Jason Louis Dragoo, MD

A. Academic History

1. Colleges and universities attended, degrees received, dates

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

2. Scholarships and honors

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

3. 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

4. Board eligibility and boards passed, with date(s)

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

5. Other study and research opportunities

2003	Shriners Hospital for Children Educational Grant Investigation of treatments for osteochondral defects in children using stem cells
2005	InScope Innovative Scientific Centers of Orthopaedic Excellence, Orthopeadic Research Grant, $30,000
2006	Omeros Corporation Clinical Grant to study post-operative pain control after ACL reconstruction, $142,000
2005	Arthroscopy Association of North America Research Grant Award, $25,000
2010	Partnership for clean competition, World Anti-Doping Association Grant- $36,000
2010	Ossur of the Americas Osteoarthritis Grant- $120,000
2012	Sanofi-Stanford BioSTAR Program Grant- $150,000 Rapid and Durable Integration of Cartilage Implants Using Photochemical Bonding
2012	NIH 1R21AR06387601A1- $500,000 Rapid Integration of Articular Cartilage Implants Using Photochemical Bonding

B. Employment History

1992-1993	Rehabilitation Specialist FutureCare Physical Medicine Clinic Phoenix, AZ
1993-1994	Faculty Long Medical Institute Physical Therapy Aide Education Program Phoenix, AZ
2005-2012	Assistant Professor Stanford University Department of Orthopaedic Surgery Division of Sports Medicine Palo Alto, CA

2012-curr	Associate Professor Stanford University Department of Orthopaedic Surgery Division of Sports Medicine Palo Alto, CA

C. 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
2006	Team Physician Colorado Rockies Training Camp
2005	Head Orthopaedic Surgeon Tucson Professional Rodeo
2007-Present	**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
2007-present	Consultant, Genzyme Corporation
2009-present	Consultant, Ossur Corporation
2010-present	**Level III physician, US Olympic Committee**
2011-present	**Elected, Research Committee American Orthopaedic Society for Sports Medicine**
2011	**Editor, 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**

D. Post-degree honors and awards, including memberships in professional organizations

2005	InScope Innovative Scientific Centers of Orthopaedic Excellence Orthopaedic Fellowship 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 Research Society
2008	Listed, Consumers Research Council of America's "Top US Orthopeadic Surgeons"
2007	AOSSM/ESSKA European Traveling Fellowship Award
2010	American Orthopaedic Society for Sports Medicine Young Investigators Award, for Research on Post-ACL Tear Osteoarthritis
2010	**United States Olympic Committee Level III Physician, Volunteer Services**
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

E. Scholarship

1. Peer-reviewed articles (47 of 47 Total)

1. **Dragoo JL**, Samimi B, Zhu M, Hame SL, Thomas BJ, Lieberman JR, Hedrick MH, Benhaim P. (2003). "Tissue-engineered cartilage and bone using stem cells from human infrapatellar fat pads". *J Bone Joint Surg*, 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. (2003). "Comparison of multi-lineage cells from human adipose tissue and bone marrow". *Cells Tissues Organs*, 174(3):101-9.

3. **Dragoo JL**, Choi JY, Lieberman JR, Huang J, Zuk PA, Zhang J, Hedrick MH, Benhaim P. (2003) "Bone induction by BMP-2 transduced stem cells derived from human fat". *J Orthop Res*, July; 21(4):622-9.

4. McAllister DR, Tsai AM, **Dragoo JL**, McWilliams J, Dorey FJ, Hame SL, Finerman GA. (2003). "Knee function after anterior cruciate ligament injury in elite collegiate athletes". *Am J Sports Med*, Jul-Aug; 31(4):560-3.

5. **Dragoo JL**, Lee RS, Benhaim P, Finerman GA, Hame SL. (2003) "Relaxin receptors in the human female anterior cruciate ligament". *Am J Sports Med*, Jul-Aug; 31(4):577-84.

6. Kay SP, **Dragoo JL**, Lee R. (2003). "Long-term results of arthroscopic resection of the distal clavicle with concomitant subacromial decompression". *Arthroscopy*, Oct; 19(8):805-9.

