

Jason Louis Dragoo, MD

University of Colorado School of Medicine
Steadman Hawkins Clinic Denver
175 Inverness Drive West
Englewood, CO 80112
j.dragoo@cuanschutz.edu
303-694-3333

ACADEMIC HISTORY

Colleges and universities attended, degrees received, dates

1988-1992	Cal Poly State University BS, Biological Sciences/Sports Medicine <i>Summa Cum Laude</i>
1994-1998	University of Arizona, College of Medicine Doctor of Medicine USMLE Step 1 (6/96) 243-98 th percentile

Post-doctoral and Residency Training

1998-2004	University of California, Los Angeles Department of Orthopaedic Surgery Orthopaedic Surgery Residency
2000-2001	University of California, Los Angeles Department of Orthopaedic Surgery Basic Science Fellowship
2004-2005	Steadman-Hawkins Sports Medicine Foundation Vail, Colorado Sports Medicine Fellowship

Scholarships and Honors during Educational Years

1989-1992	President's List, Cal Poly
1992	Academic Excellence Award, Cal Poly
1992	Outstanding Biological Sciences Student, Cal Poly
1996	McGraw-Hill Award-Top student in the basic sciences University of Arizona College of Medicine

1996	Junior Alpha Omega Alpha Honor Society University of Arizona College of Medicine
1998	Bernard Revsin Scholarship Award for Academic Excellence University of Arizona College of Medicine
1998	University of Arizona Foundation Top Medical Student at Graduation University of Arizona College of Medicine
2002	Aventis Orthopaedic Resident Scholarship UCLA Department of Orthopaedics
2001	American College of Surgeons "Best and Brightest: Current Research in Surgery. Award-Winning Studies by California Surgeons and Residents" First Prize-Best Overall Manuscript Scientific Meeting, San Diego Chapter
2001	American Orthopaedic Association Zimmer Resident Research Award Annual AOA Meeting Palm Beach, Florida
2002	California Orthopaedic Association Orthopaedic Hospital Resident Award Annual Meeting, Palm Springs, California
2002	American Orthopaedic Association Zimmer Resident Research Award Annual AOA Meeting Victoria, British Columbia
2002	Best Basic Science Manuscript Award Smith and Nephew National Resident Research Awards Residents Conference Memphis, Tennessee
2004	Edgar Dawson Memorial Award Most Outstanding Orthopaedic Surgery Resident- Peer Selected

Board Certification

Board Certified American Board of Orthopaedic Surgery 2007

Subspecialty Certification Orthopaedic Sports Medicine, 2007
American Board of Orthopaedic Surgery

Research Grants

2003	Shriners Hospital for Children Educational Grant Investigation of treatments for osteochondral defects in children using stem cells (PI)
2004	Arthroscopy Association of North America Research Grant Award, \$25,000 (PI)
2005	InScope Innovative Scientific Centers of Orthopaedic Excellence, Orthopaedic Research Grant, \$30,000 (PI)
2006	Omeros Corporation Clinical Grant to study post-operative pain control after ACL reconstruction, \$142,000 (PI)
2010	Partnership for clean competition, World Anti-Doping Association Grant- \$36,000 (PI)
2010	Ossur of the Americas Osteoarthritis Grant- \$120,000 (PI)
2012	Sanofi-Stanford BioSTAR Program Grant- \$150,000 (Co-PI) Rapid and Durable Integration of Cartilage Implants Using Photochemical Bonding
2012	NIH R21-AR06387601A1- \$500,000 (Co-PI) Rapid Integration of Articular Cartilage Implants Using Photochemical Bonding
2012	Ossur Grant- \$171,158 (PI) The Effect of Offloader Bracing on Microfracture Results
2012	NIH R01-AR052784-\$4,000,000 (Investigator) Enhanced Clinical Diagnosis of Early Osteoarthritis
2013	NIH R01-AR063643- \$2,885,979 (Investigator) Quantitative 3D Diffusion and Relaxometry using MRI of the Knee
2015	NIH R21-AR066302- \$434,199 (Investigator)

Tracking Mesenchymal Stem Cells with MR Imaging: Clinical Translation

2015	NIH R13-AR067045-01A1- ~\$20,000 (Co-PI) Biologic Treatments for Orthopaedic Injuries
2016	AOSSM Sandy Kirkley Research Grant Award \$20,000 (PI) Adipose Derived Stem Cell Randomized Clinical Trial
2018	DOD PR171647- GRANT12511894 \$ 638,791 (Co-PI) Novel Strategies to Combat Post-traumatic Osteoarthritis (PTOA)
2018	Zimmer Biomet \$703,943 (PI) Randomized Controlled Trial of meniscectomy with or without Subchondroplasty
2023	On Foundation \$25,000CHF (PI) Senescent Signatures in Non-expanded and Expanded Bone Marrow Therapies
2024	Orthoregeneration Network Foundation (Co-PI) \$25,000 Senescent Signatures in Non-expanded and Expanded Bone Marrow Therapies
2024	Organogenesis (I) \$407,590.08 A Phase 3 Prospective, Multicenter, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate the Efficacy of Amniotic Suspension Allograft (ASA) in Patients with Osteoarthritis of the Knee
2025	Organogenesis (PI) \$63,547.80 Evaluation of Tendinopathic and Normal Tendon Cells when Exposed to Mechanical Stretching in the Presence of Orthobiologic Treatment
2025	AANA/SOMOS/AOSSM MAST Research Grant (PI) \$150,000 A Multi-Center Biologics Association Registry and Biorepository of Platelet-Rich Plasma for the Treatment of Symptomatic Knee Osteoarthritis Among Civilian and Military Population

EMPLOYMENT HISTORY

2005-2012	Assistant Professor Stanford University Department of Orthopaedic Surgery Division of Sports Medicine Palo Alto, CA
2012-2019	Associate Professor Stanford University Department of Orthopaedic Surgery Division of Sports Medicine Palo Alto, CA
2019-current	Professor Vice Chair of Academic Affairs Endowed Chair of Regenerative Medicine Department of Orthopaedic Surgery University of Colorado
2024-current	Laboratory Director University of Colorado - Medicine Steadman Hawkins Clinic Denver CLIA #: 06D2309860 Effective date: 08/2024

PUBLIC AND PROFESSIONAL SERVICE

1990-1992	Athletic Trainer Cal Poly Athletic Department
1993	Football Coach McClintock High School Tempe, AZ
1994-1996	Headstart Physical Exam and Wellness Program Phoenix, AZ
1994-1997	Founder Arizona Sports Medicine Community Education Program Phoenix, AZ

1994-1997	High School Physical Exam Program Phoenix, AZ
1995	American College of Physicians Summer Internal Medicine Externship Program
2004	Clinical Advisory Panel Sanofi-Synthelabo LLC Evaluation of efficacy of Factor Xa Inhibitors on Orthopaedic Surgery
2004-Present	Physician US Ski Team
2004	Sideline Physician Denver Broncos Training Camp
2004	Team Physician Battle Mountain High School Eagle-Vail, CO
2004	Team Physician Colorado Rockies Training Camp
2005	Head Orthopaedic Surgeon Tucson Professional Rodeo
2007-2019	Head Team Physician Stanford University Football Program, Stanford University Athletics
2007-present	Journal Reviewer Tissue Engineering
2007	Journal Reviewer Physician and Sports Medicine
2008-present	Journal Reviewer American Journal of Sports Medicine
2010-present	Level III Physician, US Olympic Committee
2011-2015	Elected, Research Committee American Orthopaedic Society for Sports Medicine
2011	Editor, Modern Arthroscopy Textbook

InTech Publishing

2011	American Academy of Orthopaedic Surgery Now Worldwide PRP Consensus Panel member
2012-present	Elected, Editorial Board American Journal of Sports Medicine
2015-2019	Elected, American Academy of Orthopaedic Surgery Biologics and Regenerative Medicine Committee
2015-2019	Board of Directors, Chairman-elect (2019) PAC 12 Conference Student Health and Wellness Committee
2018-2020	Elected, American Arthroscopy Association of North America Education Committee
2018-2021	Elected, American Orthopaedic Society for Sports Medicine Team Physician Committee
2018	Elected, Inaugural President/Chairman Biologic Association
2018	Chairman AOSSM OrthoBiologics Symposium
2019-present	Vice Chair, Academic Affairs University of Colorado School of Medicine Department of Orthopedic Surgery
2019-present	Director, UCHealth Steadman Hawkins Center University of Colorado
2019-present	Head Team Physician, Denver Nuggets, NBA
2019-2022	Head Orthopedic Team Physician, Colorado Rapids, MLS
2019-2024	Associate Team Physician, Denver Broncos NFL
2019-2020	Elected, Arthroscopy Association of North America (AANA) Fellowship Committee
2019-2020	Elected, Arthroscopy Association of North America (AANA) Development Committee
2020-present	Editor, Basic Science Curriculum Development

	National Resident Education Program (AAOS)
2022-2025	Chair, Devices, Biologics and Technology Committee American Academy of Orthopaedic Surgery (AAOS)
2022-present	Board of Directors Arthroscopy Association of North America (AANA)
2020-present	Elected, Arthroscopy Association of North America (AANA) Finance Committee
2024-2026	Treasurer Arthroscopy Association of North America (AANA)
2024-present	Advisor, International Arthrofibrosis Association
2025-Present	Editor Board, American Journal of Sports Medicine
2026-present	Elected, 2nd Vice President, Presidential Line Arthroscopy Association of North America (AANA)

POST-DEGREE HONORS AND AWARDS, INCLUDING MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

2005	InScope Innovative Scientific Centers of Orthopaedic Excellence Orthopaedic Award
2005-2007	Member, Arthroscopy Association of North America
2005-present	Member, American Orthopaedic Society of Sports Medicine
2006	Bone and Joint Decade Young Investigator Award, Toronto
2006	Smith and Nephew Research Award
2006-present	Member, International Cartilage Repair Society
2008	Listed, Consumers Research Council of America's "Top US Orthopaedic Surgeons"
2004	AOSSM/ESSKA European Traveling Fellowship Award
2010	American Orthopaedic Society for Sports Medicine Young Investigators Award, for Research on Post-ACL Tear Osteoarthritis

2010	Top 70 Best Knee Surgeons in America, Becker's Hospital Review
2011	American Orthopaedic Society for Sports Medicine Annual Meeting Best Poster Award
2012	American Orthopaedic Society for Sports Medicine Annual Meeting Best Poster Award
2012	Member, Orthopaedic Research Society
2013	American Medical Women's Association Exceptional Mentor Award
2013	International Cartilage Repair Society Elected to Fellowship Level
2016	AOSSM Sandy Kirkley Research Award: Adipose Derived Stem Cell Trial
2017	American Academy of Orthopaedic Surgery Achievement Award
2019	Endowed Chair of Regenerative Medicine University of Colorado School of Medicine
2023, 2024, 2025 2026	5280 Magazine Top Doctor Award Chosen by peers in the State of Colorado
2024	Elected into Herodicus Honor Society

SCHOLARSHIP

Peer-Reviewed Articles (163 Total)

1. **Dragoo JL**, Samimi B, Zhu M, Hame SL, Thomas BJ, Lieberman JR, Hedrick MH, Benhaim P. Tissue-engineered cartilage and bone using stem cells from human infrapatellar fat pads. *J Bone Joint Surg.* 2003, 85-B, Jul; 31(4):577-84.
2. De Ugarte DA, Morizono K, Elbarbary A, Alfonso Z, Zuk PA, Zhu M, **Dragoo JL**, Ashjian P, Thomas B, Benhaim P, Chen I, Fraser J, Hedrick MH. Comparison of multi-lineage cells from human adipose tissue and bone marrow. *Cells Tissues Organs.* 2003, 174(3):101-9.

