020. <https://www.ocregister.com/2020/01/13/an-injured-bicyclist-bonds-with-the-driver-who-hit-him/>
6. “Clinically Meaningful Improvement After Treatment of Cartilage Defects of the Knee with Osteochondral Grafts” *AJSM Author Interview Videos*, Jan 2019. <https://journals.sagepub.com/page/ajs/suppl/video-author-interviews>
7. “Fellowship-trained surgeons are more likely to perform arthroscopic vs open distal clavicle excision” *Orthopedics Today*, Apr 2018.
8. “Infection risk after hip arthroscopy affected by timing of intra-articular hip injection” *Orthopedics Today*, Dec 2017.
9. “Fellowship-trained hand surgeons more likely to treat lateral epicondylitis with an open procedure” *Orthopedics Today*, May 2017.
10. “Precollegiate knee surgery associated with subsequent injury in college” *Orthopedics Today*, Oct 2016.
11. “Pre-Collegiate Surgery = Future Surgery?” *Orthopaedics This Week*, July 2015. <http://ryortho.com/2015/07/three-sports-med-news-items-new-guidelines-for-spine-injured-athletes-new-study-data-on-athlete-surgery-risk-and-more>

## TEACHING & DOCTORAL COMMITTEES

---

### Primary Care Sports Medicine Fellow Mentorship:

Irie Padua, MD	UCI, Class of 2024
Rehan Talibi, DO	UCI, Class of 2023
Meghan Zomorodi, DO	UCI, Class of 2022
Ellexis Khan, MD	UCI, Class of 2021

### Orthopaedic Surgery Resident Mentorship:

Eric Smith, MD	UCI, Class of 2025
Hunter Bohlen, MD	UCI, Class of 2025
Justin Chan, MD	UCI, Class of 2025
Tyler Mange, MD	UCI, Class of 2024
Wilson Lai, MD	UCI, Class of 2024
<i>COA Resident Paper Award</i>	
Garwin Chin, MD	UCI, Class of 2023
Hayk Stepanyan, MD	UCI, Class of 2022
Bryan Mark, MD	UCI, Class of 2022
Nilay Patel, MD	UCI, Class of 2021
Michael Vrla, MD	UCI, Class of 2021

### Doctoral Dissertation Committee:

Deborah Wen, MD-PhD (Biomedical Engineering) – <i>Supervisor</i>	UCI, Ongoing
Ryan Donahue, PhD (Biomedical Engineering)	UCI, Class of 2022

### Qualifying Committee:

Benjamin Bielajew, PhD (Biomedical Engineering)	UCI, Class of 2022
---	--------------------

### Clinical Observership:

Soong Joon Lee, MD	Dept of Orthopaedic Surgery, SMG-SNU Boramae Medical Center Seoul, Korea
--------------------	---

### Research Fellow Mentorship:

Theofilos Karasavvidis, MD	Aristotle University of Thessaloniki (Greece), Class of 2020
----------------------------	--

### Undergraduate, Graduate, and Medical Student Mentorship:

Deborah Wen	Medical Student	UCI, Class of 2028
Maziar Moslehyazdi	Medical Student	UCI, Class of 2025
<i>Dean's Summer Research Scholarship Award Recipient</i>		
<i>WOA Young Investigator Award</i>		
Nate Fackler	Medical Student	Georgetown, Class of 2022
<i>WOA Annual Meeting Poster Award, 1<sup>st</sup> Place</i>		
Clara Riggle	Medical Student	UCI, Class of 2024
Kylie Callan	Medical Student	UCI, Class of 2024
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Arya Amirhekmat	Medical Student	UCI, Class of 2022
Jaspal Bassi	Medical Student	UCI, Class of 2023

Dean Wang, M.D.

<i>Dean's Summer Research Scholarship Award Recipient</i>		
Robert Parker	Medical Student	UCSF, Class of 2022
Sarah Oyadomari	Medical Student	UCI, Class of 2022
Jaron Nazaroff	Medical Student	UCI, Class of 2022
<i>Dean's Summer Research Scholarship Award Recipient</i>		
Francesca Coxe	Medical Student	Cornell, Class of 2020
<i>AOSSM Annual Meeting Poster Award, 2<sup>nd</sup> Place</i>		

## **COURSES ATTENDED**

---

AAOS/OREF/ORS Clinician Scholar Career Development Program, Rosemont, IL	2021
ASES Mentorship Program (Mentor: Brian Feeley, UCSF)	2019
Ossur Medical Congress 2019, London, UK	2019
Arthrex West Coast Orthopedic Technology & Innovation Forum, La Jolla, CA	2019
Stryker Advanced Hip Arthroscopy Meeting, Las Vegas, NV	2019
Stryker Advanced Hip Arthroscopy Meeting, Las Vegas, NV	2018
Arthrex Sports Medicine Fellowship Forum, Naples, FL	2018
ORS/OREF Grant Writing Course, New Orleans, LA	2018
Stryker Fellows Hip Arthroscopy Course, Las Vegas, NV	2017
DJO Advances in Shoulder Arthroplasty, Las Vegas, NV	2016
Smith & Nephew Contemporary Solutions in Joint Surgery, Newport Beach, CA	2016
DePuy Synthes Fellows Arthroscopy Forum West, Henderson, NV	2016
DePuy Synthes Fundamentals of Shoulder Arthroscopy, Phoenix, AZ	2015
AO Advanced Principles of Fracture Management, Bellevue, WA	2015
ICJR 3 <sup>rd</sup> Annual Shoulder Course, Las Vegas, NV	2014
ICJR Orthopaedic Resident Training Initiative West, Los Angeles, CA	2014
AO Basic Principles of Fracture Management, Sun Valley, ID	2013