

## Curriculum Vitae

### Geoffrey D. Abrams, MD

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#### Academic Appointments

11/21-pres	<b>Stanford University School of Medicine</b> Associate Professor, Medical Center Line	<b>Stanford, CA</b>
10/13-10/21	<b>Stanford University School of Medicine</b> Assistant Professor, Medical Center Line	<b>Stanford, CA</b>
9/13-7/19	<b>Veterans Administration Hospital, Palo Alto</b> Attending Physician	<b>Palo Alto, CA</b>
8/12-7/13	<b>Rush University Medical Center</b> Clinical Instructor	<b>Chicago, IL</b>

#### Administrative Appointments

1/16-pres	<b>Director of Sports Medicine for Varsity Athletics</b> <b>Lacob Family Sports Medicine Center</b> Stanford University	<b>Stanford, CA</b>
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#### Post-Doctoral Training

8/12-7/13	<b>Rush University Medical Center</b> Fellow, Orthopedic Sports Medicine	<b>Chicago, IL</b>
7/08-6/12	<b>Stanford University Hospital and Clinics</b> Resident, Department of Orthopedic Surgery	<b>Stanford, CA</b>
6/07-6/08	<b>Stanford University Hospital and Clinics</b> Surgical Internship, Department of General Surgery	<b>Stanford, CA</b>

#### Education

9/03-6/07	<b>University of California, San Diego</b>	<b>San Diego, CA</b>
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Doctor of Medicine (M.D.)

9/96-1/01      **Stanford University**      **Stanford, CA**  
Bachelor of Arts (B.A.), Human Biology (Neuroscience Concentration)

### Licensure and Certification

- Subspecialty Certificate in Orthopedic Sports Medicine (10/2016-12/2025)
- American Board of Orthopedic Surgery – Board Certified (7/2015-12/2025)
- California Medical License: A105050 (2008-current)
- Illinois Medical License: 036.129829 (2012) (Expired)
- Drug Enforcement Administration (DEA): Provided upon request (2008-current)
- California Fluoroscopy Supervisor and Operator: RHC 00167765 (2010-current)

### Peer Reviewed Publications

1. Oda H, Kaizawa Y, Franklin A, Sanchez Rangel U, Min JG, Ackerman J, Storaci H, Wang Z, **Abrams GD**, Chang J, Fox PM. Biomechanical, Histologic, and Micro-CT Characterization of Partial Width Full Thickness Supraspinatus Tendon Injury in Rats. In Press, *Journal of Hand Surgery*.
2. Ker DFE, Wang D, Zhang X, Ng KW, Rao Y, Wang C, Gharaibeh B, Lin S, **Abrams G**, Safran M, Cheung E, Campbell P, Weiss L, Yang Y. Growth and Differentiation Factor-7 Immobilized, Mechanically Strong Quadrol-Hexamethylene Diisocyanate-Methacrylic Anhydride Polyurethane Polymer for Tendon Repair and Regeneration. In Press, *Acta Biomaterialia*.
3. Tsao J, Kussman AL, Segovia N, **Abrams GD**, Boehm AB, Hwang CE. Prevalence of Positive Rapid Antigen Tests After 7-Day Isolation following SARS-CoV-2 Infection in College Athletes when Omicron Variant Dominant. In Press, *JAMA Network Open*.
4. Murray IR, Rodeo S, Haddad F, Hammond K, McAdams T, **Abrams GD**. The Use of Biologics in NFL Athletes: An Expert Consensus of NFL Team Physicians. In Press, *Orthopedic Journal of Sports Medicine*.
5. Kim SK, Nguyen C, **Abrams GD**. A Genome-Wide Association Study Reveals Two Markers for Chondromalacia. In Press, *Cartilage*.
6. Lau BC, Varsheya K, Morriss N, Wickman J, Kirkendall D, **Abrams G**. Multi-Ligament Knee Injuries Treated with a Single-Operation Had Lower Complications and Unplanned Reoperations and Cost Versus Staged Operation: A MarketScan Database Study. In Press, *Arthroscopy, Sports Medicine, and Rehabilitation*.
7. Xiao M, Lemos JL, Hwang CE, Sherman SL, Safran MR, **Abrams GD**. Increased Risk of Anterior Cruciate Ligament Injuries for Female but Not Male Soccer Players

on Artificial Turf Versus Natural Grass: A Systematic Review and Meta-Analysis. In Press, *Orthopedic Journal of Sports Medicine*.

8. Xiao M, van Niekerk M, Trivedi NN, Hwang CE, Sherman SL, Safran MR, **Abrams GD**. Patients Who Return to Sport after Primary Anterior Cruciate Ligament Reconstruction Have Significantly Higher Psychological Readiness: A Systematic Review and Meta-Analysis of 3,744 Patients. In Press, *American Journal of Sports Medicine*.
9. Tsao J, Kussman AL, Costales C, Pinsky BA, **Abrams GD**, Hwang, CE. Accuracy of Rapid Antigen Testing vs RT-PCR for SARS-CoV-2 Infection in College Athletes when Omicron Variant was Predominant. In Press, *JAMA Network Open*.
10. Cinque ME, LaPrade CM, **Abrams GD**, Sherman SL, Safran MR, Freehill MT. Ulnar Collateral Ligament Reconstruction Does Not Decrease Spin Rate or Performance in Major League Pitchers. *American Journal of Sports Medicine*. 2022 Jul;50(8):2190-2197.
11. LaPrade CM, Cinque ME, Chona DV, Sciascia AD, **Abrams GD**, Sherman SL, Safran MR, Freehill MT. Revision Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers: Effects of Fastball Velocity and Usage. *Journal of Shoulder and Elbow Surgery*. 2022 Aug;31(8):1563-1570.
12. Xiao M, Bartolozzi AR, Freehill MT, **Abrams GD**, Cheung EV. Nerve Alerts and Peripheral Nerve Injury in Patients Undergoing Shoulder Arthroplasty with Intraoperative Neuromonitoring: A Systematic Review. In Press, *Seminars in Arthroplasty: JSES*.
13. Xiao M, Cohen SA, Cheung EV, Sherman SL, **Abrams GD**, Freehill MT. Limited Biomechanical Evidence Behind Single Row Versus Double Row Repair of Subscapularis Tears: A Systematic Review of Biomechanical Studies. *Arthroscopy, Sports Medicine, and Rehabilitation*. 2022 Mar 15;4(3):e1193-e1201.
14. Wang EX, Hwang CE, Nguyen J, Segovia N, **Abrams GD**, Kussman A. Factors Associated with Prolonged Return to Play in Concussion. *American Journal of Sports Medicine*. 2022 May;50(6):1695-1701.
15. LaPrade CM, Chona DV, Cinque ME, Freehill MT, **Abrams GD**, Sherman SL, Safran MR. Return-to-Play and Performance After Operative Treatment of Achilles Tendon Rupture in Elite Male Athletes: A Scoping Review. *British Journal of Sports Medicine*. 2022 May;56(9):515-520.
16. Schultz EA, Kussman A, Jerome AC, **Abrams GD**, Hwang CE. Comparison of SARS-CoV-2 Test Positivity In NCAA Division I Student Athletes Versus Non-Athletes at 12 Institutions. *JAMA Network Open*. 2022 Feb 1;5(2):e2147805.
17. Xiao M, **Abrams GD**. Soaking Anterior Cruciate Ligament Grafts in Vancomycin Solution Lowers Infection Rates Without Lowering Functional Outcomes – Editorial Commentary. *Arthroscopy*. 2022 May;38(5):1535-1536.

18. Xiao M, Curtis DM, Cheung EV, Freehill MT, **Abrams GD**. No Significant Difference in Risk of Prolonged Opioid Use Following Outpatient Versus Inpatient Total Shoulder Arthroplasty: A Propensity Matched Analysis. *In Press*, *Shoulder and Elbow*.
19. Varshneya K, **Abrams GD**, Sherman SL, Safran MR. Patient Specific Risk Factors Exist for Hip Fractures after Arthroscopic FAI surgery, But Not For Dislocation – An Analysis of Over 25,000 Hip Arthroscopies. *Arthroscopy, Sports Medicine, and Rehabilitation*. 2021 Dec 26;4(2):e519-e525.
20. Xiao M, Money AJ, Pullen WM, Cheung EV, **Abrams GD**, Freehill MT. Outcomes After Resection Arthroplasty Versus Permanent Antibiotic Spacer for Salvage Treatment of Shoulder Periprosthetic Joint Infections: A Systematic Review and Meta-Analysis. *Journal of Shoulder and Elbow Surgery*. 2022 Mar;31(3):668-679.
21. Schultz BJ, Thomas KA, Cinque M, Harris JD, Maloney WJ, **Abrams GD**. Driving to the Basket Tendency is Associated with Increased Risk of Anterior Cruciate Ligament Tears in National Basketball Association Players. *Orthopedic Journal of Sports Medicine*. 2021 Nov 5;9(11):23259671211052953.
22. Xiao M, Nguyen JN, Hwang CE, **Abrams GD**. Increased Lower Extremity Injury Associated with Player Load and Distance in Collegiate Women's Soccer. *Orthopedic Journal of Sports Medicine*. 2021 Oct 26;9(10):23259671211048248.
23. Chona D, Kha S, Minetos P, Laprade C, Chu C, **Abrams GD**, Safran MR, Sherman SL. Biologic Augmentation in the Operative Treatment of Osteochondral Defects of the Knee: A Systematic Review. *Orthopedic Journal of Sports Medicine*. 2021 Nov 4;9(11):23259671211049756.
24. Xiao M, Cohen SA, Cheung EV, Freehill MT, **Abrams GD**. Pain Management in Shoulder Arthroplasty: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials. *Journal of Shoulder and Elbow Surgery*. 2021 Nov;30(11):2638-2647.
25. Murray IR, Makaram NS, Rodeo SA, Sherman SL, Safran MR, McAdams TR, Murray AD, Haddad FS, **Abrams GD**. Infographic: The Use of Biologics in Professional and Olympic Sport: A Scoping Review. *Bone and Joint Journal*. 2021 Jul;103-B(7):1187-1188.
26. Kim SK, Nguyen C, Horton BH, Avins AL, **Abrams GD**. Association of COA1 with Patellar Tendonitis: A Genome-Wide Association Analysis. *Medicine & Science in Sports & Exercise*. 2021 Nov 1;53(11):2419-2424.
27. Xiao M, Cohen SA, Cheung EV, **Abrams GD**, Freehill MT. Arthroscopic Single and Double Row Repair of Isolated and Combined Subscapularis Tears Result in Similar Improvements in Outcomes: A Systematic Review. *Arthroscopy*. 2022 Jan;38(1):159-173.