3. **Dragoo JL**, Choi JY, Lieberman JR, Huang J, Zuk PA, Zhang J, Hedrick MH, Benhaim P. Bone induction by BMP-2 transduced stem cells derived from human fat. *J Orthop Res*. 2003, July; 21(4):622-9.
4. McAllister DR, Tsai AM, **Dragoo JL**, McWilliams J, Dorey FJ, Hame SL, Finerman GA. Knee function after anterior cruciate ligament injury in elite collegiate athletes. *Am J Sports Med*. 2003, Jul-Aug; 31(4):560-3.
5. **Dragoo JL**, Lee RS, Benhaim P, Finerman GA, Hame SL. Relaxin receptors in the human female anterior cruciate ligament. *Am J Sports Med*. 2003, Jul-Aug; 31(4):577-84.
6. Kay SP, **Dragoo JL**, Lee R. Long-term results of arthroscopic resection of the distal clavicle with concomitant subacromial decompression. *Arthroscopy*. 2003, Oct; 19(8):805-9.
7. Carlson GA, **Dragoo JL**, Samimi B, Bruckner DA, Bernard GW, Hedrick M, Benhaim P. Bacteriostatic Effect of Biomaterials on Common Orthopaedic Pathogens. *Biochem Biophys Res Commun*. 2004, Aug 20; 321(2):472-8.
8. **Dragoo JL**, Lieberman JL, Lee RS, Deugarte DA, Lee YP, Zuk PA, Hedrick MH, Benhaim P. Tissue-engineered bone from BMP-2-transduced stem cells derived from human fat. *Plast Reconstr Surg*. 2005, May; 115(6):1665-73.
9. Stevens KJ, **Dragoo JL**. Anterior Cruciate Ligament Tears and Associated Injuries. *Top Magn Reson Imaging*. 2006, 17(5): 347-362.
10. **Dragoo JL**, Carlson GA, McCormick F, Khan-Farooqi H, Zhu M, Zuk, PA, Benhaim P. Healing Full-Thickness Cartilage Defects using Adipose Derived Stem Cells. *Tissue Engineering*. 2007, Jul; 13(7):1615-1621.
11. **Dragoo, JL**, Abnoui, F. Disorders of the Suprapatellar Pouch of the Knee. *Knee*. 2008, Oct; 15(5): 348-54.
12. **Dragoo JL**, Korotkova T, Kanwar R, Wood, B. The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability. *Am J Sports Med*. 2008, Aug; 36(8): 1484-8.
13. Steadman JR, **Dragoo JL**, Briggs KK, Hines SL. Arthroscopic release for symptomatic scarring of the anterior interval of the knee. *Am J Sports Med*. 2008, Sept; 36(9), pages 1763-9.
14. Bales CP, Matheson G, Ouyang D, **Dragoo JL**. College Football Player with Unstable C1 Fracture: A Case Report. *Am J Sports Med*. 2008, Sept; 36(9), pages 195-8.
15. **Dragoo JL**, Padrez K, Workman R; Lindsey DP. The Effect of Relaxin on the Female Anterior Cruciate Ligament Part II: Analysis of mechanical properties in an animal model. *Knee*. 2008, Volume 16, Issue 1: 69-72.
16. Vaughn ZD, Schmidt J, Lindsey DP, **Dragoo JL**. Biomechanical Evaluation of a one-stage ACL Revision Technique Using a Structural Bone Void Filler. *Arthroscopy*. 2009, Sep; 25(9): 1011-8.
17. Hamman D, Lindsay DP, **Dragoo JL**. Biomechanical analysis of bicortical versus unicortical locked plating of mid-clavicular fractures. *Arch Orthop Trauma Surg*. 2011, Volume 131, Issue 6, Page 773.

18. **Dragoo JL**, Korotkova T, Jagadish A. Chondrotoxicity of low pH, epinephrine, and preservatives found in local anesthetics containing epinephrine. *Am J Sports Med.* 2010, Jun; 38(6):1154-9.
19. **Dragoo JL**, Phillips C, Schmidt JD, Scanlan SF, Blazek K, Steadman JR, Williams A. Mechanics of the Anterior Interval of the Knee using Open Dynamic MRI." *Clin Biomech.* 2010, Jun; 25(5):433-7.
20. **Dragoo JL**, Braun H. The Effect of Playing Surface on Injury Rate: A review of the current literature. *Sports Med.* 2010, Nov 1; 40(11):981-90.
21. **Dragoo JL**, Pun SY. Effect of bupivacaine on chondrocyte viability. *Spine J.* 2010, 10(2): 172-173.
22. **Dragoo JL**, Miller MD, Vaughn ZD, Handley E. Restoration of Knee Volume Using Selected Arthroscopic Releases. *Am J Sports Med.* 2010, Nov; 38(11):2288-93.
23. **Dragoo JL**, Castillo TN, Korotkova TA, Purnell AC, Stewart DR. Trends in serum relaxin concentration among elite collegiate female athletes. *Int J Womens Health.* 2010, Jan 19; 3:19-24.
24. Koo S, Hargreaves BA, Gold GE, **Dragoo JL**. Fabrication of Custom-Shaped Grafts for Cartilage Regeneration. *Int J Artif Organs.* 2011, Oct; 33(10):731-7.
25. Castillo TN, Pouliot MA, Kim HJ, **Dragoo JL**. Comparison of Growth Factor and Platelet Concentration from Commercial Platelet-Rich Plasma Separation Systems. *Am J Sports Med.* 2011, Feb; 39(2):266-71.
26. **Dragoo JL**, Castillo TN, Braun HJ, Kennedy AC, Golish SR. Prospective Correlation between Serum Relaxin Concentration and Anterior Cruciate Ligament Tears among Elite Collegiate Female Athletes. *Am J Sports Med.* 2011, Oct; 39(10):2175-80.
27. Xu H, Zhang C, Pei G, **Dragoo JL**. Restoration of knee volume using selected arthroscopic releases. Letter to the editor. *Am J Sports Med.* 2011, Apr; 39(4): NP5.
28. Hart ND, Golish SR, **Dragoo JL**. Maximizing Intra-articular Length of the Proximal Biceps Tendon for Shoulder Arthroscopy: A Cadaveric study. *Arthroscopy.* 2012, Apr; 28(4):481-5.
29. Chen M, **Dragoo JL**. Arthroscopic Releases for Arthrofibrosis. *J Am Acad Orthop Surg.* 2011, Nov; 19(11):709-16.
30. Tse BK, Vaughn VD, Lindsey DP, **Dragoo JL**. Evaluation of a one-stage ACL revision Technique using bone void filler after cyclic loading. *Knee.* 2012, Aug; 19(4):477-
31. **Dragoo JL**, Johnson C, McConnell J. Evaluation and Treatment of Disorders of the Infrapatellar Fat Pad. *Sports Med.* 2012, Jan 1; 42(1):51-67.
32. Braun HJ, Wilcox-Fogel N, Kim HJ, Pouliot MA, Harris AH, **Dragoo JL**. The Effect of Local Anesthetic and Corticosteroid Combinations on Chondrocyte Viability. *Knee Surg Sports Traumatol Arthrosc.* 2012, Sep; 20(9):1689-95.
33. **Dragoo JL**, Korotkova T, Wasterlain AS, Pouliot MA, Kim HJ, Golish SR. Age-Related Changes of Chondrogenic Growth Factors in Platelet-Rich Plasma. *Oper Tech Orthop.* 2012; 22(2):49-55.

34. Wasterlain AS, Braun HJ, **Dragoo JL**. Contents and Formulations of Platelet-Rich Plasma. *Oper Tech Orthop*. 2012, 22(1):33-42.
35. **Dragoo JL**, Braun HJ, Kim HJ, Golish SR. The Chondrotoxicity of Single-Dose Local Anesthetics. *Am J Sports Med*. 2012, Apr; 40(4):794-9.
36. **Dragoo JL**, Danial CM, Braun HJ, Pouliot MA, Kim HJ. The Chondrotoxicity of Single-Dose Corticosteroids. *Knee Surg Sports Traumatol Arthrosc*. 2012, Sep; 20(9):1809-14.
37. **Dragoo JL**, Braun HJ, Durham JL, Ridley BA, Odegard JI, Luong R, Arnoczky SP. Comparison of the Acute Inflammatory Response of Two Commercial Platelet-Rich Plasma Systems in Healthy Rabbit Tendons. *Am J Sports Med*. 2012, Jun; 40(6):1274-81.
38. **Dragoo JL**, Braun HJ, Durham JL, Chen MR, Harris AH. Incidence and Risk Factors for Injuries to the Anterior Cruciate Ligament in National Collegiate Athletic Association Football: Data From the 2004-2005 Through 2008-2009 National Collegiate Athletic Association Injury Surveillance System. *Am J Sports Med*. 2012, May; 40(5): 990-5.
39. **Dragoo JL**, Braun HJ, Bartlinksy SE, Harris AH. Acromioclavicular joint injuries in NCAA football: Data from the 2004 through 2009 NCAA Injury Surveillance System. *Am J Sports Med*. 2012, Sep; 40(9):2066-71.
40. Chen M, **Dragoo JL**. The Effect of Non-steroidal Anti-inflammatory Drugs on Tissue Healing. *Knee Surg Sports Traumatol Arthrosc*. 2013, Mar; 21(3):540-9.
41. Braun HJ, Busfield BT, Kim HJ, Scuderi GJ, **Dragoo JL**. The effect of local Anesthetics on synoviocytes: A possible indirect mechanism of chondrolysis. *Knee Surg Sports Traumatol Arthrosc*. 2013, Jun; 21(6): 1468-74.
42. Nord RM, Badowski N, Elkins C, Alley M, Harris A, **Dragoo JL**. Optimizing Lavage during Knee Arthroscopy: A 3-Dimensional MRI Study. *J Magn Reson Imaging*. 2013, Jan; 37(1): 201-7.
43. **Dragoo JL**, Braun HJ, Harris AH. The effect of playing surface on the incidence of ACL injuries in National Collegiate Athletic Association American Football. *Knee*. 2013, Jun; 20(3): 191-5.
44. Kim HJ, Park S, Durham J, Gimble JM, Kaplan DL, **Dragoo JL**. In-vitro Chondrogenic Differentiation of Human Adipose-Derived Stem Cells with Silk Scaffolds. *J Tissue Eng*. 2012, 3(1): 2041731412466405.
45. Shull PB, Shultz R, Silder A, **Dragoo JL**, Besier TF, Cutkosky MR, Delp SL. Toe-in gait reduces the first peak knee adduction moment in patients with medial compartment knee osteoarthritis. *J Biomech*. 2013, Jan 4; 46(1):122-8.
46. Hunt KJ, George E, Harris AS, **Dragoo JL**. Epidemiology of syndesmosis injuries in intercollegiate football: Incidence and risk factors from National Collegiate Athletic Association Injury Surveillance System data 2004-05 to 2008-09. *Clin J Sport Med*. 2013, Jan 21.
47. Shull PB, Silder A, Schultz R, **Dragoo JL**, Besier TF, Delp SL, Cutkosky MR. Six-Week Gait Retraining Program Reduces Knee Adduction Moment, Reduces Pain, and Improves Function for Individuals with Medial Compartment Knee Osteoarthritis. *J Orthop Res*. 2013 Jul, 31(7):1020-5.
48. Chu CR, Benny B, **Dragoo JL**, Fleisig G, Hart J, Khazzam M, Marberry K, Nelson B. The Feasibility of Randomized Controlled Trials of Early Arthritis Therapies (EARTH) Involving

- Acute Anterior Cruciate Ligament Tear Cohorts. *Am J Sports Med.* 2012, Nov; 40 (11):2648-2652.
49. Leatherwood WE, **Dragoo JL**. Effect of airline travel on performance: a review of the literature. *Br J Sports Med.* 2013, Jun; 47(9):561-7.
 50. Braun HJ, **Dragoo JL**, Hargreaves BA, Levenston ME, Gold GE. Application of Advanced Magnetic Resonance Imaging Techniques in Evaluation of the Lower Extremity. *Radiol Clin North Am.* 2013, 51(3): 529-45.
 51. Wasterlain AS, Braun HJ, Harris HS, Kim HJ, **Dragoo JL**. The Systemic Effects of Platelet-Rich Plasma Injection. *Am J Sports Med.* 2013, Jan; 41(1):186-93.
 52. Dehghan F, **Dragoo JL**. The Effect of Relaxin on the Musculoskeletal System. *Scand J Med Sci Sports.* 2014, Aug; 24(4): 220-9.
 53. Wasterlain AS, **Dragoo JL**. Author's response. *Am J Sports Med.* 2013, May; 41(5): 23-6.
 54. Padilla S, Orive G, Sánchez M, Anitua E, Wasterlain AS, **Dragoo JL**. Causality in biology has to answer 2 main questions—which and how: letter to the editor. *Am J Sports Med.* 2013, May; 41(5): 22-3.
 55. Braun HL, Wasterlain AS, **Dragoo JL**. The Use of PRP in Ligament and Meniscal Healing. *Sports Med Arthrosc.* 2013, Dec; 21(4): 206-12.
 56. George E, Sox-Harris A, **Dragoo JL**, Hunt KJ. Incidence and risk factors for turf toe injuries in intercollegiate football: Data from the National Collegiate Athletic Association Injury Surveillance System. *Foot Ankle Int.* 2014, Feb; 35(2):108-15.
 57. **Dragoo JL**, Wasterlain AS, Braun BA, Nead KT. Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial. *Am J Sports Med.* 2014, Mar, 42(3): 610-8.
 58. Braun HJ, Kim HJ, Chu CR, **Dragoo JL**. The Effect of Platelet Rich Plasma Formulations and Blood Products on Human Synoviocytes: Implications for Intra-Articular Injury and Therapy. *Am J Sports Med.* 2014, May 42 (5): 1204-10.
 59. Braun HJ, Shultz R, Malone M, Leatherwood WE, Slider A, **Dragoo JL**. Differences in ACL Biomechanical Risk Factors Between Field Hockey and Lacrosse Female Athletes. *Knee Surg Sports Traumatol Arthrosc.* 2015 Apr; 23(4):1065-70.
 60. Swank K, **Dragoo JL**. Post arthroscopic Infection in the Knee following Medical or Dental Procedures. *Case Rep Orthop.* 2013, 2013: 974017.
 61. Kim HJ, Braun HJ, **Dragoo JL**. The effect of resveratrol on normal and osteoarthritic chondrocyte metabolism. *Bone Joint Res.* 2014, Mar 10; 3(3):51-9.
 62. Swank KR, Behn AW, **Dragoo JL**. The effect of donor age on structural and mechanical properties of allograft tendons. *Am J Sports Med.* 2015, Feb; 43(2):453-9.
 63. **Dragoo JL**. Three cheers for the pain pump? *Knee Surg Sports Traumatol Arthrosc.* 2015, Apr; 23(4): 935-6.
 64. Smeriglio P, Dhulipala L, Goodman SB, **Dragoo JL**, Smith RL, Maloney WJ, Bhutani N. Collagen VI enhances cartilage tissue generation by stimulating chondrocyte proliferation. *Tissue Eng Part A.* 2015, Feb; 21(3-4):840-9.