7. Carlson GA, **Dragoo JL**, Samimi B, Bruckner DA, Bernard GW, Hedrick M, Benhaim P. (2004). "Bacteriostatic Effect of Biomatrices on Common Orthopaedic Pathogens". *Biochem Biophys Res Commun*, Aug 20; 321(2):472-8.

8. **Dragoo JL,** Lieberman JL, Lee RS, Deugarte DA, Lee YP, Zuk PA, Hedrick MH Benhaim P. (2005). "Tissue-engineered bone from BMP-2-transduced stem cells derived from human fat". *Plast Reconstr Surg*, May; 115(6):1665-73.

9. Stevens KJ, **Dragoo JL**. (2006). "Anterior Cruciate Ligament Tears and Associated Injuries." *Top Magn Reson Imaging,* 17: 5: 347-362.

10. **Dragoo JL**, Carlson GA, McCormick F, Khan-Farooqi H, Zhu M, Zuk, PA, Benhaim P. (2007). "Healing Full-Thickness Cartilage Defects using Adipose Derived Stem Cells." *Tissue Engineering*, Jul; 13(7):1615-1621.

11. **Dragoo, JL**, Abnousi, F. (2008). "Disorders of the Suprapatellar Pouch of the Knee." Knee. 2008 Oct; 15(5): 348-54.

12. **Dragoo JL**, Korotkova T, Kanwar R, Wood, B. (2008). "The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability." Am J Sports Med. Aug; 36(8): 1484-8.

13. Steadman JR, **Dragoo JL**, Briggs KK, Hines SL. (2008). "Arthroscopic release for symptomatic scarring of the anterior interval of the knee." Am J Sports Med. Sept; 36(9), pages 1763-9.

14. Bales CP, Matheson G, Ouyang D, **Dragoo JL.** (2008). "College Football Player with Unstable C1 Fracture: A Case Report." Am J Sports Med. Sept; 36(9), pages 195-8.

15. **Dragoo JL,** Padrez K, Workman R; Lindsey DP. (2008). "The Effect of Relaxin on the Female Anterior Cruciate Ligament Part II: Analysis of mechanical properties in an animal model." Knee. Volume 16, Issue 1: 69-72.

16. Vaughn ZD, Schmidt J, Lindsey DP, **Dragoo JL**. (2009). "Biomechanical Evaluation of a one-stage ACL Revision Technique Using a Structural Bone Void Filler." Arthroscopy. Sep; 25(9): 1011-8.

17. Hamman D, Lindsay DP, **Dragoo JL**. (2011). "Biomechanical analysis of bicortical versus unicortical locked plating of mid-clavicular fractures." Arch Orthop Trauma Surg. Volume 131, Issue 6, Page 773.

18. **Dragoo JL**, Korotkova T, Jagadish A. (2010). "Chondrotoxicity of low pH, epinephrine, and preservatives found in local anesthetics containing epinephrine." Am J Sports Med. Jun; 38(6):1154-9.

19. **Dragoo JL**, Phillips C, Schmidt JD, Scanlan SF, Blazek K, Steadman JR, Williams A. (2010). "Mechanics of the Anterior Interval of the Knee using Open Dynamic MRI." Clin Biomech. Jun; 25(5):433-7.

20. **Dragoo JL**, Braun H (2010). "The Effect of Playing Surface on Injury Rate: A review of the current literature." Sports Med. Nov 1; 40(11):981-90.

21. **Dragoo JL,** Pun SY (2010). Effect of bupivacaine on chondrocyte viability. Spine J. 10(2): 172-173.

22. **Dragoo JL**, Miller MD, Vaughn ZD, Handley E (2010). "Restoration of Knee Volume Using Selected Arthroscopic Releases." Am J Sports Med. Nov; 38(11):2288-93.

23. **Dragoo JL**, Castillo TN, Korotkova TA, Purnell AC, Stewart DR (2011). "Trends in serum relaxin concentration among elite collegiate female athletes." Int J Womens Health. Jan 19; 3:19-24.