28. Xiao M, Lemos JL, Hwang CE, Sherman SL, Safran MR, **Abrams GD**. High Specialization Among Female Youth Soccer Players is Associated with an Increased Likelihood of Serious Injury. *Medicine & Science in Sports & Exercise*. 2021 Oct 1;53(10):2086-2092.
29. Xiao M, Kaufman DI, **Abrams GD**. Uvular Necrosis After Shoulder Surgery: A Report of Three Cases. *Cureus*. 2021 Mar 31;13(3):e14233.
30. Kim SK, Nguyen C, Avins AL, **Abrams GD**. Three Genes Associated with Anterior and Posterior Cruciate Ligament Injury: A Genome-Wide Association Analysis. *Bone and Joint Open*. 2021 Jun;2(6):414-421.
31. Chona DV, Minetos P, Laprade CM, Cinque ME, **Abrams GD**, Serman SL, Safran MR. Hip Dislocation and Subluxation in Athletes: A Systematic Review. *American Journal of Sports Medicine*. 2022 Aug;50(10):2834-2841.
32. Murray IR, Makaram NS, Rodeo SA, McAdams TR, Sherman SL, Murray AD, Safran MR, Haddad FS, **Abrams GD**. The Use of Biologics in Professional and Olympic Sport: A Scoping Review. *Bone and Joint Journal*. 2021 Jul;103-B(7):1189-1196.
33. Leonardi EA, Xiao M, Murray IR, Robinson WH, **Abrams GD**. Tendon Derived Progenitor Cells With Multi-Lineage Potential Are Present Within Human Patellar Tendon. *Orthopedic Journal of Sports Medicine*. 2021 Aug 20;9(8):23259671211023452.
34. Robinson PG, **Abrams GD**, Sherman SL, Safran MR, Murray IR. Autologous Bone Grafting. *Operative Techniques in Sports Medicine*. 2020, 19 October; 28(4): Article 150780.
35. Kim SK, Nguyen C, Avins AL, **Abrams GD**. Identification of Three Loci Associated with Achilles Tendon Injury Risk from a Genome Wide Association Study. *Medicine & Science in Sports & Exercise*. 2021 Aug 1;53(8):1748-1755.
36. Xiao M, Sherman SL, Safran MR, **Abrams GD**. Significantly Lower Infection Risk For ACL Grafts Pre-Soaked in Vancomycin Compared to Un-Soaked Grafts: A Systematic Review and Meta-analysis. *Arthroscopy*. 2021 May;37(5):1683-1690.
37. Makaram NS, Murray IR, Rodeo SA, Sherman SL, Murray A, Haddad FS, McAdams TR, **Abrams GD**. The Use of Biologics in Professional and Olympic Sport: A Scoping Review Protocol. *Bone and Joint Open*. 2020 Nov 17;1(11):715-719.
38. Millar NL, Silbemagel, Thorborg K, Kirwan PD, Galatz L, **Abrams GD**, Murrell GA, McInnes IB, Rodeo S. Tendinopathy. *Nature Reviews Disease Primers*. 2021 Jan 7;7(1):1.
39. Kim SK, Roche MD, Fredericson M, Dragoo JL, Horton BH, Avins AL, Belanger HG, Ioannidis JPA, **Abrams GD**. A Genome-Wide Association Study for Concussion Risk. *Medicine & Science in Sports & Exercise*. 2021 Apr 1;53(4):704-

711.

40. Sochacki KR, Varshneya K, Calcei JG, Safran MR, **Abrams GD**; Donahue J, Chu CR, Sherman SL. Comparison of Autologous Chondrocyte Implantation and Osteochondral Allograft Transplantation of the Knee in a Large Insurance Database: Reoperation Rate, Complications, and Cost Analysis. *Cartilage*. 2021 Dec;13(1\_suppl):1187S-1194S.
41. Gao I, Sochacki KR, Freehill MT, Sherman SL, **Abrams GD**. Superior Capsular Reconstruction: A Systematic Review of Surgical Techniques and Clinical Outcomes. 2021 Feb;37(2):720-746.
42. Xiao M, Donahue J, Safran MR, Sherman SL, **Abrams GD**. Administrative Databases Utilized for Sports Medicine Research Demonstrate Significant Differences in Underlying Patient Demographics and Resulting Surgical Trends. *Arthroscopy* 2020 Sep 20;S0749-8063(20)30745-3.
43. Xiao M, Sherman SL, Safran MR, **Abrams GD**. Surgeon Practice Patterns for Pre-Soaking ACL Tendon Grafts in Vancomycin: A Survey of The ACL Study Group. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2021 Jun;29(6):1920-1926.
44. Lai CH, DeBaun MR, Van Rysslberghe N, **Abrams GD**, Kamal RN, Bishop JA, Gardner MJ. Can upstream patient education improve fracture care in a digital world? Use of a decision aid for the treatment of displaced diaphyseal clavicle fractures. *Journal of Orthopedic Trauma*. 2021 Mar 1;35(3):160-166.
45. Makaram NS, Safran MD, **Abrams GD**, Sherman SL, Murray IR. Rationale for the Use of Orthobiologics in Sports Medicine. *Operative Techniques in Sports Medicine*. 2020 July 20;28(3): Article 150753.
46. Murray IR, Makaram NS, Sherman SL, Safran MR, LaPrade RF, **Abrams GD**. We Need Robust Nomenclature for Orthobiologics: Letter to the Editor. *American Journal of Sports Medicine*. 2020 Oct;48(12):NP52-NP54.
47. Goodnough LH, Ambrosi TH, Steininger H, DeBaun MR, **Abrams GD**, McAdams TR, Gardener MJ, Chan CKF, Bishop JA. Delayed Union of a Diaphyseal Forearm Fracture Predicted by Impaired Osteogenic Differentiation of Prospectively Isolated Human Skeletal Stem Cells. *Journal of Bone and Mineral Research Plus*. 2020 Aug 31;4(10):e10398.
48. DeBaun MR, Goodnough LH, Gatewood C, Gardner MJ, **Abrams GD**. Deltopectoral Approach for Arthroplasty After Early Failed Proximal Humerus Fracture Via Deltoid Split Heals Uneventfully. *Journal of Bone and Joint Surgery – Case Connector* Jul-Sep 2020;10(3):e2000148.
49. Enweze LC, Varshneya K, Sherman SL, Safran MR, **Abrams GD**. Risk of Subsequent Knee Arthroplasty Following Sports Medicine Procedures. *JAAOS Global Research and Reviews* 2020 Aug;4(8):e2000125.