65. Wernecke C, Braun HJ, **Dragoo JL**. The Effect of Intra-articular Corticosteroids on Articular Cartilage. *Orthop J Sports Med*. 2015, Apr 27; 3(5):2325967115581163.
66. Shultz R, Silder A, Malone M, Braun HJ, **Dragoo JL**. Unstable Surface Improves Quadriceps: Hamstring Co-contraction for Anterior Cruciate Ligament Injury Prevention Strategies. *Sports Health*. 2015, Apr; 7(2): 166-71.
67. Taylor SE, Lee J, Smeriglio P, Razzaque A, Smith RL, **Dragoo JL**, Maloney WJ, Bhutani N. Identification of Human Juvenile Chondrocyte-Specific Factors that Stimulate Stem Cell Growth. *Tissue Eng Part A*. 2016, Apr; 22(7-8): 645-53.
68. LaPrade RF, **Dragoo JL**, Koh JL, Murray IR, Geelin AG Chu CR. AAOS Research Symposium Updates and Consensus: Biologic Treatment of Orthopaedic Injuries. *J Am Acad Orthop Surg*. 2016, Jul; 24(7): 62-78.
69. Konopka JA, DeBaun MR, Chang W, **Dragoo JL**. The Intracellular Effect of Relaxin on Female Anterior Cruciate Ligament Cells. *Am J Sports Med*. 2016, Sept, 44(9):2384-92.
70. Tran AA, Gatewood C, Harris AH, Thompson JA, **Dragoo JL**. The effect of foot landing position on biomechanical risk factors associated with anterior cruciate ligament injury. *J Exp Orthop*. 2016, Dec; 3(1):13.
71. Stunt JJ, Kerkhoffs GM, van Ooij B, Sierevelt IN, Schaefroth MU, van Dijk CN, **Dragoo JD**, Tuijthof GM. The Suitability of Global Rating Scales to Monitor Arthroscopic Training Progress. *Int J Sports Exerc Med*. 2016, Volume 2 | Issue 3, 2: 041.
72. Miroshnychenko O, Chang WT, **Dragoo JL**. The Use of Platelet-Rich and Platelet-Poor Plasma to Enhance Differentiation of Skeletal Myoblasts: Implications for the Use of Autologous Blood Products for Muscle Regeneration. *Am J Sports Med*. 2017, Mar; 45(4):945-953.
73. **Dragoo JL**, Arnoczky S. Comparison of the Acute Inflammatory Response of 2 Commercial PRP Systems: Response. *Am J Sports Med*. 2016, Dec; 44 (12): 70-71.
74. Young SW, Valladares RD, Loi F, **Dragoo JL**. Mechanoreceptor Reinnervation of Autografts versus Allografts after Anterior Cruciate Ligament Reconstruction. *Orthop J Sports Med*. 2016, Oct 20; 4(10).
75. Thompson JA, Tran AA, Gatewood CT, Shultz R, Silder A, Delp SL, **Dragoo JL**. Biomechanical Effects of an Injury Prevention Program in Preadolescent Female Soccer Athletes. *Am J Sports Med*. 2017, Feb; 45 (2): 294-301.
76. Gatewood CT, Tran AA, **Dragoo JL**. The efficacy of post-operative devices following knee arthroscopic surgery: a systematic review. *Knee Surg Sports Traumatol Arthrosc*. 2016, 25(2), 501-516.
77. Robins RJ, Daruwalla JH, Gamradt SC, McCarty EC, **Dragoo JL**, Hancock RE, Guy JA, Cotsonis GA, Xerogeanes JW; ASP Collaborative Group., Greis PE, Tuman JM, Tibone JE, Javernick MA, Yochem EM, Boden SA, Pilato A, Miley JH. Return to Play after Shoulder Instability Surgery in NCAA Division I Intercollegiate Football Athletes. *Am J Sports Med*. 2017, Aug; 45(10):2329-2335.
78. **Dragoo JL**, Nguyen M, Gatewood CT, Taunton JD Young S. Medial Patellofemoral Ligament Repair Versus Reconstruction for Recurrent Patellar Instability: Two-Year Results of an Algorithm-Based Approach. *Orthop J Sports Med*. 2017, Mar 16; 5(3): 2325967116689465.

79. Kim SK, Roos TR, Roos AK, Kleimeyer JP, Ahmed MA, Goodlin GT, Fredericson M, Ioannidis JP, Avins AL, **Dragoo JL**. Genome-wide screens for Achilles tendon and ACL tears and tendinopathy. *PLoS One*. 2017, Mar 30; 12(3): 0170422.
80. Roos AK, Avins AL, Ahmed MA, Kleimeyer JP, Roos TR, Fredericson M, Ioannidis JPA, **Dragoo JL**, Kim S. Two Genetic Loci associated with Medial Collateral Ligament Injury. *Int J Sports Med*. 2017, Jul; 38(7): 501-507.
81. Kim S, Kleimeyer JP, Ahmed MA, Avins AL, Fredericson M, **Dragoo JL**, Ioannidis JPA. A Genetic Marker Associated with Shoulder Dislocation. *Int J Sports Med*. 2017, Jul; 38(7): 508-514.
82. Abrams GD, Greenberg DR, **Dragoo JL**, Safran MR, Kamal RN. Quality Measures in Orthopaedic Sports Medicine: A Systematic Review. *Arthroscopy*. 2017, Oct; 33(10): 1896-1910.
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10. Batiste AJ, Stokes DJ, Manfre MG, Chin G, **Dragoo JL**. Optimal Clinical Use of Adipose Mesenchymal Stromal Cells. OrthoBiologics, Frank, Jackson, Chahla, 2025, Pgs 97-109.

Abstracts (159 Total)

1. **Bone Production by Human Adipose-Derived Stem Cells versus Bone Marrow Stem Cells Using Bone Morphogenetic Protein-2 Gene Therapy**, American College of Surgeons, 2001 Spring Scientific Meeting, San Diego, CA 3/01, oral presentation.
2. **Bone Production by Human Adipose-Derived Stem Cells versus Bone Marrow Stem Cells Using Bone Morphogenetic Protein-2 Gene Therapy**, California Society of Plastic Surgery, 2001 Annual Meeting, Monterey, California 5/01, oral presentation.
3. **Cartilage Tissue Engineering using Stem Cells Derived from Human Fat**, American College of Surgeons, Southern California Chapter 2002 Scientific Meeting, Santa Barbara, CA 1/02, oral presentation.
4. **Optimal Cartilage Induction Media using Stem Cells Derived from Human Fat**, American College of Surgeons, Southern California Chapter 2002 Scientific Meeting, Santa Barbara, CA 1/02, oral presentation.
5. **Bone Induction by BMP-2 Transduced Stem Cells Derived from Human Fat**, Orthopaedic Research Society, Dallas, TX 2/02, oral presentation. Relaxin Receptors in the Human Female ACL, Orthopaedic Research Society, Dallas, TX 2/02, poster presentation.

6. **Bone Production by Genetically Manipulated Stem Cells Derived from Human Fat**, 69th Annual Meeting American Academy of Orthopaedic Surgeons, Dallas, TX 2/02, oral presentation.
7. **Cartilage Tissue Engineering using Stem Cells Derived from Human Fat**, 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.
8. **In-vivo Bone Production by Genetically Manipulated Stem Cells Derived from Human Fat**, 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.
9. **Optimal Cartilage Induction Media using Stem Cells Derived from Human Fat**, 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.
10. **Long-term Results of Arthroscopic Distal Clavicle Resection with Concomitant Subacromial Decompression**, 2001 Arthroscopy Association of North America Annual Meeting, Washington, DC 4/02, oral presentation.
11. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, American Orthopaedic Society for Sports Medicine 28th Annual Meeting, Orlando, FL 6/02, poster presentation.
12. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 2002 Annual American Orthopaedic Association Meeting, Victoria, BC 6/02, poster presentation.
13. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 70th Annual Meeting American Academy of Orthopaedic Surgeons, New Orleans, LA 2/03, poster presentation.
14. **Comparison of Multi-lineage Cells from Human Adipose and Bone Marrow**, Orthopaedic Research Society, New Orleans, LA 2/03, poster presentation.
15. **Cartilage Induction using Fat-Derived Stem Cells**, Orthopaedic Research Society, New Orleans, LA 2/03, oral presentation.
16. **Articular Surface Repair using Stem Cells Derived from Human Fat**, Orthopaedic Research Society, San Francisco, CA 3/04, poster presentation.
17. **Articular Surface Repair using Stem Cells Derived from Human Fat**, 71st Annual Meeting American Academy of Orthopaedic Surgeons, San Francisco, CA 3/04, poster presentation.
18. **Anterior Interval of the Knee**, American Arthroscopy Association North America, Ft. Lauderdale, FL, Eposter, 5/06.
19. **Biomechanics and Treatment of Anterior Interval Lesions of the Knee**, American Orthopaedic Society for Sports Medicine, Hershey, PA, oral presentation 6/06.
20. **Basic Science of Articular Cartilage**, 74th Annual Meeting American Academy of Orthopaedic Surgeons, San Diego, CA 2/07, symposium-Treatment of Cartilage Defects of the Ankle.
21. **The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability**, International Cartilage Research Society, Warsaw, Poland, 9/07.
22. **The Effect of Relaxin on ACL Integrity**, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.

23. **The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability**, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.
24. **Effect of Local Anesthetics Delivered via Peri-operative Pain Pumps on Chondrocyte Viability**, 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, 3/2008.
25. **Biomechanical Evaluation of a one-stage ACL Revision Technique using a Structural Bone Void Filler**, 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, 3/2008.
26. **Relationship between Knee Flexion Moment and Early Cartilage Changes in the ACL Reconstructed Knee**. American Society of Biomechanics Annual Meeting Stanford, CA, 3/2007.
27. **Sagittal ACL Graft Orientation Influences Passive and Dynamic Anterior Tibial Translation**. American Society of Biomechanics Annual Meeting, Stanford, CA, 3/2007.
28. **Accuracy of building a three-dimensional model of a complex articular cartilage defect from 1.5T MRI**. 16th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Canada, 5/2008.
29. **Effect of Local Anesthetics Delivered via Peri-operative Pain Pumps on Chondrocyte Viability**, American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, 7/2008.
30. **The Effect of Relaxin on ACL Integrity**, American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, 7/2008.
31. **Age-Related Change in Growth Factor Levels in Platelet Rich Plasma**, Orthopaedic Research Society, Las Vegas, NV 2/2009.
32. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV 2/2009.
33. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, CO, 7/2009.
34. **Efficacy of Arthroscopic Acromioplasty; A critical review of the literature**, 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, 3/2010.
35. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, 3/2010.
36. **Biomechanical Evaluation of a one-stage ACL Revision Technique using a Structural Bone Void Filler**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
37. **The Effect of Relaxin on ACL Integrity**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
38. **Fabrication of Custom-Shaped Grafts for Cartilage Regeneration**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.

39. **Excursion of the Proximal Biceps Tendon with Positioning of the Upper Extremity: A Cadaveric Study**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
40. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
41. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
42. **Chondrotoxicity of Single Dose Corticosteroid Injections**, American Orthopaedic Society for Sports Medicine Annual Meeting, Providence, RI, 7/2010.
43. **Intra-articular Visualization of the Proximal Biceps Tendon is Maximized by Shoulder Abduction, Shoulder Flexion, and Elbow Flexion**, 124th AOA Annual Meeting in Boston, MA.
44. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA 2/2011.
45. **The Basic Science of Chondrotoxicity**, Symposium, 30th Annual Meeting, Arthroscopy Association of North America, San Francisco, CA 4/2011.
46. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
47. **Double-Blind Randomized Controlled Trial of Platelet-Rich-Plasma versus Dry Needling for Treatment of Patellar Tendinosis**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
48. **Single-Stage Revision Anterior Cruciate Ligament Reconstruction Technique Using a Structural Bone Void Filler**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
49. **Correlation of Serum Relaxin Levels and ACL Tears in Elite College Female Athletes**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
50. **Comparison of Growth Factor and Platelet Concentration from Commercial Platelet-Rich Plasma Separation Systems**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
51. **Stem Cell Therapy in Orthopaedics 2011**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
52. **Intra-articular Visualization of the Proximal Biceps Tendon is Maximized by Shoulder Abduction, Shoulder Flexion, and Elbow Flexion**, 124th Annual Meeting of the American Orthopaedic Association 2011, Boston, USA
53. **Chondrotoxicity of Single Dose Local Anesthetic Injections**, American Orthopaedic Society for Sports Medicine Annual Meeting, San Diego, CA 7/2011.