24. Koo S, Hargreaves BA, Gold GE, **Dragoo JL** (2011). "Fabrication of Custom-Shaped Grafts for Cartilage Regeneration." Int J Artif Organs. Oct; 33(10):731-7.

25. Castillo TN, Pouliot MA, Kim HJ, **Dragoo JL** (2011). "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. (2011). "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**. (2011). "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[1], Kim HJ, Pouliot MA, Harris AH, **Dragoo JL**. "The Effect of Local Anesthetic and Corticosteroid Combinations on Chondrocyte Viability." Knee Surg Sports Traumatol Arthrosc. 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, Odegaard 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, Bartlinksi SE, Harris AH. "Acromioclavicular joint injuries in NCAA football: Data from the 2004 through 2009 NCAA Injury Surveillance System." Am

J Sports Med. 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. 2012 Jun 29. PMID: 22744434

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. 2012 Jun 21. PMID: 22717739

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. 2012 Aug 31.

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. 2012 Aug 21.

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. 2012, Nov 9.

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

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. In press.

48. Hunt KJ, George E, Sox-Harris A, Dragoo JL. "Incidence and risk factors for turf toe injuries in intercollegiate football: Data from the National Collegiate Athletic Association Injury Surveillance System." Foot Ankle Int

49. Chu CR, Bennyon 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.

50. Leatherwood WE, **Dragoo JL**. "Effect of airline travel on performance: a review of the literature." Br J Sports Med. 2012 Nov 9.

51. Braun HJ, **Dragoo JL**, Hargreaves BA, Levenston ME, Gold GE. Application of

Advanced Magnetic Resonance Imaging Techniques in Evaluation of the Lower Extremity. Radiologic Clinics of North America. 2013

52. Wasterlain AS, Braun HJ, Harris HS, Kim HJ, **Dragoo JL**. "The Systemic Effects of Platelet-Rich Plasma Injection." Am J Sports Med. 2012 Dec 4.

2. Non-peer-reviewed articles (1 TOTAL)

1. *Motion Magazine* Article. (2004). "Developing the Next Generation of Joint Replacements. Tissue Engineered Joint Resurfacing using Stem Cells."

3. Textbooks (3 of 3 Total)

1. **Dragoo, Jason L.** (1992). Handbook of Sports Medicine. Tempe, AZ: Renaissance Publishing. ISBN: 9637144-0-6

2. **Dragoo, Jason L.** (2011). Modern Arthroscopy, edited by Jason L. Dragoo: InTech Publishing. ISBN: 978-953-307-771-0

3. **Dragoo, Jason L.** (2012). Handbook of Sports Medicine, 2nd Edition. Stanford University Publishing. ISBN: 9637144-0-6

4. Book chapters (3 of 3 Total)

1. Golish SR, **Dragoo JL**, Gwathmey FW, Miller MD. Chapter 3: Shoulder. In: Miller MD, Hart JA. Smart: Sports Medicine Assessment and Review Textbook. Elsevier. 2011.

2. **Dragoo JL**. Arthroscopic Soft Tissue Releases. In: Modern Arthroscopy, edited by Jason L. Dragoo: InTech Publishing. ISBN: 978-953-307-771-0

3. Chen, E, **Dragoo JL**. Advances in Anterior Cruciate Ligament Surgery: Current Concepts and Evolving Approaches. Chapter 9: Graft Healing in Anterior Cruciate Ligament Reconstruction.

5. Abstracts (92 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. **In-Vitro Osteogenesis of BMP-2 Transfected Human Stem Cells**, Plastic Surgery Research Council, Milwaukee, Wisconsin 6/01, oral presentation.

4. **In-Vitro Osteogenesis of BMP-2 Transfected Human Stem Cells**, 2001 Annual American Orthopaedic Association Meeting, West Palm Beach, FL 6/01, poster presentation.

5. **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.

6. **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.

7. **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.

8. **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.

9. **Bone Induction by BMP-2 Transduced Stem Cells Derived from Human Fat,** Orthopaedic Research Society, Dallas, TX 2/02, oral presentation.

10. **Relaxin Receptors in the Human Female ACL,** Orthopaedic Research Society, Dallas, TX 2/02, poster presentation.