50. Sochacki KR, Varshneya K, Safran MR, **Abrams GD**, Donahue J, Wang T, Sherman SL. Reoperation Rates following Meniscus Transplantation Using the Truven Database. *Arthroscopy* 2020 Jul 7;S0749-8063(20)30570-3.
51. Xiao M, Leonardi EA, Sharpe O, Sherman SL, Safran MR, Robinson WH, **Abrams GD**. Soaking ACL Grafts In Vancomycin Prior to Implantation Does Not Lead to Tenocyte Cytotoxicity. *American Journal of Sports Medicine*. 2020 Oct;48(12):3081-3086.
52. Sochacki KR, Safran MR, **Abrams GD**, Donahue J, Chu C, Sherman SL. Platelet-Rich Plasma Augmentation for Isolated Arthroscopic Meniscus Repairs Leads to Significantly Lower Failure Rates: A Systematic Review of Comparative Studies. *Orthopedic Journal of Sports Medicine*. 2020 Nov 20;8(11):2325967120964534.
53. Sarkissian EJ, Xiao M, **Abrams GD**. Preoperative Teres Minor Fatty Infiltration Negatively Affects Post-Operative Outcomes in Patients With Rotator Cuff Pathology. *Orthopedic Journal of Sports Medicine*. 2020 Oct 27;8(10):2325967120960107.
54. Varshneya K, Safran MR, Sherman SL, **Abrams GD**. Costs, Complications, and Reoperations Associated with Primary Arthroscopic Rotator Cuff Repair with or without Acromioplasty and/or Biceps Tenodesis. *Arthroscopy, Sports Medicine, and Rehabilitation* 2020 Jul 29;2(4):e369-e376.
55. Xiao M, Sherman SL, **Abrams GD**. Inflammatory Mechanisms in the Development of Osteoarthritis. *Instructional Course Lectures*. 2021;70:537-550.
56. **Abrams GD**, Murray IR. Please Don't Call It a Mesenchymal Stem Cell. *Arthroscopy* 2020 Aug;36(8):2134-2136.
57. Sochacki KR, Varshneya K, Calcei JG, Safran MR, **Abrams GD**, Donahue J, Sherman SL. Comparing Meniscectomy to Meniscus Repair: A Matched Cohort Analysis Utilizing a National Insurance Database. *American Journal of Sports Medicine* 2020 Aug;48(10):2353-2359.
58. Sochacki KR, Dillingham MF, **Abrams GD**, Sherman SL, Donahue J. Humeral Head Osteochondral Allograft Reconstruction with Arthroscopic Anterior Shoulder Stabilization at Long Term Follow-up: A Case Report. *Journal of Bone and Joint Surgery Case Connector* Apr-Jun 2020;10(2):e0555.
59. Sochacki KR, Shea KG, Varshneya K, Safran MR, **Abrams GD**, Donahue J, Sherman SL. The Relationship of the Medial Patellofemoral Ligament Origin on the Distal Femur to the Distal Femoral Physis: A Systematic Review. *American Journal of Sports Medicine*. 2021 Jan;49(1):261-266.
60. Lindsay S; Alokozai A, Eppler SL, Fox P, Curtin C, Gardner M, Avedian R, Palanca A, **Abrams GD**, Cheng I, Kamal RN. The Patient Perspective on Shared Decision Making: Should All Decisions Be Shared? *Journal of the American Academy of Orthopedic Surgeons* 2020 May 15;28(10):419-426.

61. Xiao M, **Abrams GD**. Increased Re-operation Rates Among Patients Undergoing Shoulder Arthroscopy With Concomitant Biceps Tenodesis. *Journal of Shoulder and Elbow Surgery Open Access* 2019 Sep 30;3(4):344-349.
62. Yanke AB, Lee AS, Karas V, **Abrams G**, Riccio ML, Verma NN, Bach BR, Cole BJ. Surgeon Ability to Appropriately Address the Calcified Cartilage Layer: An In-Vitro Study of Arthroscopic and Open Technique. *American Journal of Sports Medicine*. 2019 Sep;47(11):2584-2588.
63. Xiao M, Iglinski-Benjamin KC, Sharpe O, Robinson WH, **Abrams GD**. Exogenous Micro-RNA and Antagomir Modulate Osteogenic Gene Expression in Tenocytes. *Experimental Cell Research*. 2019 May 15;378(2):119-123.
64. Kaizawa Y, Franklin A, Leyden J, Behn AW, Tulu S, Leon D, Wang Z, **Abrams GD**, Chang J, Fox PM. Augmentation of chronic rotator cuff healing using adipose-derived stem cell-seeded human tendon-derived hydrogel. *Journal of Orthopedic Research*. 2019 Apr;37(4):877-886.
65. Kaizawa Y, Leyden J, Behn AW, Tulu U, Franklin A, Wang Z, **Abrams G**, Chang J, Fox P. Human tendon-derived collagen hydrogel significantly improves biomechanical properties of the tendon bone interface in a chronic rotator cuff injury model. *Journal of Hand Surgery* 2019 Oct;44(10):899.e1-899.e11
66. Iglinski-Benjamin KC, Xiao M, Safran M, **Abrams GD**. Increased Prevalence of Concomitant Psychiatric Diagnoses Among Hip Arthroscopy Patients. *Orthopedic Journal of Sports Medicine*. 2019 Jan 25;7(1).
67. Dubin JA, Greenberg DR, Iglinski-Benjamin KC, **Abrams GD**. Effect of micro-RNA on tenocyte and tendon-related gene expression: a systematic review. *Journal of Orthopedic Research* 2018;36(11):2823-2829.
68. Hall KE, Sarkissian EJ, Sharpe O, Robinson WH, **Abrams GD**. Identification of Differentially Expressed Micro-RNA in Rotator Cuff Tendinopathy. *Muscles, Ligaments and Tendons Journal* 2018;8(1):8-14.
69. **Abrams GD**. The Importance of capsular closure in hip arthroscopy: is there a limit to the benefit? *Arthroscopy*. 2018;34(3):864-865.
70. **Abrams GD**, Feldman D, Safran MR. Vitamin D Effects on Skeletal Muscle and Athletic Performance. *Journal of the American Academy of Orthopedic Surgeons*. 2018;26(8):278-285.
71. **Abrams GD**. Not repairing the hip capsule after arthroscopy – what were we thinking? *Arthroscopy*. 2018;34(1):319-320.
72. **Abrams GD**, Chang W, Dragoo JL. In Vitro Chondrotoxicity of Non-Steroidal Anti-Inflammatory and Opioid Medications. *American Journal of Sports Medicine* 2017 45:3345-3350.

73. Trutzner JN, Shapiro LM, Hoppe DJ, **Abrams GD**, Safran MR. The Diagnostic Accuracy of Three Physical Exam Maneuvers in the Diagnosis of Hip Microinstability. *Orthopedic Journal of Sports Medicine* 2017;5(11).
74. **Abrams GD**, Greenberg DR, Dragoo JL, Safran MR, Kamal RN. Quality Measures in Orthopedic Sports Medicine: A Systematic Review. *Arthroscopy* 2017; 33(10):1896-1910.
75. Truntzer J, Hoppe D, Shapiro L, **Abrams GD**, Safran MR. Hip Arthroscopy in the United States: An Update Following Coding Changes in 2011. *Journal of Hip Preservation Surgery* 2017; 23;4(3):250-257.
76. Truntzer J, Hoppe DJ, Shapiro LM, **Abrams GD**, Safran MR. Complication Rates for Hip Arthroscopy are Underestimated: A Population-Based Study. *Arthroscopy* 2017 33(6):1194-1201.
77. **Abrams GD**, Luria A, Sampson J, Madding RA, Robinson WH, Safran MR, Sokolove J. Decreased Synovial Inflammation in Atraumatic Hip Microinstability as Compared to Femoroacetabular Impingement. *Arthroscopy* 2017;33(3):553-558.
78. Shapiro LM, Safran MR, Maloney WJ, Goodman SB, Huddleston JI, Bellino MJ, Scuderi GJ, **Abrams GD**. Cytokines as a predictor of clinical response following hip arthroscopy: minimum 2-Year follow-up. *Journal of Hip Preservation Surgery* 2016 May 2;3(3):229-35.
79. Erickson BJ, Jain A, **Abrams GD**, Nicholson GP, Cole BJ, Romeo AA, Verma NN. Primary SLAP repair: an evolution of treatment. *Arthroscopy* 2016 Jun;32(6):976-81.
80. **Abrams GD**, Luria A, Carr RA, Rhodes C, Robinson WH, Sokolove J. Association of synovial inflammation and inflammatory mediators with glenohumeral rotator cuff pathology. *Journal of Shoulder and Elbow Surgery* 2016;25(6):989-97.
81. Levy DM, **Abrams GD**, Harris JD, Bach BR, Nicholson GP, Romeo AA. Rotator cuff tears after total shoulder arthroplasty in primary osteoarthritis: a systematic review. *International Journal of Shoulder Surgery* 2016;10(2):78-84.
82. Tuman JM, Bishop JA, **Abrams GD**. Arthroscopic Reduction and Internal Fixation of an Inferior Glenoid Fracture with Scapular Extension. *Arthroscopy Techniques* 2015 Dec 28;4(6):e869-72.
83. Beckmann JT, Safran MR, **Abrams GD**. Extra-Articular Impingement: Ischiofemoral Impingement and Trochanteric Pelvic. *Operative Techniques in Sports Medicine* 2015;23(3):184-9.
84. Wang T, **Abrams GD**, Behn A, Lindsey DP, Giori NJ, Cheung EV. Biomechanical evaluation of standard and posterior augmented glenoids in the setting of posterior glenoid wear. *Clinical Orthopedics and Related Research* 2015;473(12):3928-36.