54. **Possible ACL Risk Reduction Mechanism: Unstable Surfaces Decrease Quadricep: Hamstring Ratio.** Sport Injury Prevention Research Symposium. Canadian Academy of Sport and Exercise Medicine. Kelowna, British Columbia, CAN, June, 2012.
55. **The Chondrotoxicity of Single-Dose Local Anesthetic Injections,** 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA 2/2012.
56. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial,** Orthopaedic Research Society, San Francisco, 2/2012.
57. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors,** Orthopaedic Research Society, San Francisco, 2/2012.
58. **Local Anesthetics Activate Fibroblast-like Synoviocytes and Induce Matrix Metalloproteinase Production,** Orthopaedic Research Society, San Francisco, 2/2012.
59. **Local Anesthetics and Corticosteroids: A Chondrotoxic Combination,** Orthopaedic Research Society, San Francisco, 2/2012.
60. **The Chondrotoxicity of Single-Dose Local Anesthetics,** Orthopaedic Research Society, San Francisco, 2/2012.
61. **The Inflammatory Effect of Leukocyte-poor Versus Leukocyte-rich Platelet-Rich Plasma,** Orthopaedic Research Society, San Francisco, 2/2012.
62. **The Metabolic Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes,** Orthopaedic Research Society, San Francisco, 2/2012.
63. **Prospective Correlation between Serum Relaxin Concentration and ACL Tears in Elite Female Athletes,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
64. **The Inflammatory Effect of Leukocyte-Rich Versus Leukocyte-Poor Platelet-Rich Plasma,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
65. **The Effect of Playing Surface on the Incidence of Anterior Cruciate Ligament Injuries in National Collegiate Athletic Association American Football Players,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
66. **Systemic Performance-Enhancing Effects of Platelet-Rich Plasma (PRP) Injection,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
67. **The Chondrotoxic and Inflammatory Effect of Local Anesthetics on Synoviocytes: An indirect pathway of chondrolysis,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
68. **The Effect of Local Anesthetic and Corticosteroid Combinations on Chondrocyte Viability,** 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012

69. **Platelet-Rich Plasma as a Treatment For Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
70. **The Incidence of Acromioclavicular Joint Injury in National Collegiate Athletic Association American Football Players**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
71. **The Chondrotoxic Effect of Single-Dose Local Anesthetics**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
72. **The Molecular Effect of Resveratrol on Osteoarthritic and Juvenile Chondrocytes**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/2012
73. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, International Cartilage Research Society, Montreal, Canada 5/2012
74. **Systemic Performance-Enhancing Effects of Platelet-Rich Plasma (PRP) Injection**, International Cartilage Research Society, Montreal, Canada 5/2012
75. **Platelet-Rich Plasma as a Treatment For Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012.
76. **The Effect of Local Anesthetics on Synoviocytes: An indirect contributor to Chondrolysis**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012.
77. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
78. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
79. **The Chondrotoxicity of Single-Dose Local Anesthetics**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
80. **The Inflammatory Effect of Leukocyte-Rich Versus Leukocyte-Poor Platelet-Rich Plasma**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
81. **The Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
82. **T2 Relaxation Times in Medial Compartment Osteoarthritis using 3D Quantitative DESS (qDESS)**, International Society for Magnetic Resonance in Medicine, Melbourne, Australia 5/2012
83. **Platelet-Rich Plasma as a Treatment For Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, Maryland, 7/2012.
84. **The Use of Stem Cells in Clinical Orthopaedics**, American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, Maryland, 7/2012.

85. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, 80th Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL 3/2013.
86. **The Effect of Local Anesthetics on Synoviocytes: An Indirect Contributor to Chondrolysis**, 80th Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL 3/2013.
87. **Effect of Playing Surface on the Incidence of ACL Injuries in NCAA Football**, 80th Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL 3/2013.
88. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors**. Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.
89. **Tibial Tunnel Anteriorization Procedure for Single-State Revision ACL Reconstruction**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
95. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
96. **The Impact of Hemarthrosis on the Inflammatory and Oxidative Environment of ACL-Injured Knees**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
97. **Lower Extremity Biomechanics in Division I Female Athletes**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
98. **T2 Mapping and Functional Outcome of Patients with Medial Knee Osteoarthritis after the use of Unloader Bracing**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
99. **Inflammatory Mediators in Joint Fluid of Meniscectomy Patients with Visible Synovitis**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
100. **The Systemic Effects of Platelet-Rich Plasma Injection**. Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
101. **The Impact of Hemarthrosis on the Inflammatory and Oxidative Environment of ACL-Injured Knees**. Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
102. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials**. Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
103. **Landing on an Unstable Surface Decreases ACL Biomechanical Risk Factors**. Annual Meeting of the American Orthopaedic Society for Sports Medicine, Chicago, IL, July 2013.
104. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials**, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 2014.

105. **The Effect of Platelet Rich Plasma Formulations on Human Synoviocytes**, Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March, 2014.
106. **MPFL Repair versus Reconstruction for Recurrent Patellar Instability: Two-year Results of an Algorithm Based Approach**. Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
107. **Relaxin signaling in female versus male human anterior cruciate ligament cells**. Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
108. **The Effect of Platelet Rich Plasma Formulations and Blood Products on Human Synoviocytes**. Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
109. **Symposium: What can you Safely Inject into Joints in 2014?** Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
110. **Diagnostic performance of a 3D FSE T2 and T1rho sequence for Quantitative mapping of articular cartilage composition for the detection of Morphological internal knee derangements**. International Society for Magnetic Resonance in Medicine, Milan, IT, May 2014.
111. **Symposium: ESSKA guidelines for PRP use**. 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
112. **Biomechanical risk factors for ACL rupture in female lacrosse and field hockey athletes**. 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
113. **Repair versus reconstruction for recurrent lateral patellar instability**. 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
114. **Chondrogenesis using FDA-approved biomatrices**. 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands May 2014
115. **The Effect of Platelet Rich Plasma Formulations and Blood Products on Human Synoviocytes**. 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
116. **Mechanoreceptor Re-innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction**. American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA 7/2014
117. **Symposium: Cell-Based Therapies in Orthopaedics: Common Sense Approach for the Practicing Orthopaedic Surgeon**. AAOS Annual Meeting, Las Vegas, NV 3/2015
118. **The Effect of Donor Age on Structural and Mechanical Properties of Allograft Tendons**. AAOS Annual Meeting, Las Vegas, NV 3/2015
119. **Return to Play of Elite Football Players after Multi-ligament Reconstructions of the Knee**. Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
120. **Relaxin Signaling in Female Versus Male Human Anterior Cruciate Ligament Tenocytes**.

- Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
121. **The Effect of Donor Age on the Structural and Mechanical Properties of Allograft Tendons.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
 122. **Mechanoreceptor Re-Innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
 123. **Quantitation Of Progenitor Cells After Bone Marrow Aspirate Concentration.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
 124. **Arthroscopic Harvest of Stem Cells from the Infrapatellar Fat Pad.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
 125. **The Use of Stem Cells and PRP for Cartilage Regeneration.** American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL. July 2015.
 126. **Symposium: The Use of Biologics for Intra-articular Disease.** American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL. July 2015.
 127. **Cell Therapies for the Treatment of Musculoskeletal Disease.** AAOS Annual Meeting, Orlando, FL 3/2016
 128. **Bilateral Assessment of Cartilage with UTE T2* Quantitative MRI and Relationships with Walking Mechanics Two Years after Anterior Cruciate Ligament Reconstruction.** AAOS Annual Meeting, Orlando, FL 3/2016
 129. **Biologic Treatment of Orthopaedic Injuries.** AAOS Annual Meeting, Orlando, FL 3/2016
 130. **The Use of Biologics for Rotator Cuff Repair.** AANA Specialty Day. AAOS Annual Meeting, Orlando, FL 3/2016
 131. **Cell Therapies for the Treatment of Musculoskeletal Disease.** AAOS Annual Meeting, Orlando, FL 3/2016
 132. **The Use of Platelet-Rich and Platelet-Poor Plasma to Enhance Differentiation of Skeletal Myoblasts: Implications for the Use of Autologous Blood Products for Muscle Regeneration.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
 133. **Biomechanical Effects of an ACL Injury Prevention Program on Youth Female Soccer Athletes.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
 134. **Mechanoreceptor Re-innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016

135. **The Effect of Foot Position on Biomechanical Risk Factors for Anterior Cruciate Ligament Injury.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
136. **Arthroscopic Harvest of Adipose Derived Stem Cells from the Infrapatellar Fat Pad.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
137. **The Use of PRP and PPP for Muscle Regeneration.** AOSSM Annual Meeting, Colorado Springs, CO, 7/2016.
138. **Return to Play after Shoulder Instability Surgery in NCAA Division I Intercollegiate Football Athletes.** AOSSM Annual Meeting, Colorado Springs, CO, 7/2016.
139. **The Use of Platelet-Rich and Platelet-Poor Plasma to Enhance Differentiation of Skeletal Myoblasts.** AAOS Annual Meeting, San Diego, CA 3/2017
140. **The Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications.** AAOS Annual Meeting, San Diego, CA 3/2017
141. **Biomechanical Effects of an ACL Injury Prevention Program on Youth Female Soccer Athletes.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
142. **The Use of Platelet-Rich And Platelet-Poor Plasma To Enhance Differentiation Of Skeletal Myoblasts: Implications For The Use Of Autologous Blood Products For Muscle Regeneration.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
143. **Characterization of Stem Cell Yield after the Use of Commercial Bone Marrow Aspirate Concentration Devices.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
144. **Quantification of Stem Cells in Bone Marrow Aspirate Concentration.** AOSSM Annual Meeting, Toronto, CAN, 7/2017.
145. **Chondrotoxicity Injectable NSAIDs and Narcotics.** AOSSM Annual Meeting, Toronto, CAN, 7/2017.
146. **PRP for Patellar Tendinopathy: a Multi-Center Double-Blind RCT.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
147. **The Effect of Oral Contraceptives on ACL Strength.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
148. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older patients with Meniscal Root Tears.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
149. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older patients with Meniscal Root Tears.** 12th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. Cancun, Mexico 5/2019.
150. **The Effect of Oral Contraceptive Hormones on Anterior Cruciate Ligament Strength.** 12th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. Cancun, Mexico 5/2019.

151. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older Patients with Meniscal Root Tears.** AOSSM Annual Meeting, Boston, MA 7/2019.
152. **Managing Hype of Misinformation about Orthobiologics and What Does the Literature Support?** Hawkins Foundation, CME Program, via Zoom
153. **A Biomechanical Comparison of All-Inside versus transtibial Meniscal Root Repair Techniques.** AOSSM Annual Meeting Washington DC July 13-16, 2023
154. **The Role of Biologics in the Knee Pathology: “Can You Handle the Truth?”** AANA/SOMOS Knee Course, Rosemont IL August 4-6, 2023
155. **Joint Preservation: Pushing the Envelope and Avoiding Metal.** Orthopedic Summit, Boston MA, September 20-23, 2023
156. **Pro: You’re Already in There - Fix with DeNovo at the Same Time as the ACL** Orthopedic Summit, Boston MA, September 20-23, 2023
157. **Orthobiologics: The Medical Wild West or A Real Solution.** Orthopedic Summit, Boston MA, September 20-23, 2023 May 17-20, 2023
158. **Pick the Procedure, Guarantee Return to Play** Orthopaedic Summit, Boston MA, September 20-23, 2023
159. **Anatomic Matching And Contouring Of Trochlear Osteochondral Allografts** International Cartilage Regeneration & Joint Preservation Society 18th World Congress, Boston MA, October 11-14, 2025

Invited Presentations (385 Total)

1. **Slipped Capital Femoral Epiphysis**, Grand Rounds, Orthopaedic Hospital, Los Angeles, CA 8/99, oral presentation.
2. **Cartilage Tissue Engineering**, Grand Rounds, Shriners Hospital for Children, Los Angeles, CA 2/00, oral presentation.
3. **Wrist Injuries in Athletes**, UCLA Department of Orthopaedics, Hand Trauma Lecture Series 3/00, oral presentation.
4. **Bone Production by Human Adipose-Derived Stem Cells versus Bone Marrow Stem Cells Using Bone Morphogenetic Protein-2 Gene Therapy**, American College of Surgeons, 2001 Spring Scientific Meeting, San Diego, CA 3/01, oral presentation.
5. **Common Pitfalls in Orthopaedic Patient Management**, UCLA Department of Medicine Surgical Lecture Series 3/01, oral presentation.
6. **In-Vitro Osteogenesis of BMP-2 Transfected Human Stem Cells**, American Orthopaedic Association-34th Annual Residents Conference, Hershey, PA 3/01, oral presentation.