11. **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.

12. **Cartilage Tissue Engineering using Stem Cells Derived from Human Fat,** 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.

13. **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.

14. **Optimal Cartilage Induction Media using Stem Cells Derived from Human Fat,** 47th Annual Plastic Surgery Research Council, Boston, Massachusetts 4/02, oral presentation.

15. **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.
16. **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.

17. **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.

18. **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.

19. **Comparison of Multi-lineage Cells from Human Adipose and Bone Marrow,** Orthopaedic Research Society, New Orleans, LA 2/03, poster presentation.

20. **Cartilage Induction using Fat-Derived Stem Cells,** Orthopaedic Research Society, New Orleans, LA 2/03, oral presentation.

21. **Articular Surface Repair using Stem Cells Derived from Human Fat,** Orthopaedic Research Society, San Francisco, CA 3/04, poster presentation.

22. **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.

23. Anterior Interval of the Knee, American Arthroscopy Association North America, Ft. Lauderdale, FL, Eposter, 5/06.

24. Biomechanics and Treatment of Anterior Interval Lesions of the Knee, American Orthopaedic Society for Sports Medicine, Hershey, PA, oral presentation 6/06.

25. 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.

26. The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability, International Cartilage Research Society, Warsaw, Poland, 9/07.

27. **The Effect of Relaxin on ACL Integrity**, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.

28. The Effect of Local Anesthetics Administered via Pain Pump on Chondrocyte Viability, 6th Combined Meeting of the Orthopaedic Research Societies, Honolulu, HI, 10/2007.

29. **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.

30. **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.

31. **Relationship between Knee Flexion Moment and Early Cartilage Changes in the ACL Reconstructed Knee.** American Society of Biomechanics Annual Meeting Stanford, CA, 3/2007.

32. **Sagital ACL Graft Orientation Influences Passive and Dynamic Anterior Tibial Translation**. American Society of Biomechanics Annual Meeting, Stanford, CA, 3/2007.

33. **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.

34. **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.

35. **The Effect of Relaxin on ACL Integrity**, American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, 7/2008.

36. **Age-Related Change in Growth Factor Levels in Platelet Rich Plasma,** Orthopaedic Research Society, Las Vegas, NV 2/2009.

37. **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.

38. **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.

39. **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.

40. **Restoration of Knee Volume Using Selected Arthroscopic Releases,** 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, 3/2010.

41. **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.

42. **The Effect of Relaxin on ACL Integrity,** 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6,2010.

43. **Fabrication of Custom-Shaped Grafts for Cartilage Regeneration,** 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6,2010.

44. **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.

45. **Restoration of Knee Volume Using Selected Arthroscopic Releases,** 14th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Oslo, Norway 6, 2010.

46. **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.

47. **Chondrotoxicity of Single Dose Corticosteroid Injections**, American Orthopaedic Society for Sports Medicine Annual Meeting, Providence, RI, 7/2010.

48. **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.

49. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA 2/2011.

50. **The Basic Science of Chondrotoxicity**, Symposium, 30th Annual Meeting, Arthroscopy Association of North America, San Francisco, CA 4/2011.

51. **Chondrotoxicity of Single Dose Corticosteroid Injections**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.

52. **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.

53. **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.

54. **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.

55. **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.

56. **Stem Cell Therapy in Orthopaedics 2011**, 2011 International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), Rio de Janeiro, Brazil 5/2011.

57. **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

58. **Chondrotoxicity of Single Dose Local Anesthetic Injections,** American Orthopaedic Society for Sports Medicine Annual Meeting, San Diego, CA 7/2011.

59. **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 Colombia, CA, June, 2012.

60. **The Chondrotoxicity of Single-Dose Local Anesthetic Injections**, 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA 2/2012.

61. **Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-Blind Randomized Controlled Trial**, Orthopaedic Research Society, San Francisco, 2/2012.

62. **Effect of Platelet-Rich Plasma Injection on Systemic Concentrations of Performance-Enhancing Growth Factors**, Orthopaedic Research Society, San Francisco, 2/2012.