85. **Abrams GD**, Hart MA, Takami K, Bayne CO, Kelly BT, Espinoza-Orías AA, Nho SJ. Biomechanical Evaluation of Capsulotomy, Capsulectomy, and Capsular Repair on Hip Rotation. *Arthroscopy* 2015;31(8):1511-7.
86. Pirolo JM, Behn AW, **Abrams GD**, Bishop JA. Anterolateral Versus Medial Plating of Distal Extra-Articular Tibia Fractures: A Biomechanical Model. *Orthopedics* 2015 Sep;38(9):e760-5.
87. Erickson BJ, Harris JD, Gupta AK, **Abrams GD**, Bruce B, McCormick FM, Nicholson GP, Romeo AA. Surgical Management of Complex Proximal Humerus Fractures -A Systematic Review of 92 studies including 4,500 Patients. *Journal of Orthopedic Trauma* 2015;29(1): 54-9.
88. McCormick F, Gupta A, Bruce B, Harris J, **Abrams G**, Wilson H, Hussey K, Cole BJ. Single-row, double-row, and transosseous equivalent techniques for isolated supraspinatus tendon tears with minimal atrophy: A retrospective comparative outcome and radiographic analysis at minimum 2-year followup. *International Journal of Shoulder Surgery* 2014;8(1):15-20.
89. Harris JD, Hussey K, Saltzman BM, McCormick FM, Wilson H, **Abrams GD**, Cole BJ. Cartilage repair with or without meniscal transplantation and osteotomy for lateral compartment chondral defects of the knee - Case series with minimum two-year follow-up. *Orthopedic Journal of Sports Medicine* 2014;2(1).
90. **Abrams GD**, Hussey KE, Harris JD, Cole BJ. Clinical results of combined meniscus and femoral osteochondral allograft transplantation: minimum two-year follow-up. *Arthroscopy* 2014;30(8):964-70.
91. Wang T, **Abrams GD**. Current concepts in anterior cruciate ligament reconstruction. *Minerva Ortopedica e Traumatologica* 2014;65(2):87-102.
92. Mall NA, **Abrams GD**, Azar FM, Traina SM, Allen AA, Parker R, Cole BJ. Trends in primary and Revision ACL reconstruction among National Basketball Association team physicians. *American Journal of Orthopedics* 2014;43(6):267-71.
93. Harris JD, Cvetanovich G, Erickson BJ, **Abrams GD**, Chahal J, Gupta AK, McCormick FM, Bach BR. Current status of evidence-based sports medicine. *Arthroscopy* 2014;30(3):362-71.
94. **Abrams GD**, Gupta AK, Hussey KE, Tetteh E, Karas V, Bach BR, Cole BJ, Romeo AA, Verma NN. A Prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up. *American Journal of Sports Medicine* 2014;42(6):1296-1303.
95. **Abrams GD**, Safran MR, Shapiro LM, Maloney WM, Goodman SB, Huddleston JI, Bellino MJ, Scuderi GJ. Fibronectin-aggrecan complex as a marker for cartilage degradation in non-arthritic hips. *Knee Surgery, Sports, Traumatology, Arthroscopy* 2014;22(4):768-73.

96. **Abrams GD**, Harris JD, Gupta AK, McCormick FM, Bush-Joseph CA, Verma NN, Cole BJ, Bach BR. Functional performance testing following anterior cruciate ligament reconstruction: a systematic review. *Orthopedic Journal of Sports Medicine* 2014;2(1).
97. McCormick FM, Harris JD, **Abrams GD**, Frank RM, Gupta AK, Hussey KE, Wilson H, Bach BR, Cole BJ. Trends in the surgical treatment of articular cartilage lesions: An analysis of a large private payer database over 8 years. *Arthroscopy* 2014;30(2):222-6.
98. McCormick FM, Harris JD, **Abrams GD**, Hussey KE, Wilson H, Frank RM, Gupta AK, Bach BR, Cole BJ. Survival and reoperation rates after meniscal allograft transplantation: analysis of failures for 172 consecutive transplants at a minimum 2-year follow-up. *American Journal of Sports Medicine* 2014;42(4):892-7.
99. Harris JD, Erickson BJ, Cvetanovich G, **Abrams GD**, McCormick FM, Gupta AK, Verma NN, Bach BR, Cole BJ. Development of a valid and reliable knee articular cartilage condition-specific study methodological quality score. *Orthopedic Journal of Sports Medicine* 2014;2(2).
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#### **Peer-Reviewed Short Communications**

1. Kim SK, **Abrams GD**. Two Genetic Markers Associated with Concussion Risk. *Sports Medicine Bulletin*. *Medicine and Science in Sports and Exercise*. March 2021.
2. **Abrams GD**. Point-Counterpoint: Does the anterolateral ligament play a biomechanical role in the function of the knee? *Orthopedics Today*. March, 2017.
3. Harris JD, Gupta AK, Mall NA, **Abrams GD**, McCormick FM, Bach BR, Romeo AA. In Response to Letter to Editor Regarding “Long term outcomes after Bankart shoulder stabilization surgery: a systematic review. *Arthroscopy*. 2013;29(10):1602-3.
4. **Abrams GD**, Bellino, MJ, Cheung EV. In Response to Letter to Editor Regarding "Risk factors for heterotopic ossification of the elbow after fracture fixation." *Journal of Shoulder and Elbow Surgery*. 2013;22(7):e31.

**Book Chapters**

1. Murray I, **Abrams GD**, Ray T, Sherman SL. Joint Function Preservation: Focus on osteo-chondral unit. ISAKOS Book: Functional anatomy of cartilage & subchondral bone in the joint. Editors: Gobbi A, Lane JG, Longo UG, Dallo I. Singapore: Straive, 2022.
2. Harris J, Slikker III W, **Abrams G**, Alter T, Nho S. “Atraumatic instability and surgical technique,” in Hip Arthroscopy and Joint Preservation Surgery. Editors: Nho SJ, Leunig M, Larson C, Bedi A, Kelly B. New York, NY: Springer, 2021.
3. Murray IR, Ray T, **Abrams GD**, Sherman SL. “*Functional anatomy of cartilage and subchondral bone in the joint,*” in Joint Function Preservation: A Focus on the Osteochondral Unit. Editors: Gobbi A, Lane J, Giuseppe U, Dallo I. New York, NY: Springer 2020.
4. Schubert M, Dunkley G, **Abrams GD**, Sherman SLS. “*Biceps tendonitis: Causes and solutions to these problems,*” in The Management of Biceps Pathology: A Clinical Guide from the Shoulder to the Elbow. Editors: Romeo AA, Erickson B, Griffin J. New York, NY: Springer 2020.
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13. Carr RA, **Abrams GD**. “Acute Shoulder Instability – Conservative Treatment,” in *Shoulder Instability Through the Lifespan*. Editors: Imhoff A, Savoie F. New York, NY: Springer 2017.
14. **Abrams GD**, Harris JD, Gupta AK, Cole BJ. “Meniscal Transplantation – Background and Technique. Lateral Meniscus Transplant,” in *Lure of the Knee*. Editor: Johnson D. Naples, FL: Arthrex.
15. Johnston TR, **Abrams GD**. “Shoulder Injuries and Conditions in Swimmers,” in *Endurance Sports Medicine: Evaluation and Treatment of the Endurance Athlete*. Editor: Miller TL. New York, NY: Springer, 2016.
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20. **Abrams GD**, Harris JD, Gupta AK, McCormick FM, Cole BJ. “Biologic augmentation of meniscus repair and replacement,” in: *Meniscal Surgery – Management and Techniques*. Ed. Kelly JD. New York, NY: Springer, 2012.
21. **Abrams GD**, Safran MR. “Musculoskeletal injuries in the tennis player,” in *ACSM Sports Medicine: A Comprehensive Review*. Ed: O’Connor FG. Chicago, IL: Lippincott, Williams, and Wilkins, 2012
22. **Abrams GD**, Safran MR. “Introduction to Elbow Arthroscopy,” in *Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions*. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.

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32. **Abrams GD**, Safran MR. “Elbow Articular Cartilage Injuries/Loose Bodies,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
33. **Abrams GD**, Safran MR. “Distal Humerus Fractures,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
34. **Abrams GD**, Safran MR. “Radial Head and Neck Fractures,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.

35. **Abrams GD**, Safran MR. “Proximal Ulnar Fractures,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
36. **Abrams GD**, Safran MR. “Elbow Bursitis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
37. **Abrams GD**, Safran MR. “Elbow Arthritis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.

### **Podium Presentations**

1. **American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting, Toronto, Canada (7/2017)**. Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications.
2. **International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine – Biennial Congress, Shanghai, China (6/2017)** - Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications.
3. **American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting, San Diego, CA (2/2017)**. Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications.
4. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, London, England (9/2015)**. Chronic synovial-based inflammation in femoroacetabular impingement.
5. **American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting, Seattle, WA, USA (7/2014)**. Combined meniscus and osteochondral allograft transplantation: minimum two-year follow-up with an analysis of failures.
6. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, Munich, Germany (10/2013)**. Fibronectin-aggrecan complex as a marker for cartilage degradation in non-arthritic hips.
7. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, Munich, Germany (10/2013)**. Effect of capsulotomy and capsulectomy on hip stability.
8. **International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine – Biennial Congress, Toronto, Canada (5/2013)**; Fibronectin-aggrecan complex as a marker for cartilage degradation in non-arthritic hips.
9. **American Shoulder and Elbow Surgeons – Open Meeting, Chicago, IL, USA (3/2013)**; Risk factors for development of heterotopic ossification of the elbow after fracture fixation.

10. **American Academy of Orthopedic Surgeons (AAOS)/American Shoulder and Elbow Surgeons (ASES) 8<sup>th</sup> Biennial Shoulder and Elbow Meeting, Boca Raton, FL, USA (5/2012)**; Biomechanical evaluation of mean articular screw distance and medial calcar support in proximal humerus fractures treated with locked plating.
11. **American Academy of Orthopedic Surgeons (AAOS)/American Shoulder and Elbow Surgeons (ASES) 8<sup>th</sup> Biennial Shoulder and Elbow Meeting, Boca Raton, FL, USA (5/2012)**; Risk factors for development of heterotopic ossification of the elbow following fracture fixation.
12. **American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting, San Francisco, CA, USA (2/2012)**; Coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft.
13. **American Shoulder and Elbow Surgeons (ASES) – Open Meeting, San Francisco, CA, USA (2/2012)**; Locked plate fixation of proximal humerus fractures: biomechanical evaluation of screw to subchondral distance and medial calcar support.
14. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, Paris, France (10/2011)**; Hip labral regrowth after resection: a prospective study.
15. **International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – World Congress, Rio de Janeiro, Brazil (5/2011)**; Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso.
16. **Society for Tennis Medicine and Science – Annual Congress, San Jose, CA, USA (2/2011)**; Kinetic and kinematic analysis of three tennis serve types using a markerless motion capture system.
17. **Society for Tennis Medicine and Science – World Congress, Tokyo, Japan (10/2008)**; Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso.
18. **American Federation for Medical Research, Western Conference, Carmel, CA (2/2005)**; Architectural characteristics of pronator teres and the implications for tendon transfer surgery.