7. **Examination of the Knee**, UCLA Department of Medicine Surgical Lecture Series 5/01, oral presentation.
8. **Bone Production by Human Adipose-Derived Stem Cells versus Bone Marrow Stem Cells Using Bone Morphogenetic Protein-2 Gene Therapy**, California Society of Plastic Surgery, 2001 Annual Meeting, Monterey, California 5/01, oral presentation.
9. **In-Vitro Osteogenesis of BMP-2 Transfected Human Stem Cells**, Plastic Surgery Research Council, Milwaukee, Wisconsin 6/01, oral presentation.
10. **In-Vitro Osteogenesis of BMP-2 Transfected Human Stem Cells**, 2001 Annual American Orthopaedic Association Meeting, West Palm Beach, FL 6/01, poster presentation.
11. **Bone and Cartilage Tissue Engineering using Fat Derived Stem Cells**, 2001 Annual Plastic Surgery Research Forum, UCLA Department of Plastic Surgery 6/01, oral presentation.
12. **Long-term Results of Arthroscopic Distal Clavicle Resection**, 2001 Western Orthopaedic Association Meeting, San Francisco, CA 9/01, poster presentation.
13. **Bone Induction by BMP-2 Transduced Stem Cells Derived from Human Fat, 2001** Western Orthopaedic Association Meeting, San Francisco, CA 9/01, oral presentation.
14. **Relaxin Receptors in the Human Female ACL**, 2001 Western Orthopaedic Association Meeting, San Francisco, CA 9/01, oral presentation.
15. **Osteogenic Induction by Genetically Manipulated Stem Cells Derived from Human Fat**, 2001 Annual Meeting American Society for Bone and Mineral Research, Phoenix, AZ 10/01, poster presentation.
16. **Bone Production by BMP-2 Transduced Stem Cells Derived from Human Fat**, 4th International Meeting of the Tissue Engineering Society International and the 1st Biennial Meeting of the European Tissue Engineering Society, Freiburg, Germany 11/01, oral presentation.
17. **Cartilage Tissue Engineering using Stem Cells Derived from Human Fat**, American College of Surgeons, Southern California Chapter 2002 Scientific Meeting, Santa Barbara, CA 1/02, oral presentation.
18. **Optimal Cartilage Induction Media using Stem Cells Derived from Human Fat**, American College of Surgeons, Southern California Chapter 2002 Scientific Meeting, Santa Barbara, CA 1/02, oral presentation.
19. **Bone Induction by BMP-2 Transduced Stem Cells Derived from Human Fat**, Orthopaedic Research Society, Dallas, TX 2/02, oral presentation.
20. **Relaxin Receptors in the Human Female ACL**, Orthopaedic Research Society, Dallas, TX 2/02, poster presentation.
21. **Bone Production by Genetically Manipulated Stem Cells Derived from Human Fat**, 69th Annual Meeting American Academy of Orthopaedic Surgeons, Dallas, TX 2/02, oral presentation.
22. **Cartilage Tissue Engineering using Stem Cells Derived from Human Fat**, 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.

23. **In-vivo Bone Production by Genetically Manipulated Stem Cells Derived from Human Fat**, 47th Annual PLASTIC Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.
24. **Optimal Cartilage Induction Media using Stem Cells Derived from Human Fat**, 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.
25. **Bone Production by Genetically Manipulated Stem Cells Derived from Human Fat**, California Orthopaedic Association, 2002 Annual Meeting, Palm Springs, CA 4/02, oral presentation.
26. **Relaxin Receptors in the Human Female ACL**, American Orthopaedic Association-35th Annual Residents Conference, Memphis, TN 4/02, oral presentation.
27. **Long-term Results of Arthroscopic Distal Clavicle Resection with Concomitant Subacromial Decompression**, 2001 Arthroscopy Association of North America Annual Meeting, Washington, DC 4/02, oral presentation.
28. **Examination of the Shoulder**, UCLA Department of Medicine Surgical Lecture Series 5/01, oral presentation.
29. **Examination of the Knee**, UCLA Department of Medicine Surgical Lecture Series 5/01, oral presentation.
30. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, American Orthopaedic Society for Sports Medicine 28th Annual Meeting, Orlando, FL 6/02, poster presentation.
31. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 2002 Annual American Orthopaedic Association Meeting, Victoria, BC 6/02, poster presentation.
32. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 2002 Western Orthopaedic Association Meeting, Maui, HI 9/02, oral presentation.
33. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 2002 Smith and Nephew National Resident Research Awards, Memphis, TN 9/02, oral presentation.
34. **Cartilage and Bone Production using Stem Cells from Arthroscopically Harvested Infrapatellar Fat Pads**, 70th Annual Meeting American Academy of Orthopaedic Surgeons, New Orleans, LA 2/03, poster presentation.
35. **Comparison of Multi-lineage Cells from Human Adipose and Bone Marrow**, Orthopaedic Research Society, New Orleans, LA 2/03, poster presentation.
36. **Cartilage Induction using Fat-Derived Stem Cells**, Orthopaedic Research Society, New Orleans, LA 2/03, oral presentation.
37. **Shoulder Injuries in the Young Athlete**, Grand Rounds, Orthopaedic Hospital, Los Angeles, CA 2/03, oral presentation.
38. **The Future of Arthritis Surgery: The use of stem cells**, Grand Rounds, Orthopaedic Hospital, Los Angeles, CA 2/03, oral presentation.

39. **Articular Surface Repair using Stem Cells Derived from Human Fat**, Orthopaedic Research Society, San Francisco, CA 3/04, poster presentation.
40. **The Future of Arthritis Surgery: The Use of Stem Cells**, Wilson-Bost Traveling Fellowship Presentation, Los Angeles, CA 2/03, oral presentation.
41. **Articular Surface Repair using Stem Cells Derived from Human Fat**, 71st Annual Meeting American Academy of Orthopaedic Surgeons, San Francisco, CA 3/04, poster presentation.
42. **Anterior Interval of the Knee**, American Arthroscopy Association North America, Ft. Lauderdale, FL, Eposter, 5/06.
43. **Biomechanics and Treatment of Anterior Interval Lesions of the Knee**, American Orthopaedic Society for Sports Medicine, Hershey, PA, oral presentation 6/06.
44. **Articular Surface Repair using Stem Cells Derived from Human Fat**, 2006 Smith and Nephew Research Awards, San Diego, CA 1/06, oral presentation.
45. **New Frontiers in Sports Medicine: Hip Arthroscopy**, Grand Rounds, Stanford University, 1/06.
46. **Modern Techniques of Cartilage Regeneration**, Western Orthopaedic Association, Napa, CA 11/06.
47. **Basic Science of Articular Cartilage**, 74th Annual Meeting American Academy of Orthopaedic Surgeons, San Diego, CA 2/07, symposium-Treatment of Cartilage Defects of the Ankle.
48. **The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability**, International Cartilage Research Society, Warsaw, Poland, 9/07.
49. **The Effect of Relaxin on ACL Integrity**, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.
50. **The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability**, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.
51. **Effect of Local Anesthetics Delivered via Peri-operative Pain Pumps on Chondrocyte Viability**, 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, 3/2008.
52. **Biomechanical Evaluation of a one-stage ACL Revision Technique using a Structural Bone Void Filler**, 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, 3/2008.
53. **Relationship between Knee Flexion Moment and Early Cartilage Changes in the ACL Reconstructed Knee**. American Society of Biomechanics Annual Meeting Stanford, CA, 3/2007.
54. **Sagittal ACL Graft Orientation Influences Passive and Dynamic Anterior Tibial Translation**. American Society of Biomechanics Annual Meeting, Stanford, CA, 3/2007.
55. **Accuracy of building a three-dimensional model of a complex articular cartilage defect from 1.5T MRI**. 16th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, Canada, 5/2008.

56. **Effect of Local Anesthetics Delivered via Peri-operative Pain Pumps on Chondrocyte Viability**, American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, 7/2008.
57. **The Effect of Relaxin on ACL Integrity**, American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, 7/2008.
58. **Age-Related Change in Growth Factor Levels in Platelet Rich Plasma**, Orthopaedic Research Society, Las Vegas, NV 2/2009.
59. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV 2/2009.
60. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, CO, 7/2009.
61. **Efficacy of Arthroscopic Acromioplasty; A Critical Review of the Literature**, 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, 3/2010.
62. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, 3/2010.
63. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, Northern California Division of California Orthopaedic Society Annual Meeting, Half Moon Bay, CA 3/2010.
64. **Biomechanical Evaluation of a One-Stage ACL Revision Technique Using a Structural Bone Void Filler**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
65. **The Effect of Relaxin on ACL Integrity**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
66. **Fabrication of Custom-Shaped Grafts for Cartilage Regeneration**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
67. **Excursion of the Proximal Biceps Tendon with Positioning of the Upper Extremity: A Cadaveric Study**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
68. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
69. **Chondrotoxicity of Low pH, Epinephrine and Preservative found in Local Anesthetics Containing Epinephrine**, 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.
70. **Chondrotoxicity of Single Dose Corticosteroid Injections**, American Orthopaedic Society for Sports Medicine Annual Meeting, Providence, RI, 7/2010.
71. **Restoration of Knee Volume Using Selected Arthroscopic Releases**, Magellan International Society Bi-Annual Meeting, Newport, RI, 7/2010.
72. **Update on the Chondrotoxicity of Local Anesthetics and Corticosteroids**, Magellan International Society Bi-Annual Meeting, Newport, RI, 7/2010.

73. **Intra-articular Visualization of the Proximal Biceps Tendon is Maximized by Shoulder Abduction, Shoulder Flexion, and Elbow Flexion**, 124th AOA Annual Meeting in Boston, MA.
74. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA 2/2011.
75. **The Real Truth About PRP**, Annual Society for Tennis Medicine and Science Conference, San Jose, CA.
76. **The Effect of NSAIDS on Tissue Healing**, 2011 Metcalf, Winter AANA meeting, Salt Lake City, UT.
77. **The Real Truth About PRP**, 2011 Metcalf, Winter AANA meeting, Salt Lake City, UT.
78. **The Real Truth About PRP**, Northern California Division of California Orthopaedic Society Annual Meeting, Carmel, CA 4/2011.
79. **The Effect of NSAIDS on Tissue Healing**, Northern California Division of California Orthopaedic Society Annual Meeting, Carmel, CA 4/2011.
80. **The Basic Science of Chondrotoxicity**, Symposium, 30th Annual Meeting, Arthroscopy Association of North America, San Francisco, CA 4/2011.
81. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
82. **Double-Blind Randomized Controlled Trial of Platelet-Rich-Plasma versus Dry Needling for Treatment of Patellar Tendinosis**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
83. **Single-Stage Revision Anterior Cruciate Ligament Reconstruction Technique Using a Structural Bone Void Filler**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
84. **Correlation of Serum Relaxin Levels and ACL Tears in Elite College Female Athletes**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
85. **Comparison of Growth Factor and Platelet Concentration from Commercial Platelet-Rich Plasma Separation Systems**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
86. **Stem Cell Therapy in Orthopaedics 2011**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.
87. **Intra-Articular Visualization of the Proximal Biceps Tendon is Maximized by Shoulder Abduction, Shoulder Flexion, and Elbow Flexion**, 124th Annual Meeting of the American Orthopaedic Association 2011, Boston, USA
88. **Chondrotoxicity of Single Dose Local Anesthetic Injections**, American Orthopaedic Society for Sports Medicine Annual Meeting, San Diego, CA 7/2011.
89. **The Chondrotoxicity of Single-Dose Local Anesthetic Injections**, 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA 2/2012.

90. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, Orthopaedic Research Society, San Francisco, 2/2012.
91. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors**, Orthopaedic Research Society, San Francisco, 2/2012.
92. **Local Anesthetics Activate Fibroblast-like Synoviocytes and Induce Matrix Metalloproteinase Production**, Orthopaedic Research Society, San Francisco, 2/2012.
93. **Local Anesthetics and Corticosteroids: A Chondrotoxic Combination**, Orthopaedic Research Society, San Francisco, 2/2012.
94. **The Chondrotoxicity of Single-Dose Local Anesthetics**, Orthopaedic Research Society, San Francisco, 2/2012.
95. **The Inflammatory Effect of Leukocyte-poor Versus Leukocyte-rich Platelet-Rich Plasma**, Orthopaedic Research Society, San Francisco, 2/2012.
96. **The Metabolic Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes**, Orthopaedic Research Society, San Francisco, 2/2012.
97. **Arthroscopy for Osteoarthritis**. American Academy of Orthopaedic Surgery, Masters Athlete Symposium. Phoenix, AZ 4/2012.
98. **The Real Truth about Platelet Rich Plasma**. American Academy of Orthopaedic Surgery, Masters Athlete Symposium. Phoenix, AZ 4/2012.
99. **The use of Stem Cells in Clinical Practice**. American Academy of Orthopaedic Surgery, Masters Athlete Symposium. Phoenix, AZ 4/2012.
100. **Prospective Correlation between Serum Relaxin Concentration and ACL Tears in Elite Female Athletes**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
101. **The Inflammatory Effect of Leukocyte-Rich Versus Leukocyte-Poor Platelet-Rich Plasma**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
102. **The Effect of Playing Surface on the Incidence of Anterior Cruciate Ligament Injuries in National Collegiate Athletic Association American Football Players**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
103. **Systemic Performance-Enhancing Effects of Platelet-Rich Plasma (PRP) Injection**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
104. **The Chondrotoxic and Inflammatory Effect of Local Anesthetics on Synoviocytes: An Indirect Pathway of Chondrolysis**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
105. **The Effect of Local Anesthetic and Corticosteroid Combinations on Chondrocyte Viability**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012

106. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
107. **The Incidence of Acromioclavicular Joint Injury in National Collegiate Athletic Association American Football Players**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
108. **The Chondrotoxic Effect of Single-Dose Local Anesthetics**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
109. **The Molecular Effect of Resveratrol on Osteoarthritic and Juvenile Chondrocytes**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012
110. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, International Cartilage Research Society, Montreal, Canada 5/2012
111. **Systemic Performance-Enhancing Effects of Platelet-Rich Plasma (PRP) Injection**, International Cartilage Research Society, Montreal, Canada 5/2012
112. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012.
113. **The Effect of Local Anesthetics on Synoviocytes: An indirect contributor to chondrolysis**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012.
114. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
115. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
116. **The Chondrotoxicity of Single-Dose Local Anesthetics**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
117. **The Inflammatory Effect of Leukocyte-Rich Versus Leukocyte-Poor Platelet-Rich Plasma**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
118. **The Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012
119. **T2 Relaxation Times in Medial Compartment Osteoarthritis using 3D Quantitative DESS (qDESS)**, International Society for Magnetic Resonance in Medicine, Melbourne, Australia 5/2012
120. **Update on the use of Platelet Rich Plasma**. Hawkins Society Annual Meeting. Hilton Head, SC 5/2012.
121. **The Use of Stem Cells in Clinical Orthopaedics**. Hawkins Society Annual Meeting. Hilton Head, SC 5/2012.

122. **Possible ACL Risk Reduction Mechanism: Unstable Surfaces Decrease Quadricep: Hamstring Ratio.** Sport Injury Prevention Research Symposium. Canadian Academy of Sport and Exercise Medicine. Kelowna, British Columbia, CA, June, 2012.
123. **Modern ACL Reconstruction.** Northern California Orthopaedic Association Annual Meeting, Carmel, CA 6/2012.
124. **Identification and Treatment of Infrapatellar Pain.** Stanford University Continuing Education, Sport Medicine Conference, Stanford, CA 6/2012.
125. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial,** American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, Maryland, 7/2012.
126. **The Use of Stem Cells in Clinical Orthopaedics,** American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, Maryland, 7/2012.
127. **3D-DESS T2 Mapping Improves Resolution and Decreases Scan Time Versus 2D-T2 Mapping of Articular Cartilage.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
128. **The Role of Hemarthrosis on the Inflammatory and Oxidative Environment of ACL-Injured Knees.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
129. **T2 Mapping and Functional Outcome of Patients with Medial Knee Osteoarthritis after the use of Unloader Bracing.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
130. **Difference in Lower Extremity Biomechanics in Division I Field Hockey and Lacrosse Female Athletes.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
131. **The Effect of Unstable Surfaces on Biomechanical Risk Factor Profile of Elite Female Athletes.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
132. **The Effect of Arthroscopic Synovectomy on Inflammatory Mediator Profile in Knee Synovial Fluid.** Annual Meeting of the Orthopaedic Research Society, San Antonio, TX, January 2013.
133. **The Effect of Local Anesthetics and Corticosteroids on Cartilage.** Metcalf Memorial Meeting, Sun Valley, ID February 2013.
134. **Use of Stem Cells and PRP in Clinical Practice.** Metcalf Memorial Meeting, Sun Valley, ID February 2013.
135. **Biologic Augmentation of Meniscal Repair.** Metcalf Memorial Meeting, Sun Valley, ID February 2013.
136. **The Effect of Playing Surface on the Incidence of ACL Injuries in NCAA Football.** Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.

137. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial.** Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.
138. **The Effect of Local Anesthetics on Synoviocytes: An Indirect Contributor to Chondrolysis.** Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.
139. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors.** Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.
140. **Tibial Tunnel Anteriorization Procedure for Single-State Revision ACL Reconstruction.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
141. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
142. **The Impact of Hemarthrosis on the Inflammatory and Oxidative Environment of ACL-Injured Knees.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
143. **Lower Extremity Biomechanics in Division I Female Athletes.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
144. **T2 Mapping and Functional Outcome of Patients with Medial Knee Osteoarthritis after the use of Unloader Bracing.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
145. **Inflammatory Mediators in Joint Fluid of Meniscectomy Patients with Visible Synovitis.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.
146. **The Systemic Effects of Platelet-Rich Plasma Injection.** Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
147. **The Impact of Hemarthrosis on the Inflammatory and Oxidative Environment of ACL-Injured Knees.** Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
148. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials.** Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
149. **Symposium: Arthroscopic Techniques for the treatment of Osteoarthritis.** Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
150. **Symposium: The Use of Stem Cells in Clinical Sports Medicine.** Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.
151. **ACL Revision with Tibial Tunnel Anteriorization.** Magellan Society, Toronto, Canada, May

2013.

152. **The Systemic Effects of Platelet-Rich Plasma Injection.** The OrthoBiologic Institute Annual Meeting, Los Angeles, CA, June 2013.
153. **Landing on an Unstable Surface Decreases ACL Biomechanical Risk Factors.** Annual Meeting of the American Orthopaedic Society for Sports Medicine, Chicago, IL, July 2013.
154. **The Clinical use of Stem Cells and Biologics in Sports Medicine.** Advancements in Shoulder and Hip Arthroscopy, Napa, CA, September, 2013.
155. **Modern Microfracture Technique.** 1st Annual Cartilage Regeneration Symposium. San Francisco, CA, November, 2013.
156. **The Use of Stem Cells in Sports Medicine.** 1st Annual Cartilage Regeneration Symposium. San Francisco, CA, November, 2013.
157. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomaterials,** Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 2014.
158. **The Effect of Platelet Rich Plasma Formulations on Human Synoviocytes,** Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March, 2014.
159. **MPFL Repair versus Reconstruction for Recurrent Patellar Instability: Two-year Results of an Algorithm Based Approach.** Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
160. **Relaxin signaling in female versus male human anterior cruciate ligament cells.** Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
161. **The Effect of Platelet Rich Plasma Formulations and Blood Products on Human Synoviocytes.** Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
162. **Symposium: What can you Safely Inject into Joints in 2014?** Annual Meeting of the Arthroscopy Association of North America, Hollywood, FL, May 2014.
163. **Diagnostic performance of a 3D FSE T2 and T1rho Sequence for Quantitative Mapping of Articular Cartilage Composition for the Detection of Morphological Internal Knee Derangements.** International Society for Magnetic Resonance in Medicine, Milan, IT, May 2014.
164. **Symposium: ESSKA Guidelines for PRP Use.** 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
165. **Biomechanical Risk Factors for ACL Rupture in Female Lacrosse and Field Hockey athletes.** 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
166. **Repair versus Reconstruction for Recurrent Lateral Patellar Instability.** 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
167. **Chondrogenesis using FDA-approved Biomaterials.** 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014

168. **The Effect of Platelet Rich Plasma Formulations and Blood Products on Human Synoviocytes.** 16th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Amsterdam, Netherlands 5/2014
169. **The Future of PRP.** 5th Annual PRP & Regenerative Medicine Symposium, Las Vegas, NV 6/2014.
170. **The Use of Stem Cells in the Aging Athlete, American Academy of Orthopaedic Surgeons Aging Athlete Course.** San Diego, CA 6/2014.
171. **Platelet Rich Plasma Therapy.** American Academy of Orthopaedic Surgeons Aging Athlete Course, San Diego, CA 6/2014.
172. **Maximizing the Results of Arthroscopy when treating Pain from Osteoarthritis.** American Academy of Orthopaedic Surgeons Aging Athlete Course, San Diego, CA 6/2014.
173. **Mechanoreceptor Re-innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction.** American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA 7/2014
174. **The Quest to Prevent Female ACL Tears.** VuMedi, The Event. San Francisco, CA 11/2014.
175. **The Future of PRP.** VuMedi, The Event. San Francisco, CA 11/2014.
176. **The Use of Stem Cells in Orthopedic Practice.** 2nd Annual Cartilage Symposium. San Francisco, CA 11/2014.
177. **The Future of PRP.** 2nd Annual Cartilage Symposium. San Francisco, CA 11/2014.
178. **Update on Modern Microfracture Technique and Theory.** Orthopaedics Today Annual Conference. Kauai, HI, 1/2015
179. **Staying Out of Trouble with the Use of Local Anesthetics.** Orthopaedics Today Annual Conference. Kauai, HI, 1/2015
180. **The Use of Stem Cells and PRP in Modern Practice.** Orthopaedics Today Annual Conference. Kauai, HI, 1/2015
181. **Optimizing Results of Arthroscopy for Treatment of OA.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2015
182. **Update on Modern Microfracture Technique and Theory.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2015
183. **The Future of PRP Therapy.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2015
184. **How to Use Stem Cell Therapy in your Practice NOW.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2015
185. **MPFL Repair versus Reconstruction.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2015
186. **Symposium: Cell-Based Therapies in Orthopaedics: Common Sense Approach for the Practicing Orthopaedic Surgeon.** AAOS Annual Meeting, Las Vegas, NV 3/2015
187. **The Effect of Donor Age on Structural and Mechanical Properties of Allograft Tendons.** AAOS Annual Meeting, Las Vegas, NV 3/2015

188. **Cell Based Treatment of Cartilage Lesions.** International Cartilage Symposium. Reykjavic, Iceland 5/2015.
189. **Webinar: Cell Based Treatment of Cartilage Lesions.** Orthopaedic Research Society 2/2015.
190. **Webinar: The Use of Stem Cells and PRP for Cartilage Restoration.** AAOS cartilage symposium 4/2015
191. **Return to Play of Elite Football Players after Multi-ligament Reconstructions of the Knee.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
192. **Relaxin Signaling in Female Versus Male Human Anterior Cruciate Ligament Tenocytes.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
193. **The Effect of Donor Age on the Structural and Mechanical Properties of Allograft Tendons.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
194. **Mechanoreceptor Re-Innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
195. **Quantitation Of Progenitor Cells After Bone Marrow Aspirate Concentration.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
196. **Arthroscopic Harvest of Stem Cells from the Infrapatellar Fat Pad.** Tenth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Lyon, France, May 2015.
197. **Quantitation Of Progenitor Cells After Bone Marrow Aspirate Concentration.** OrthoBiologic Institute Annual Conference. Las Vegas, NV. June 2015.
198. **The Use of Stem cells and PRP for Cartilage Regeneration.** American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL. July 2015.
199. **Symposium: The Use of Biologics for Intra-articular Disease.** American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL. July 2015.
200. **The Future of Platelet Rich Plasma.** AAOS Biologics Symposium, Rosemont, IL. 11/2015
201. **ACL Reconstruction in High Performance Athletes.** JOJ Kaiser Permanente Annual Conference. Berkeley, CA 11/15
202. **Autograft ACL Reconstruction in Young Athletes.** VuMedi the Event Conference, San Francisco, CA 11/15
203. **Where to Place the Femoral Tunnel in ACL Reconstruction.** VuMedi the Event Conference, San Francisco, CA 11/15
204. **Cartilage Regeneration Techniques.** Orthopaedics Today Annual Conference. Kona, HI, 1/2016
205. **Meniscal Repair Techniques.** Orthopaedics Today Annual Conference. Kona, HI, 1/2016

206. **Modern Meniscal Repair.** 17th Annual AAOS/AOSSM Sports Medicine Course, Steamboat Springs, CO 1/16
207. **Arthroscopic DeNovo Cartilage Restoration.** 17th Annual AAOS/AOSSM Sports Medicine Course, Steamboat Springs, CO 1/16
208. **Optimizing Stem Cell Harvest.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2016
209. **Treatment of the Subchondral Bone-Subchondroplasty.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2016
210. **Single-stage Revision ACL Reconstruction.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2016
211. **Choosing the Right PRP Product for your Patient.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2016
212. **MPFL Repair Techniques.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 3/2016
213. **Cell Therapies for the Treatment of Musculoskeletal Disease.** AAOS Annual Meeting, Orlando, FL 3/2016
214. **Bilateral Assessment of Cartilage with UTE T2* Quantitative MRI and Relationships with Walking Mechanics Two Years after Anterior Cruciate Ligament Reconstruction.** AAOS Annual Meeting, Orlando, FL 3/2016
215. **Biologic Treatment of Orthopaedic Injuries.** AAOS Annual Meeting, Orlando, FL 3/2016
216. **The Use of Biologics for Rotator Cuff Repair.** AANA Specialty Day. AAOS Annual Meeting, Orlando, FL 3/2016
217. **The Use of Platelet-Rich and Platelet-Poor Plasma to Enhance Differentiation of Skeletal Myoblasts: Implications for the Use of Autologous Blood Products for Muscle Regeneration.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
218. **Biomechanical Effects of an ACL Injury Prevention Program on Youth Female Soccer Athletes.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
219. **Mechanoreceptor re-innervation Following Allograft versus Autograft Anterior Cruciate Ligament Reconstruction.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
220. **The Effect of Foot Position on Biomechanical Risk Factors for Anterior Cruciate Ligament Injury.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
221. **Arthroscopic Harvest of Adipose Derived Stem Cells from the Infrapatellar Fat Pad.** 17th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Barcelona, Spain 5/2016
222. **The Modern Use of PRP in Orthopaedic Surgery.** American Academy of Orthopaedic Surgery Webinar. 5/2016