63. **Local Anesthetics Activate Fibroblast-like Synoviocytes and Induce Matrix Metalloproteinase Production**, Orthopaedic Research Society, San Francisco, 2/2012.

64. **Local Anesthetics and Corticosteroids: A Chondrotoxic Combination,** Orthopaedic Research Society, San Francisco, 2/2012.

65. **The Chondrotoxicity of Single-Dose Local Anesthetics**, Orthopaedic Research Society, San Francisco, 2/2012.

66. **The Inflammatory Effect of Leukocyte-poor Versus Leukocyte-rich Platelet-Rich Plasma**, Orthopaedic Research Society, San Francisco, 2/2012.

67. **The Metabolic Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes,** Orthopaedic Research Society, San Francisco, 2/2012.

68. **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

69. **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

70. **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

71. **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

72. **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

73. **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

74. **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

75. **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

76. **The Chondrotoxic Effect of Single-Dose Local Anesthetics**, 15th European Society of Sports Traumatology Knee Surgery and Arthroscopy Congress, Geneva, Switzerland 5/ 2012

77. **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

78. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, International Cartilage Research Society, Montreal, Canada 5/2012

79. **Systemic Performance-Enhancing Effects of Platelet-Rich Plasma (PRP) Injection**, International Cartilage Research Society, Montreal, Canada 5/2012

80. **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.

81. **The Effect of Local Anesthetics on Synoviocytes: An indirect contributor to chondrolysis,** Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012.

82. **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

83. **The Chondrotoxicity of Local Anesthetic and Corticosteroid Combinations**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012

84. **The Chondrotoxicity of Single-Dose Local Anesthetics**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012

85. **The Inflammatory Effect of Leukocyte-Rich Versus Leukocyte-Poor Platelet-Rich Plasma**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012

86. **The Effect of Resveratrol on Juvenile and Osteoarthritic Chondrocytes**, Arthroscopy Association of North America Annual Meeting, Orlando, Florida, 5/2012

87. **T2 Relaxation Times in Medial Compartment Osteoarthritis using 3D Quantitative DESS (qDESS)**, International Society for Magnetic Resonance in Medicine, Melborne, Australia 5/2012

88. **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.

89. **The Use of Stem Cells in Clinical Orthopaedics,** American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, Maryland, 7/2012.

90. **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, San Francisco, CA 3/2013.

91. **The Effect of Local Anesthetics on Synoviocytes: An Indirect Contributor to Chondrolysis,** 80th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA 3/2013.

92. **Effect of Playing Surface on the Incidence of ACL Injuries in NCAA Football,** 80th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA 3/2013.

6. Invited Presentations (129 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. **Sagital 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

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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, Melborne, 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 Colombia, CA, June, 2012.

123. **Modern ACL Reconstruction.** Northern California Orthopaedic Asssociation 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 Playing Surface on the Incidence of ACL Injuries in NCAA Football.** Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.

134. **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.

135. **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.

136. **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.

137. **Tibial Tunnel Anteriorization Procedure for Single-State Revision ACL Reconstruction.** Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.

138. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomatrices**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.

139. **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.

140. **Lower Extremity Biomechanics in Division I Female Athletes**. Annual Meeting of the Arthroscopy Association of North America, San Antonio, TX, April 2013.

141**. 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.

142. **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.

143. **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.

144. **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.

145. **Chondrogenesis Using Adipose-Derived Stem Cells and FDA-Approved Biomatrices**. Ninth Biennial Congress of the International Society for Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Toronto, Canada, May 2013.

146. **Landing on an Unstable Surface Decreases ACL Biomechanical Risk Factors.** Annual Meeting of the American Orthopaedic Society for Sports Medicine, Chicago, IL, July 2013.

147. **The Effect of Local Anesthetics and Corticosteroids on Cartilage**. Metcalf Memorial Meeting, Sun Valley, ID February 2013.

148. **Use of Stem Cells and PRP in Clinical Practice.** Metcalf Memorial Meeting, Sun Valley, ID February 2013.

149. **Biologic Augmentation of Meniscal Repair**. Metcalf Memorial Meeting, Sun Valley, ID February 2013.