### **Scientific Exhibits**

1. Hosman T, Gorbachova TA, Fritz RC, **Abrams GD**, Boutin RD. Meniscus roots, ramps, repairs, and repercussions. Radiological Society of North American – Annual Meeting. Chicago, IL, 2021

2. Erickson BJ, Harris JD, Cvetanovich GL, **Abrams GD**, Bach BR, Verma NN, Bush-Joseph CA, Cole BJ. Anterior cruciate ligament reconstruction in elite professional athletes. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014.

### Peer Reviewed Abstracts

1. LaPrade CM, Cinque ME, Chona DV, **Abrams GD**, Sherman SL, Safran MR, Freehill MT. Revision Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers: Effects of Fastball Velocity and Usage. American Orthopedic Society for Sports Medicine – Annual Meeting, Colorado Springs, CO, 2021.
2. Varshneya K, Trivedi N, Abrams GD, Safran MR, Sherman SL. Risk for Failure After Index Osteochondral Allograft Transplantation: An Analysis of 1428 Cases. International Cartilage Regeneration and Joint Preservation Society Meeting (ICRS) – Annual Meeting, 2022.
3. Varshneya K, Money A, Curtis D, Ray T, Shea K, **Abrams G**, Safran M, Sherman S. Isolated Lateral Release is Inferior to Medial Patellofemoral Ligament Reconstruction for Surgical Management of Patella Instability in Pediatric Patients. Pediatric Research in Sports Medicine Society (PRiSM) – Annual Meeting, Houston, Texas, 2022 (Podium)
4. Cinque ME, LaPrade CM, **Abrams GD**, Sherman SL, Safran MR, Freehill MT. Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers Does Not Decrease Spin Rate. American Shoulder and Elbow (ASES) Foundation Meeting, San Francisco, California, September 2021.
5. Xiao M, Nguyen JN, Hwang CE, **Abrams GD**. Increased Lower Extremity Injury Associated with Player Load and Distance in Collegiate Women’s Soccer. American Orthopedic Society of Sports Medicine (AOSSM) – Specialty Day, Chicago, IL, 2022 (Podium)
6. LaPrade CM, Cinque ME, Chona DV, **Abrams GD**, Sherman SL, Safran MR, Freehill MT. Revision Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers: Effects of Fastball Velocity and Usage. Association of Shoulder and Elbow Surgeons (ASES) – Annual Meeting (Closed), Tampa, FL, 2021.
7. Varshneya K, **Abrams G**, Sherman S, Safran M. Postoperative Complications of Intra-Operative Platelet Rich Plasma in Hip Arthroscopy. ISAKOS Bi-Annual Meeting. Cape Town, South Africa, 2021 (Podium)
8. Varshneya K, **Abrams G**, Sherman S, Safran M. Risk Factors for Hip Fracture and Dislocation Following Arthroscopic Femoroacetabular Impingement Surgery. ISAKOS Bi-Annual Meeting. Cape Town, South Africa, 2021 (Podium)
9. Xiao M, Lemos JL, Hwang CE, Sherman SL, Safran MR, **Abrams GD**. High Specialization Among Female Youth Soccer Players is Associated with an Increased

Likelihood of Serious Injury. ISAKOS Bi-Annual Meeting. Cape Town, South Africa, 2021 (Podium)

10. Kasitinon D, Hwang CE, **Abrams GD**, Kussman A. Factors Associated with Extended Return to Play After Concussion in Collegiate Athletes. American Academy of Physical Medicine and Rehabilitation Annual Assembly. Nashville, TN, 2021.
11. Lai C, DeBaun MR, Van Rysselberghe NL, **Abrams GD**, Kamal RN, Bishop JA, Gardner MJ. Can Upstream Patient Education Improve Fracture Care in a Digital World? Use of a Decision Aid for the Treatment of Displaced Diaphyseal Clavicle Fractures. Podium Presentation. AAOS Annual Meeting. San Diego CA, 2021 (Podium)
12. Thomas KA, Schultz BJ, Cinque M, Harris JD, **Abrams GD**. Driving Tendency is Associated with Increased Risk of Anterior Cruciate Ligament Tears in National Basketball Association Players. AOSSM-AANA Combined Annual Meeting. San Diego, CA, 2021.
13. Hall KE, Sarkissian EJ, **Abrams GD**. Identification of Differentially Expressed Micro-RNA in Rotator Cuff Tendinopathy. Western Orthopedic Association – Annual Meeting. Snowmass, CO, 2018 (Podium)
14. Trutzner JN, Shapiro LM, Hoppe DJ, **Abrams GD**, Safran MR. The Diagnostic Accuracy of Three Physical Exam Maneuvers in the Diagnosis of Hip Microinstability. International Society for Hip Arthroscopy (ISHA) – Annual Meeting. Santiago, Chile, 2017 (Podium)
15. Sarkissian EJ, Hall K, **Abrams GD**. Teres Minor Fatty Infiltration Affects Outcomes Following Rotator Cuff Surgery. Western Orthopedic Association (WOA) – Annual Meeting. Kauai, Hawaii, 2017 (Podium)
16. Truntzer J, Hoppe DJ, Shapiro LM, **Abrams GD**, Safran MR. Why Does Hip Arthroscopy Get a Bad Reputation Among Payers? – Could It Be Higher Complication Rates in General Practice. International Society for Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Meeting. Shanghai, China, 2017.
17. **Abrams GD**. Micro-RNA Differential Expression In Rotator Cuff Tendinopathy: An Rna-Sequencing Analysis. International Society for Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Meeting. Shanghai, China, 2017.
18. **Abrams GD**, Chang W, Dragoo JD. Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Toronto, Canada, 2017 (Podium)
19. **Abrams GD**, Chang W, Dragoo JD. Chondrotoxicity of Injectable Anti-inflammatory and Narcotic Medications. American Association of Orthopedic Surgeons (AAOS) – Annual Meeting. San Diego, CA, 2017 (Podium)

20. Beckman JT, **Abrams GD**, Safran MR, Giori NJ. Are We Overestimating the Cam Lesion in Adult-Onset FAI? American Association of Orthopedic Surgeons (AAOS) – Annual Meeting. Orlando, FL, 2016.
21. Erickson BJ, Jain A, **Abrams GD**, Nicholson GP, Cole BJ, Romeo AA, Verma NN. Primary SLAP repair: an evolution of treatment. International Congress of Shoulder and Elbow Surgery – Annual Meeting. Jeju, South Korea, 2016.
22. Beckman JT, **Abrams GD**, Safran MR, Giori NJ. Are We Overestimating the Cam Lesion in Adult-Onset FAI? International Society for Hip Arthroscopy (ISHA) – Annual Meeting. London, England, 2015.
23. **Abrams GD**, Luria A, Tendulkar N, Carr RA, Robinson WH, Safran MR, Sokolove J. Chronic Synovial-Based Inflammation in Femoroacetabular Impingement. International Society for Hip Arthroscopy (ISHA) – Annual Meeting. London, England, 2015. (Podium)
24. Wang T, **Abrams GD**, Behn A, Cheung EV. Eccentric Reaming is Biomechanically Superior to Posterior Augment for Posterior Glenoid Wear. California Orthopedic Association (COA) – Annual Meeting. Indian Wells, CA, 2015. (Podium)
25. **Abrams GD**, Luria A, Carr RA, Rhodes C, Robinson WH, Sokolove J. Increased Synovial-Based Inflammation in Glenohumeral Rotator Cuff Tears and Osteoarthritis. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Meeting. Lyon, France, 2015.
26. **Abrams GD**, Luria A, Tendulkar N, Carr RA, Robinson WH, Safran MR, Sokolove J. Chronic Synovial-Based Inflammation in Femoroacetabular Impingement. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Annual Meeting. Lyon, France, 2015.
27. **Abrams GD**, Luria A, Carr RA, Rhodes C, Robinson WH, Sokolove J. Increased Synovial-Based Inflammation in Glenohumeral Rotator Cuff Tears and Osteoarthritis. Arthroscopy Association of North America (AANA) – Annual Meeting. Los Angeles, CA, 2015.
28. **Abrams GD**, Luria A, Tendulkar N, Carr RA, Robinson WH, Safran MR, Sokolove J. Chronic Synovial-Based Inflammation in Femoroacetabular Impingement. Arthroscopy Association of North America (AANA) – Annual Meeting. Los Angeles, CA, 2015.
29. **Abrams GD**, Luria A, Carr RA, Rhodes C, Robinson WH, Sokolove J. Increased Synovial-Based Inflammation in Glenohumeral Rotator Cuff Tears and Osteoarthritis. Orthopedic Research Society (ORS) – Annual Meeting. Las Vegas, NV, 2015.
30. Wang T, **Abrams GD**, Behn A, Cheung EV. Eccentric Reaming is Biomechanically Superior to Posterior Augment for Posterior Glenoid Wear. Orthopedic Research Society (ORS) – Annual Meeting. Las Vegas, NV, 2015. (Podium)