- 223. **The Use of PRP and Stem Cells in Orthopaedic Medicine.** California Orthopaedic Association Annual Meeting, 5/2016.
- 224. **Formulation Specific PRP.** OrthoBiologic Institute Annual Conference. Las Vegas, NV. 6/2016.
- 225. **The Use of PRP and PPP for Muscle Regeneration.** AOSSM Annual Meeting, Colorado Springs, CO, 7/2016.
- 226. **Return to Play after Shoulder Instability Surgery in NCAA Division I Intercollegiate Football Athletes.** AOSSM Annual Meeting, Colorado Springs, CO, 7/2016.
- 227. **Characterization Of Mesenchymal Stem/Stromal Cells in Bone Marrow Aspirate Concentrates.** Western Orthopaedic Association. 9/2016.
- 228. **The Utility of Lateral Releases.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 2/2017.
- 229. **Meniscal Root Repair in the Middle-Aged Patient.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 2/2017.
- 230. **How to Treat a Stiff Knee.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 2/2017.
- 231. **Cell Based Treatments for Cartilage Defects.** Winter Metcalf/AANA meeting, Salt Lake City, UT, 2/2017.
- 232. **The Use of Platelet-Rich and Platelet-Poor Plasma to Enhance Differentiation of Skeletal Myoblasts.** AAOS Annual Meeting, San Diego, CA 3/2017
- 233. **The Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications.** AAOS Annual Meeting, San Diego, CA 3/2017
- 234. **Biomechanical Effects of an ACL Injury Prevention Program on Youth Female Soccer Athletes.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
- 235. **The Use of Platelet-Rich and Platelet-Poor Plasma To Enhance Differentiation Of Skeletal Myoblasts: Implications For The Use Of Autologous Blood Products For Muscle Regeneration.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
- 236. **Characterization of Stem Cell Yield after the Use of Commercial Bone Marrow Aspirate Concentration Devices.** 11th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Shanghai, China 5/2017
- 237. **Use of PRP in Sports Medicine.** AOSSM Annual Meeting, Toronto, CAN, 7/2017.
- 238. **Quantification of Stem Cells in Bone Marrow Aspirate Concentration.** AOSSM Annual Meeting, Toronto, CAN, 7/2017.
- 239. **Chondrotoxicity Injectable NSAIDs and Narcotics.** AOSSM Annual Meeting, Toronto, CAN, 7/2017.
- 240. **Cellular Therapy for Cartilage Regeneration.** Napa Pain Conference. Napa, CA 8/2017.
- 241. **Cellular Therapy for Cartilage Regeneration.** Combined AAOS/AOSSM/AANA Winter conference. Park City, UT 1/2018
- 242. **What Not to Miss on Pre-participation Physical Exams.** Combined AAOS/AOSSM/ AANA Winter conference. Park City, UT 1/2018

243. **Biologics for Sports Injuries.** Winter SKS Meeting, Salt Lake City, UT 2/2018
244. **Biologic Augmentation for Rotator Cuff Repairs.** Winter SKS Meeting, Salt Lake City, UT 2/2018
245. **Cellular Therapy for Cartilage Regeneration.** Winter SKS Meeting, Salt Lake City, UT 2/2018
246. **The Modern Use of Viscosupplementation and Corticosteroids.** Winter SKS Meeting, Salt Lake City, UT 2/2018
247. **Symposium: Stem Cell Biology.** AAOS Annual Meeting, New Orleans, LA 3/2018
248. **The Future of Rotator Cuff Repair.** AAOS Annual Meeting, New Orleans, LA 3/2018
249. **Biologic Augmentation of Rotator Cuff Repairs.** AOSSM/AANA Specialty Day, New Orleans, LA 3/2018
250. **Biologic Augmentation of Rotator Cuff Repairs.** Arthroscopy Association of North America Annual Meeting. Chicago, IL 4/2018
251. **The Future of Biologic in Orthopaedic Surgery.** Arthroscopy Association of North America Annual Meeting. Chicago, IL 4/2018
252. **Biologics and OA: What is the Evidence?** AOSSM Annual Meeting, San Diego, CA 7/2018.
253. **The Use of Biologics for Chondral Defects and Meniscal Tears.** AOSSM Annual Meeting, San Diego, CA 7/2018.
254. **Current Update on Biologic Augmentation Approaches for Soft Tissue Healing: A Case-Based Approach.** AOSSM Annual Meeting, San Diego, CA 7/2018.
255. **The Future of PRP.** Vail Regenerative Medicine Symposium, Vail, CO 8/2018.
256. **The Use of Biologics in Rotator Cuff Repair.** Orthopedics Today Annual Meeting, Waikoloa, HI, 1/2019.
257. **Decision Making in Cartilage Regeneration.** Orthopedics Today Annual Meeting, Waikoloa, HI, 1/2019.
258. **The Use of OrthoBiologics in Sports Medicine.** Dale Daniels Kaiser Symposium, Newport Beach, CA 2/2019.
259. **Biologics for Sports Injuries.** Winter SKS Meeting, Salt Lake City, UT 2/2019.
260. **The Modern Use of Viscosupplementation and Corticosteroids.** Winter SKS Meeting, Salt Lake City, UT 2/2019.
261. **Cellular Therapy for Cartilage Regeneration.** Winter SKS Meeting, Salt Lake City, UT 2/2018.
262. **The Future of Rotator Cuff Repair.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
263. **Stem Cells: Hype or Reality.** Knee Society Specialty Day, AAOS Annual Meeting, Las Vegas, NV 3/2019.
264. **PRP for Patellar Tendinopathy: a Multi-Center Double-Blind RCT.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
265. **The Effect of Oral Contraceptives on ACL Strength.** AAOS Annual Meeting, Las Vegas, NV 3/2019.

266. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older patients with Meniscal Root Tears.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
267. **Biologic Treatment of Patellar Tendinopathy.** ORS Symposium, AAOS Annual Meeting, Las Vegas, NV 3/2019.
268. **The Regulatory Environment of Biologics.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
269. **Biologic Joint Preservation of the Knee.** AAOS Annual Meeting, Las Vegas, NV 3/2019.
270. **Biologics and OA: What is the Evidence?** AAOS Annual Meeting, Las Vegas, NV 3/2019.
271. **Solutions for Rotator Cuff Repair: Now and the Future.** Arthroscopy Association of North America Annual Meeting. Orlando, FL 4/2019.
272. **Masters Update: Biologics.** Arthroscopy Association of North America Annual Meeting. Orlando, FL 4/2019.
273. **The Use of Biologics for Osteoarthritis.** Arthroscopy Association of North America Annual Meeting. Orlando, FL 4/2019.
274. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older patients with Meniscal Root Tears.** 12th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. Cancun, Mexico 5/2017.
275. **The Effect of Oral Contraceptive Hormones on Anterior Cruciate Ligament Strength.** 12th Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine. Cancun, Mexico 5/2017.
276. **The Cutting Edge: Biologics Symposium.** California Orthopaedic Association Annual Meeting. Laguna Niguel, CA 5/2019.
277. **Outcomes of Arthroscopic All-Inside Repair vs Observation in Older patients with Meniscal Root Tears.** AOSSM Annual Meeting, Boston, MA 7/2019.
278. **Orthobiologics from Leaders in the Field Symposium.** California Orthopaedic Association Virtual Annual Meeting/QME Course CBones Virtual Annual Meeting. 5/2021.
279. **Basic Science and Implementation for Sports Medicine Injuries and Surgery: Innovation Symposium.** AOSSM-AANA/BA Summit Combined Annual Meeting. Nashville, TN. 7/2021.
280. **Adipose Complication: Innovation Symposium.** AOSSM-AANA/BA Summit Combined Annual Meeting. Nashville, TN. 7/2021.
281. **Arthroscopic: Innovation Symposium.** AOSSM-AANA/BA Summit Combined Annual Meeting. Nashville, TN. 7/2021.
282. **From the Bench to the Operating Room: Optimizing Rotator Cuff Healing.** AOSSM-AANA/BA Summit Combined Annual Meeting. Nashville, TN. 7/2021.
283. **Biologics in Rotator Cuff Repair: Magic or Mischief?** AAOS Annual Meeting. San Diego, CA. 8/2021
284. **Flash Five: What's Coming Down the Pike.** AAOS Annual Meeting. San Diego, CA. 8/2021.
285. **Biologic Joint Preservation.** AAOS Annual Meeting. San Diego, CA. 9/2021.

286. **Engagement Theater: Biologics and Regenerative Medicine.** AAOS Annual Meeting. San Diego, CA. 9/2021.
287. **The Role of Biologics in Sports Medicine: Intraoperative Use Adipose/Bone Marrow/PRP.** AAOS Annual Meeting. San Diego, CA. 9/2021.
288. **Optimizing Arthroscopic Treatment of Osteoarthritis.** University of Colorado Sports Medicine Symposium. Boulder, CO. 9/2021.
289. **Modern Use of Biologics in the Knee.** University of Colorado Sports Medicine Symposium. Boulder, CO. 9/2021.
290. **Looking into the Future of Regenerative Medicine for Human Musculoskeletal Injuries.** NAVRMA Conference. Boulder, CO. 9/2021.
291. **Future of Non-Surgical OA Treatments. Future Strategies to Pave the Way for the Next Generation of Biologic Medicine.** Orthobiologics Symposium. Rosemont, IL. 10/2021.
292. **Where are we now in Regenerative Orthopedics – What to use and when.** ICCA Congress. Cartagena, Columbia. 10/2021.
293. **The Current State and Future of Regenerative Medicine.** Colorado Orthopaedic Society Virtual Annual Meeting. Colorado. 10/2021.
294. **Knee Sports, Cartilage and Biologics. Leukocyte Poor PRP: How many papers do I have to write. Join my Bandwagon.** Orthopaedic Summit Evolving Techniques 2021. Las Vegas, NV. 12/2021.
295. **Orthopaedic Rehabilitation. Don't be silly, Fix the Achilles and Move on.** Orthopaedic Summit Evolving Techniques 2021. Las Vegas, NV. 12/2021.
296. **Flash Five: What's Coming Down the Pike.** AAOS 2022 Annual Meeting. Chicago, IL. 3/2022
297. **Flash Five: What's Coming Down the Pike.** AAOS 2022 Annual Meeting. Chicago, IL. 3/2022
298. **Injectables in the Management of Osteoarthritis of the Knee: What Works, What is Recommended, What is US Food and Drug Administration Approved.** AAOS 2022 Annual Meeting. Chicago, IL 3/2022
299. **Biologics in Rotator Cuff Repair: Magic or Mischief?** AAOS 2022 Annual Meeting. Chicago, IL 3/2022
300. **Defend Your Position: The FDA Says Orthobiologics May Have No Value - Prove It to Me & The Audience, The FDA is Wrong.** OSET 2022 Annual Meeting. Boston, MA 9/2022
301. **Autologous Micro-Fragmented Adipose Tissue for The Mild Arthritic Knee: You Can Finally Sigh Relief.** OSET 2022 Annual Meeting. Boston, MA 9/2022
302. **Evolving Technique Update: Understanding Where We Are In 2022 & My Predictions for The Next 3 Years for Biologics in The OA Knee & For Augmentation To Help Our Patients - I Stand By My Predictions.** OSET 2022 Annual Meeting. Boston, MA 9/2022
303. **Juvenile Particulated Cartilage Allograft: Open the Package & Off We Go!** OSET 2022 Annual Meeting. Boston, MA 9/2022
304. **Early Arthritis & Innovation to Treat the Young Patient.** OSET 2022 Annual Meeting. Boston, MA 9/2022