31. Wang T, **Abrams GD**, Behn A, Cheung EV. Posterior Augment Versus Standard Glenoid Prosthesis With Eccentric Reaming For Posterior Glenoid Wear: A Biomechanical Analysis. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. Las Vegas, NV, 2015. (Podium)
32. **Abrams GD**, Safran MR, Shapiro LM, Maloney WM, Goodman SB, Huddleston JI, Bellino MJ, Scuderi GJ. Cytokines As A Predictor Of Clinical Response Following Hip Arthroscopy: Minimum 2-Year Follow-Up. International Society for Hip Arthroscopy (ISHA) – Annual Meeting. Rio de Janeiro, Brazil, 2014. (Podium)
33. Wang T, **Abrams GD**, Behn A, Cheung EV. Posterior Augment Versus Standard Glenoid Prosthesis With Eccentric Reaming For Posterior Glenoid Wear: A Biomechanical Analysis. Association of Shoulder and Elbow Surgeons (ASES) – Closed Meeting. Pinehurst, NC, 2014. (Podium)
34. Wang T, **Abrams GD**, Behn A, Cheung EV. Pegged Posterior Augmented Versus Non-Augmented Glenoids: A Biomechanical Evaluation. Western Orthopedic Association (WOA) – Annual Meeting. Big Island, HI, 2014. (Podium)
35. **Abrams GD**, Hussey KE, Harris JD, Cole BJ. Combined meniscus and osteochondral allograft transplantation: minimum two-year follow-up with an analysis of failures. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Seattle, WA, 2014. (Podium)
36. Tetteh E, **Abrams GD**, Hussey KE, Gupta AK, Cole BJ, Romeo AA, Verma NN. A Prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up. Orthopedic Research Society (ORS) – Annual Meeting. New Orleans, LA, 2014.
37. Tetteh E, **Abrams GD**, Hussey KE, Gupta AK, Cole BJ, Romeo AA, Verma NN. A Prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up. European Society of Sports Traumatology Knee Surgery and Arthroscopy (ESSKA) – Annual Meeting. Amsterdam, The Netherlands, 2014. (Podium)
38. Gupta AK, Erickson BJ, JD Harris, Bach BR, **Abrams GD**, Angielyn SJ, Cole BJ, Bush-Joseph CA, Romeo AA. Performance and return-to-sport after Tommy John surgery in major league baseball pitchers. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Seattle, WA, 2014.
39. McCormick F, Harris JD, Frank RM, Hussey KE, Wilson H, AK Gupta, **Abrams GD**, Bach BR, Cole BJ. Meniscal allograft transplantation reoperation rates, operative findings, and survival analysis: a review of 200 consecutive transplants at minimum two-year follow-up. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Seattle, WA, 2014.
40. Gupta AK, Erickson BJ, JD Harris, Bach BR, **Abrams GD**, Angielyn SJ, Cole BJ, Bush-Joseph CA, Romeo AA. Performance and return-to-sport after Tommy John

surgery in major league baseball pitchers. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014. (Podium)

41. McCormick F, Gupta AK, Bruce BG, Harris JD, **Abrams GD**, Hussey K, Wilson H, Cole BJ. Single-row, double-row and transosseous equivalent rotator cuff repair techniques: a comparative analysis. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014. (Podium)
42. McCormick F, Harris JD, Frank RM, Hussey KE, Wilson H, AK Gupta, **Abrams GD**, Bach BR, Cole BJ. Meniscal allograft transplantation: survival, re-operation rates, and analysis of failures. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014. (Podium)
43. McCormick F, Harris JD, Frank RM, Hussey KE, Wilson H, AK Gupta, **Abrams GD**, Bach BR, Cole BJ. 200 Meniscal Allograft Transplantations; Survival and Re-operation Analysis. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014.
44. Erickson BJ, Harris JD, Cvetanovich GL, **Abrams GD**, Bach BR, Verma NN, Bush-Joseph CA, Cole BJ. Anterior cruciate ligament reconstruction in elite professional athletes. American Academy of Orthopedic Surgery (AAOS) – Annual Meeting. New Orleans, LA, 2014. (Scientific Exhibit)
45. Gupta AK, Erickson BJ, JD Harris, Bach BR, **Abrams GD**, Angielyn SJ, Cole BJ, Bush-Joseph CA, Romeo AA. Performance and return-to-sport after Tommy John surgery in major league baseball pitchers. Mid-America Orthopedic Association (MAOA) – Annual Meeting, San Antonio, TX, 2014. (Podium)
46. **Abrams GD**, Hart MA, Takami K, Bayne CO, Berman MD, Espinoza Orías AA, Martin HD, Kelly BT, Nho SJ. Effect of capsulotomy and capsulectomy on hip stability. Arthroscopy Association of North America (AANA) – Annual Meeting. Hollywood, FL, 2014. (Podium)
47. Harris JD, Hussey K, Saltzman B, Wilson H, **Abrams GD**, Cole BJ. Surgical treatment of isolated lateral compartment cartilage defects. Arthroscopy Association of North America (AANA) – Annual Meeting. Hollywood, FL, 2014. (Podium)
48. McCormick FM, Gupta AK, Bruce B, Harris JD, **Abrams GD**, Hussey K, Wilson H, Cole BJ. Single-row, double-row, and transosseous equivalent rotator cuff repair techniques are effective and equivalent: a case-control comparison of prospective outcomes at minimum two-year follow-up. *Orthopedics Today*. Big Island, Hawaii, 2013.
49. Tetteh E, Hussey KE, **Abrams GD**, Gupta AK, Dhawan A, Karas V, Cole BJ, Romeo AA, Verma NN. A Prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Chicago, IL, 2013. (First Place Poster Award)

50. Gupta AK, Forsythe B, Lee AS, Harris JD, McCormick FM, **Abrams GD**, Verma NN, Inoue N, Cole BJ. Topographic analysis of the glenoid and proximal medial tibial articular surfaces – a search for the ideal match for glenoid resurfacing. American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting. Chicago, IL, 2013.
51. Gupta AK, Harris JD, **Abrams GD**, McCormick F, Nicholson GP, Romeo AA. ORIF vs. Hemiarthroplasty vs. Reverse Shoulder Arthroplasty for 3 and 4-part proximal humerus fractures – a systematic review of 4,500 patients and 92 studies. Paris International Shoulder Course. Paris, France, 2013. (Podium)
52. McCormick FM, Gupta AK, Bruce B, Harris JD, **Abrams GD**, Hussey K, Wilson H, Cole BJ Single-row, double-row, and transosseous equivalent rotator cuff repair techniques are effective and equivalent: a case-control comparison of prospective outcomes at minimum two-year follow-up. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, CA, 2013.
53. Gupta AK, Lee AS, Forsythe B, Harris JD, McCormick FM, **Abrams GD**, Verma N, Cole BJ, Inoue N. Topographic analysis of the glenoid and proximal medial tibia plateau. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, CA, 2013. (Podium)
54. McCormick FM, Cvetanovich G, Kim J, Harris JD, Gupta AK, **Abrams GD**, Romeo AA, Provencher MT. An assessment of the quality of rotator cuff randomized controlled trials: Utilizing the CONSORT Randomized Trial Criteria. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, CA, 2013. (Podium)
55. **Abrams GD**, Safran MR, Maloney WM, Goodman SB, Huddleston JI, Shapiro L, Bellino MJ, Scuderi GJ. Fibronectin-aggrecan complex as a marker for cartilage degradation in non-arthritic hips. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, CA, 2013. (Podium)
56. **Abrams GD**, Safran MR, Sadri H. Spontaneous hip labrum regrowth following initial surgical debridement. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, Canada, 2013.
57. **Abrams GD**, McGarry MH, Jain NS, Freehill MT, Shin S, Cheung EV, Lee TQ, Safran MR. Coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft. International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Congress. Toronto, CA, 2013.
58. Harris JD, Frank JM, Jordan MA, Bush-Joseph CA, Romeo AA, Gupta AK, **Abrams GD**, McCormick FM, Bach BR. Return to sports following shoulder surgery in the elite pitcher: a systematic review. Arthroscopy Association of North American

(AANA) – Annual Meeting. San Antonio, TX, 2013. (Podium - J Whit Ewing Resident/Fellow Clinical Research Award)

59. McCormick FM, Gupta AK, Bruce B, Harris JD, **Abrams GD**, Hussey K, Wilson H, Cole BJ Single-row, double-row, and transosseous equivalent rotator cuff repair techniques are effective and equivalent: a case-control comparison of prospective outcomes at minimum two-year follow-up. Arthroscopy Association of North American (AANA) – Annual Meeting. San Antonio, TX, 2013.
60. Lee AS, Karas V, **Abrams GD**, Riccio M, Yanke A, Forsythe B, Nho SJ, Verma NN, Bush-Joseph C, Bach BR, Cole BJ. Surgeon reliability in calcified cartilage layer removal: open versus arthroscopic technique. Arthroscopy Association of North America (AANA) – Annual Meeting. San Antonio, TX, 2013
61. Pirolo J, Behn A, **Abrams GD**, Bishop JA. Biomechanical analysis of medial and anterolateral plating of distal tibia shaft fractures. Western Orthopedic Association (WOA) – Annual Meeting. Lake Tahoe, CA, 2013.
62. Yanke A, Lee AS, Karas V, Riccio M, **Abrams GD**, Forsythe B, Nho SJ, Verma NN, Bush-Joseph C, Bach BR, Cole BJ. Surgeon reliability in calcified cartilage layer removal: open versus arthroscopic technique. International Cartilage Repair Society (ICRS) World Congress. Ismir, Turkey, 2013. (Podium)
63. **Abrams GD**, Hussey KE, Harris JD, Cole BJ. Clinical results of combined meniscus and osteochondral allograft transplantation: prospective evaluation at minimum two-year follow-up with an analysis of failures. International Cartilage Repair Society (ICRS) World Congress. Ismir, Turkey, 2013.
64. McCormick F, Harris JD, **Abrams GD**, Hussey K, Wilson H, Gupta A, Frank R, Bach B, Cole BJ. Meniscal allograft transplantation: Survival and re-operation analysis for 200 consecutive transplants at minimum two-year follow-up. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013. (Podium)
65. Harris JD, Erickson BJ, **Abrams GD**, Cole BJ. Development of a valid and reliable knee articular cartilage study methodological quality questionnaire. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013.
66. McCormick F, Harris J, **Abrams GD**, Frank R, Hussey K, Wilson H, Gupta A, Bach B, Cole B. Trends in the surgical treatment of articular cartilage lesions: an analysis of a large private payer database over 8 years. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013. (Podium)
67. Harris JD, Hussey K, Saltzman B, Wilson H, **Abrams GD**, Cole BJ. Surgical treatment of isolated lateral compartment cartilage defects. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013.
68. Harris JD, Erickson BJ, **Abrams GD**, Cvetanovich GL, McCormick FM, Gupta AK, Bach BR, Cole BJ. Methodological quality of knee articular cartilage studies.

- International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013. (Podium)
69. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Bach BR, Nho SJ. Complications and re-operations of hip arthroscopy - A systematic review. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013.
70. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Nho SJ. Treatment of femoroacetabular impingement - A systematic review. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013.
71. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Nho SJ. Rehabilitation following hip arthroscopy - A systematic review. International Cartilage Repair Society (ICRS) World Congress. Izmir, Turkey, 2013.
72. **Abrams GD**, Safran MR, Maloney WM, Goodman SB, Huddleston JI, Shapiro L, Bellino MJ, Scuderi GJ. Fibronectin-aggrecan complex as a marker for cartilage degradation in non-arthritic hips. International Society for Hip Arthroscopy (ISHA) – Annual Meeting. Munich, Germany, 2013. (Podium)
73. **Abrams GD**, Hart MA, Takami K, Bayne CO, Berman MD, Espinoza Orías AA, Martin HD, Kelly BT, Nho SJ. Effect of capsulotomy and capsulectomy on hip stability. International Society for Hip Arthroscopy (ISHA) – Annual Meeting. Munich, Germany, 2013. (Podium)
74. Tetteh E, **Abrams GD**, Hussey KE, Gupta AK, Cole BJ, Romeo AA, Verma NN. A Prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up. American Shoulder and Elbow Surgeons (ASES) – Closed Meeting. Las Vegas, NV 2013. (Podium)
75. **Abrams GD**, Lindsey D, Giori N, Cheung E, Safran M. Locked plate fixation of proximal humerus fractures: biomechanical evaluation of screw to subchondral distance and medial calcar support. *Orthopedic Research Society (ORS) – Annual Meeting*. San Francisco, CA, 2012.
76. **Abrams GD**, Golish SR, Olan W, Philippon MJ, Stone JA, Hanna LS, Scuderi GJ. Hip synovial fluid cytokine profiling in osteoarthritis versus labral pathology patient populations. *Orthopedic Research Society (ORS) – Annual Meeting*. San Francisco, CA, 2012.
77. **Abrams GD**, Lindsey D, Giori N, Cheung E, Safran M. Locked plate fixation of proximal humerus fractures: biomechanical evaluation of screw to subchondral distance and medial calcar support. *American Shoulder and Elbow Surgeons (ASES) – Open Meeting*. San Francisco, CA, 2012. (Podium)
78. **Abrams GD**, McGarry MH, Jain NS, Freehill MT, Shin S, Cheung EV, Lee TQ, Safran MR. Coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft. *American Academy of Orthopedic Surgery (AAOS) – Annual Meeting*. San Francisco, CA, 2012. (Podium)

79. **Abrams GD**, Lindsey D, Giori N, Cheung E, Safran M. Biomechanical evaluation of mean articular screw distance and medial calcar support in proximal humerus fractures treated with locked plating. *American Academy of Orthopedic Surgery (AAOS)/American Shoulder and Elbow Surgeons (ASES) 8<sup>th</sup> Biennial Shoulder and Elbow Meeting*. Boca Raton, FL, 2012. (Podium)
80. **Abrams GD**, Bellino MJ, Cheung EV. Risk factors for heterotopic ossification following elbow trauma. *American Academy of Orthopedic Surgery (AAOS)/American Shoulder and Elbow Surgeons (ASES) 8<sup>th</sup> Biennial Shoulder and Elbow Meeting*. Boca Raton, FL, 2012. (Podium)
81. **Abrams GD**, McGarry MH, Jain NS, Freehill MT, Shin S, Cheung EV, Lee TQ, Safran MR. Coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft. *European Society of Sports Traumatology, Knee Surgery, and Arthroscopy*. Geneva, Switzerland, 2012. (Podium)
82. **Abrams GD**, Lindsey D, Giori N, Cheung E, Safran M. Biomechanical evaluation of mean articular screw distance and medial calcar support in proximal humerus fractures treated with locked plating. *European Society of Sports Traumatology, Knee Surgery, and Arthroscopy*. Geneva, Switzerland, 2012.
83. **Abrams GD**, Bellino MJ, Cheung EV. Risk factors for heterotopic ossification of the elbow following fracture fixation. *Western Orthopedic Association – Annual Meeting*. Portland, OR, 2012.
84. **Abrams GD**, Bellino MJ, Cheung EV. Risk factors for heterotopic ossification of the elbow following fracture fixation. *American Shoulder and Elbow Surgeons – Annual Closed Meeting*. Sea Island, GA, 2012.
85. **Abrams GD**, Sheets A, Corazza S, Andriacchi T, Safran M. Kinetic and kinematic analysis of three tennis serve types using a markerless motion capture system. *British Journal of Sports Medicine*. 2011;45:333. *International Olympic Committee World Conference on Prevention of Injury and Illness in Sport*. Monte Carlo, Monaco, 2011.
86. **Abrams GD**, Sheets A, Corazza S, Andriacchi T, Safran M. Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso. *International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS)*. Rio de Janeiro, Brazil, 2011. (Podium)
87. **Abrams GD**, Safran M, Sadri H. Hip labral regrowth after resection: a prospective study. *International Society for Hip Arthroscopy (ISHA) – Annual Meeting*. Paris, France, 2011. (Podium - Richard Villar Excellence in Clinical Research Trainee Award)
88. **Abrams GD**, Gajendran V, Mohler D, Avedian R. Unique methods for removal of a Compress Compliant Pre-Stress implant: case series and techniques. *Connective*

*Tissue Oncology Society (CTOS) – Musculoskeletal Tumor Society (MSTS) Combined Annual Meeting.* Chicago, IL, USA, 2011.

89. Sheets A, Corazza S, **Abrams GD**, Safran M, Andriacchi T. Kinematic differences between the flat, kick, and slice measured using a markerless motion capture method. *American Society of Mechanical Engineering Summer Bioengineering Conference*, Squaw Creek, California, 2009
90. **Abrams GD**, Sheets A, Corazza S, Andriacchi T, Safran M. Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso. *International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicines*, Osaka, Japan, 2009.
91. Corazza S, Sheets A, **Abrams GD**, Safran M, Andriacchi T. Tennis serve analysis using on-the-field markerless motion capture. *North American Congress on Biomechanics*, Ann Arbor, MI, 2008.
92. **Abrams GD**, Sheets A, Corazza S, Andriacchi T, Safran M. Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso. *Society for Tennis Medicine and Science – World Congress*, Tokyo, Japan, 2008. (Podium)
93. **Abrams GD**, Fakhouri NS, Eng CM, Gokhin DS, Ward SR, Lieber RL. Glenohumeral muscle architecture scales with skeletal size. *Orthopaedic Research Society Annual Conference*, San Diego, CA, 2007.
94. Eng CM, Ward SR, Smallwood LH, **Abrams GD**, Lieber RL. Forearm muscle volumes can be accurately obtained from high resolution MRI. *World Congress on Biomechanics*, Munich, Germany, 2006.
95. **Abrams GD**, Ward SR, Fridén J, Lieber RL. Pronator teres, extensor carpi radialis brevis, and extensor pollicis longus muscle architecture: implications for tendon transfer procedures. *Experimental Biology*, San Diego, CA, 2005
96. **Abrams GD**, Ward SR, Fridén J, Lieber RL. Pronator teres, extensor carpi radialis brevis, and extensor pollicis longus muscle architecture: implications for tendon transfer procedures. *Journal of Investigative Medicine*, Vol 53 (1), #215, 2005.

### **Poster Presentations**

1. **Arthroscopy Association of North America (AANA) – Annual Meeting, Los Angeles, CA (4/2015).** Increased Synovial-Based Inflammation in Glenohumeral Rotator Cuff Tears and Osteoarthritis.
2. **Orthopedic Research Society (ORS) – Annual Meeting, Las Vegas, NV (3/2015).** Increased Synovial-Based Inflammation in Glenohumeral Rotator Cuff Tears and Osteoarthritis.