305. **OMG! PRP With an HA Gel Will Solve the Problem: Keep It Simple, The Body Knows How to Heal.** OSET 2022 Annual Meeting. Boston, MA 9/2022
306. **How I Use Biologics in My Practice: Biologics for Chronic Tendinopathy.** AANA/BA Specialty Day. Las Vegas, NV 3/2023
307. **PRP and Emerging Blood-Based Formulations: Introduction: Different Types of PRP and When to Use It.** AANA/BA Specialty Day. Las Vegas, NV 3/2023
308. **PRP and Emerging Blood-Based Formulations** AANA/BA Specialty Day. Las Vegas, NV 3/2023
309. **Injectables in the Management of Osteoarthritis of the Knee (OAK): What Works, What is Recommended, What is FDA Approved.** AAOS 2023 Annual Meeting. Las Vegas, NV 3/2023
310. **Specialty Program - AANA.** AANA/BA Specialty Society Program. AANA Las Vegas, NV 3/2023
311. **AAOS and Biologics Alliance Present: Use of Orthobiologics in Your Practice.** AANA Las Vegas, NV 3/2023
312. **Orthopaedic Use of Biologics: A 2023 Update.** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
313. **Roundtable Schedule: "How to Get Started in Research"** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
314. **The Aging Athlete - The Early Arthritic Lateral Compartment: Can Osteotomy Really Restore My Patient's Function?** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
315. **The Aging Athlete - Arthroscopic All-Inside Meniscal Root Repair: A Biomechanical Analysis and Prospective Cohort Study.** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
316. **What is a Likely Responder to PRP? Translating Best Available Clinical Evidence into Patient Communications: Safety and Efficacy Messaging.** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
317. **Orthobiologics in Clinical Practice: Knee.** 2023 AANA Annual Meeting. New Orleans, LA 5/2023
318. **Cell-Based Therapies and Tissue Engineering.** 22nd Annual Short Course, Case Western Reserve University's Skeletal Research Center Webinar 5/2023
319. **The Role of Biologics in the Knee Pathology: "Can You Handle the Truth?"** AANA/SOMOS Knee Course, Orthopaedic Learning Center Rosemont, IL 8/2023
320. **Micronized Adipose Tissue (mFAT) for the Treatment of Cartilage Defects and OA Symptoms** AOSSM Annual Meeting, Washington DC 7/2023
321. **Hype, Promise, and Reality: Orthopedic Use of Biologics in 2023** AOSSM/Biologics Meeting, Washington DC 7/2023
322. **A Biomechanical Comparison of All-Inside versus Transtibial Meniscal Root Repair Techniques (Poster)** AOSSM/Biologics Meeting, Washington DC 7/2023
323. **The Role of Biologics in the Knee Pathology: "Can You Handle the Truth?"** AANA/SOMOS Knee Course, Rosemont IL 8/2023

324. **Biologic Strategies for Cartilage Restoration, (Poster)** CU Sports Medicine Symposium, Boulder CO 9/2023
325. **Rationale for tissue preservation, Biologics & augmentation considerations, Cartilage and Meniscal Transplantation, Surgical Video Examples, Rehabilitation Protocols & Unloading Considerations Discussions**, OSSUR Presentation, 1/2024
326. **Orthobiologics as Adjuncts and Primary Treatment**, Extremity War Injuries XVII Symposium, Washington DC 1/2024
327. **Post Traumatic Osteoarthritis and Knee: Orthobiologics as Adjuncts and Primary Treatment**, Extremity War Injuries XVII Symposium, Washington DC 1/2024
328. **The Science Behind PRP Responders vs. Non-Responders**, IOF Orthobiologics Meeting, Scottsdale AZ 2/2024
329. **Injectables in the Management of Osteoarthritis of the Knee (OAK): What Works, What is Recommended, What is FDA Approved**, AAOS Annual Meeting 2024, San Francisco, CA 2/2024
330. **Modern Use of Biologics for Cartilage Restoration or Treatment of OA Symptoms**, Rocky Mountain Academy of Occupational and Environmental Medicine, Aurora CO 3/2024
331. **Use of Biologics to Treat Soft Tissue & Bony Abnormalities in the Future. Session: Symposium 12: Future Technologies in Foot & Ankle Sports Medicine**, AOFAS Course, Boulder CO 4/2024
332. **Emerging Biologic Solution to Treat Knee OA Symptoms**, Organogenesis Presentation, AANA. Boston MA 5/2024
333. **Debate #1: 25 Yr Old Female with Incidental 1.2 x 1.5cm LFC Defect Found During ACLR: Fix It Now or You'll Be Sorry**, AANA, Boston MA 5/2024
334. **Moximed Misha Innovation Theater Presentation: FDA Breakthrough for Knee OA: the Implantable Shock Absorber**, AANA, Boston MA 5/2024
335. **ICL302: Hype, Promise and Reality: Orthopaedic Use of Biologics in 2024**, AANA, Boston MA 5/2024
336. **The Aging Athlete, The Future is Now. 55 Yr Old Male, Boulder-Based, Ultrarunner with a Lateral Meniscus Root tear, Lateral tibial Plateau Bone Marrow Edema and Mild Tibia Plateau Chondromalacia: What I'm Doing in 2024**. AANA, Boston MA 5/2024
337. **IC304: How to Incorporate Orthobiologics in your Practice: Safe, Effective, and Ethical Instructional Course**, AOSSM, Denver CO 7/2024
338. **Orthobiologics: What Really Works/GAME CHANGER; Innovations in Orthopaedic Sports Medicine**, AOSSM, Denver CO 7/2024
339. **PRP: Ready for Prime Time**, Western Orthopedic Assn Symposium, Huntington Beach, CA 8/2024
340. **Do Biologics Enhance Healing for Upper Extremity Procedures?** CU Sports Medicine Symposium, Boulder CO 9/2024
341. **Pro: Adipose Cells: Fat is Where It Is At!** OSET Conference, Las Vegas, NV 9/2024

- 342. **Evolving Technique: Biologics for OA in 2024**, OSET Conference, Las Vegas, NV 9/2024
- 343. **Pro: Autologous Micro-Fragmented Adipose Tissue**, OSET Conference, Las Vegas, NV 9/2024
- 344. **Need of Joint Environment Control = PRP Is the Way**, ICRS Summit, Catania Italy 9/2024
- 345. **PRP: Responders/Not Responders Profiling**, ICRS Summit, Catania Italy 9/2024
- 346. **Arthroscopic Cartilage Regeneration Techniques**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 347. **Use of Biologics for Treatment of Tendinopathy and Muscle Injury**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 348. **Analysis of Responders vs Non-responders after PRP Treatment for OA Symptoms**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 349. **Treatment of Subchondral Bone Lesions**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 350. **Use of Adipose Tissue for Cartilage Restoration or Treatment of OA Symptoms**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 351. **Optimizing the arthroscopic treatment of OA**, Congreso Mexicano FEMECOT, Cancun MX 10/2024
- 352. **Arthroscopic Cartilage Resurfacing**, MTF Biologics / Conmed Lab, Surgical Taught Course, Denver, Jan 20th 2025
- 353. **Next Generation of PRP and Blood-Derived Therapy**, AAOS Annual Meeting, San Diego, CA, March 9-14, 2025
- 354. **Next Generation of Cartilage Regeneration Technology**, AAOS Annual Meeting, San Diego, CA, March 9-14, 2025
- 355. **Flash Five: Game Changers-Contemporary Tips and Techniques that will Impact Your Practice, Injectables/Orthobiologics**, AAOS Annual Meeting, San Diego, CA, March 9-14, 2025
- 356. **DIY Treatment for Patellofemoral Cartilage Injury**, AAOS Annual Meeting, San Diego, CA, March 9-14, 2025
- 357. **Modern Treatments of Tendinopathy and Muscle Injury**, AMSSM Annual Meeting Orthobiologics Pre-Conference, KC MO, April 23, 2025
- 358. **Modern Use of Biologics for Cartilage Restoration or Treatment of OA Symptoms**, Lenox Hill Orthopedic Department Grand Rounds, April 15, 2025
- 359. **Hype, Promise, and Reality: Orthopaedic of Biologics in 2025**, AANA Annual Meeting, Washington DC, May 9-11, 2025
- 360. **Biologics in the Knee; Options and Results**, AANA Annual Meeting, Washington DC, May 9-11, 2025.
- 361. **Prolonging the Joint Life of the Athlete: Biologics: PRP, Viscosupplementation, Injections: What Does the Evidence Show**, AANA Annual Meeting, Washington DC, May 9-11, 2025.

362. **The Joint Matters Most; Debate,** AANA Annual Meeting, Washington DC, May 9-11, 2025.
363. **The Science Behind Clinical Response to OrthoBiologics,** Herodicus Society Annual Meeting, Salzburg, Austria June 3-6, 2025.
364. **Platelet Rich Plasma (PRP): Why Do We Use it at Inverness?,** UCHHealth Staff, Denver June 2025.
365. **32 y/o Female Infantry with Acute ACL, PCL, and MCL Tears; Procedure-Specific PM Lab Station No. 4: PCL and Posterolateral Corner Reconstruction (2 Participants); Orthobiologics in the Treatment of Common Knee Pathologies: Cannon or Squirt Gun?** AAOS/SOMOS Knee Course, Chicago IL, Aug 2025.
366. **Orthobiologics, AI, and the Politics of Deregulation: What Does the MAHA Agenda Mean for Orthopaedics.** AAOS Combined NOLC/Fall Meeting, Washington DC, Sept 2025.
367. **Joint Preservation in the High Level Athlete: Does it Work?** CU Sports Medicine Fall Symposium, Boulder, CO, Sept 2025.
368. **A Multi-Center Biologics Association Registry and Biorepository of Platelet-Rich Plasma for the Treatment of Symptomatic Knee Osteoarthritis Among Civilian and Military Populations.** AANA/SOMOS/MAST Research Summit, Annapolis MD, Oct 2025.
369. **Anatomic Matching And Contouring Of Trochlear Osteochondral Allografts.** ICRS World Congress 2025, Boston MA, Oct 2025.
370. **Mini Battle: Cells vs Cellular Products - The Orange or the Juice.** ICRS World Congress 2025, Boston MA, Oct 2025.
371. **Orthobiologics 2026: Start of the Art.** AAOS Annual Meeting, New Orleans, LA, March 2026.
372. **Implantable Shock Absorber.** ISMF Conference 2026, Carlsbad, CA, Mar 2026.
373. **The Use of PPP for Muscle Injuries.** AMSSM CRN Research Summit, Seattle WA, Apr 2026.
374. **Point-Counter Point: PPP vs PRP –Hamstring Injuries.** AMSSM CRN Research Summit, Seattle WA, Apr 2026.
375. **The Data Behind the Use of mFAT (Micronized Adipose Tissue).** XCELL RISE Sports Medicine Symposium, Clearwater, FL, May, 2026.
376. **Harnessing the Power of Biologics with Plasma Concentration: The Next Generation of Biologics.** XCELL RISE Sports Medicine Symposium, Clearwater, FL, May, 2026.
377. **The Good, Bad and the Ugly: Innovative and Responsible Use of Orthobiologics in 2026.** AANA Annual Meeting, Phoenix, AZ, May, 2026.
378. **AAOS Orthobiologic Registry-BARB MAST Update.** AANA Annual Meeting, Phoenix, AZ, May, 2026.
379. **RCT of Arthroscopy With vs. Without Subchondroplasty for Bone Marrow Lesions in the Knee.** AANA Annual Meeting, Phoenix, AZ, May, 2026.
380. **The Adipose Paper That Has Most Influenced My Practice and Why.** Biological Association Summit, Phoenix, AZ, May 2026.

381. **Putting It All Together: What Should I Use and When?** Biological Association Summit, Phoenix, AZ, May 2026.
382. **Muscle Injuries - How to speed up recovery?** Biological Association Summit, Phoenix, AZ, May 2026.
383. **Presenter: Outcomes of Arthroscopic Particulated Juvenile Articular Cartilage Repair versus other Techniques for Full-Thickness Cartilage Lesions of the Knee.** Herodicus Society Annual Meeting, Yountville, CA, June 2026.
384. **The Biologic Association Biorepository Program (BARB),** OrthoBiologics and the Modern Athlete – Optimizing Evidence, Recovery, and Return to Play Symposium at the AOSSM Annual Meeting, Seattle, WA, July 8, 2026.
385. **Orthobiologics in 2026: Signal Versus Noise.** AOSSM Seattle, WA, July 2026.

Visiting Professorships

1. UC Davis, Department of Orthopaedic Surgery, Sacramento, CA 4/14
2. West Point Army Academy, West Point, NY 9/14
3. Steadman Clinic, Vail Colorado 2/16
4. Ohio State University, Department of Orthopaedic Surgery, Columbus, OH 4/16
5. Malcolm B. Coutts Visiting Professorship of the San Diego Orthopaedic Society, Scripps Institute, San Diego, 1/17
6. Harvard University, Department Orthopedic Surgery, Boston, MA, 4/17
7. Oregon Association of Orthopedic Surgeons, Portland, OR, 11/19
8. Columbia University, Department Orthopedic Surgery, New York, NY 10/21
9. FEMECOT Keynote Guest, Cancun, MX 10/2024

Patents (1 of 1)

1. US Patent: **U.S. Serial No. 10/651,564 corresponds to PCT application No. PCT/US00/06232, Chondrogenic Induction of Adipose Derived Stem Cells**