3. **American Orthopedic Society for Sports Medicine (AOSSM) – Annual Meeting, Chicago, IL (7/2013).** A prospective randomized trial of functional outcomes following rotator cuff repair with and without acromioplasty: minimum 2-year follow-up.
4. **Orthopedic Research Society (ORS) – Annual Meeting. San Francisco, CA (2/2012).** Hip synovial fluid cytokine profiling in osteoarthritis versus labral pathology patient populations.
5. **Orthopedic Research Society (ORS) – Annual Meeting. San Francisco, CA (2/2012).** Locked plate fixation of proximal humerus fractures: biomechanical evaluation of screw to subchondral distance and medial calcar support.
6. **Connective Tissue Oncology Society (CTOS) – Musculoskeletal Tumor Society (MSTS) Combined Annual Meeting. Chicago, IL, USA (10/2011);** Unique methods for removal of a Compress Compliant Pre-Stress implant: case series and techniques. (non-presenter)
7. **International Olympic Committee World Conference on Prevention of Injury and Illness in Sport. Monte Carlo, Monaco (4/2011).** Kinetic and kinematic analysis of three tennis serve types using a markerless motion capture system. (non-presenter)
8. **International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Annual Conference, Osaka, Japan (4/2009);** Comparison of tennis serves using an novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso.
9. **Orthopaedic Research Society Annual Conference, San Diego, CA (2/2007);** Rotator cuff muscle architecture scales with skeletal size.
10. **Experimental Biology Annual Conference, San Diego, CA (4/2005);** Pronator teres, extensor carpi radialis brevis, and extensor pollicis longus muscle architecture: implications for tendon transfer.

### **Research and Grant Support**

1. **National Institutes of Health, R01-AR07760401 – Rapid Low Cost Quantitative 3D MRI and Gait Assessment of the Knee (Collaborator Role, Brian Hargreaves PhD as PI)**
2. **Exactech Inc. – An Open Label, Multi-Center, Retrospective and Prospective Evaluation of Shoulder Arthroplasty Clinical and Radiographic Outcomes (\$971,000), October 2021 – March 2024 (Principle Investigator)**
3. **OrthoFix Inc. – Prospective, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Safety and Efficacy of Pulsed Electromagnetic Field (PEMF) Therapy**

as an Adjunctive Treatment to Surgical Repair of Full Thickness Rotator Cuff Tears (\$1,300,000), May 2019 – May 2024 (Principle Investigator)

4. **Aesculap Biologics, LLC (AAG-G-H-1220):** A Phase 3 Prospective, Randomized, Partially Blinded Multi-Center Study to Measure the Safety and Efficacy of NOVOCART® 3D, Compared to Microfracture in the Treatment of Articular Cartilage Defects (Co-Investigator) - Industry Sponsored
5. **American Foundation for Surgery of the Hand,** Research Grant (\$20,000) October 2016 – September 2017 (Collaborator Role - Collagen Hydrogel For Enhanced Healing Of Chronic Rotator Cuff Tears).
6. **Orthopedic Research and Education Foundation (OREF),** Resident Research Grant (\$5,000) July 2010 – June 2011 (PI Role – Biomechanical Stability of Glenoid Prostheses With Varying Cementation Techniques)
7. **National Heart, Lung, and Blood Institute,** Grant #5T35HL007491-24 (\$5,400) June 2004 – September 2004 (PI Role – Forearm Skeletal Muscle Architecture)

### **Electronic Publications**

1. **Abrams GD.** Commentary on “Trends in meniscus repair and meniscectomy in the United States, 2005-2011.” MDLink. Available at: <http://www.mdlinx.com/orthopedics/news-article.cfm/4863778>. October 12, 2013.
2. **Abrams GD.** Commentary on “Spontaneous hip labrum regrowth after initial surgical debridement.” MDLink. Available at: <http://www.mdlinx.com/orthopedics/news-article.cfm/4721255/surgical-debridement>. August 8, 2013.
3. **Abrams GD.** Commentary on “Biomechanical evaluation of a coracoclavicular and acromioclavicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft.” MDLink. Available at <http://www.mdlinx.com/orthopedics/news-article.cfm/4388645>. February 10, 2013.

### **Journal Editorial Board**

- Arthroscopy (2021 – present)
- Journal of Cartilage and Joint Preservation (2022 – present)

### **Journal Reviewer**

- American Journal of Sports Medicine - Principle Reviewer (2018-present)
- American Journal of Sports Medicine (2013 – 2018)
- Journal of Bone and Joint Surgery (2018-present)
- British Journal of Sports Medicine (2018-present)

- Arthroscopy (2012 – 2021)
- Scientific Reports (2018-present)
- Journal of the International Society for Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (2017-present)
- Journal of the American Academy of Orthopedic Surgeons (2016-present)
- Journal of Hip Preservation Surgery (2015 – 2019)
- Journal of Shoulder and Elbow Surgery (2012 – present)
- Medicine and Science in Sports and Exercise (2011 – 2015)

### **Committee Service**

- Sports Medicine/Arthroscopy Program Committee - American Academy of Orthopedic Surgeons (AAOS) (2023-present)
- Co-Program Chair – Western Orthopedic Association Annual Meeting (2022)
- Sports Medicine Evaluation Committee – American Academy of Orthopedic Surgeons (AAOS) (2017-2023)
- Stanford University School of Medicine – Faculty Senate (2017-present)
- Stanford University Orthopedic Surgery Residency Program Evaluation Committee (2017-present)
- Stanford University Student Athlete Research Oversight Committee (2016-present)
- School of Medicine Office of MD Admissions – File Review Sub-Committee (2018 – 2021)
- Shoulder Committee – International Society of Arthroscopy, Knee Surgery and Orthopedic Sports Medicine (ISAKOS) (2015-2020)
- Research Committee – American Orthopedic Society for Sports Medicine (AOSSM) (2015-2019)
- Research Committee – Arthroscopy Association of North America (AANA) (2015-2017)
- Stanford University Orthopedic Resident Clinical Competency Committee (2013 – 2016)
- Stanford University Orthopedic Surgery Grand Rounds Committee (2013-2014)

### **Team/School Physician Service**

- Head Team Physician
  - Stanford University Women’s Basketball (2013 – present)
  - Stanford University Men’s Tennis Team (2013 – present)
  - Stanford University Men’s Gymnastics Team (2014 – present)
  - Notre Dame de Namur University (2013 – present)
- Associate Team Physician
  - San Francisco 49ers (NFL) (2016-present)
  - Golden State Warriors (NBA) (2013 – 2019)

### **Other Team Coverage**

- Chicago Bulls Professional Basketball (2012-2013)
- Chicago White Sox Professional Baseball (2012)
- DePaul University Men's and Women's Soccer and Basketball (2012-2013)
- Chicago Steel Minor League Ice Hockey (2012-2013)
- Chicago Riot Rugby (2013)
- Roosevelt College Basketball (2012)
- Chicago Force Women's Football (2012)
- Oak Park and Morton Grove High School Football (2012)

### **Course Instructor**

1. Stanford University Sports Medicine Fellow Skills Lab (PLC/PCL) (5/2022)
2. Stanford University Sports Medicine Fellows Arthroscopy Lab – Fremont, CA (5/2021)
3. Stanford University Resident Skills Arthroscopy Lab – Fremont, CA (9/2019) – Course Organizer
4. Stanford University Human Biology 139S – Sports Medicine (Undergraduate)
  - a. Lead Instructor, Spring 2017
  - b. Lead Instructor, Spring 2018
  - c. Co-Lead Instructor, Spring 2019
  - d. Co-Lead Instructor Spring 2020
5. Stanford University Resident Skills Arthroscopy Lab – Fremont, CA (9/2018) – Course Organizer
6. Stanford University Sports Medicine Fellow Skills Lab (PLC/TTO) (5/2018)
7. Stanford University Resident Skills Arthroscopy Lab – Tracy, CA (9/2017) – Course Organizer
8. Stanford University Sports Medicine Fellow Skills Lab (PLC/TTO) (5/2017)
9. Stanford University Intern Arthroscopic Skills Lab (5/2017)
10. Stanford University Resident Skills Lab Knee Arthroscopy Instructor (9/2016)
11. Stanford University Resident Skills Lab Knee Arthroscopy Instructor (7/2015)
12. Stanford University Sports Medicine Fellow Knee Ligament Reconstruction Instructor (2/2016)
13. Stanford University Resident Skills Lab Shoulder Arthroscopy Instructor (7/2015)
14. Stanford University Intern/Resident Knot Tying Skills Lab (4/2015)
15. Stanford University Intern/Resident Shoulder Arthroscopy Skills Lab (3/2015)
16. Stanford University Resident Arthroscopy Skills Lab (12/2014)
17. AANA Masters Hip Arthroscopy Surgical Skills Course (9/2014)
18. Stanford University Resident Shoulder Arthroscopy Skills Lab (8/2014)
19. Stanford University Resident Shoulder Arthroscopy Skills Lab (8/2014)
20. Rush University Resident Shoulder Arthroscopy Motor Skills Lab (7/2013)
21. Rush University Resident Elbow Arthroscopy Motor Skills Lab (5/2013)
22. Rush University Resident Knee Arthroscopy Motor Skills Lab (10/2012)
23. Rush University Resident Knee Arthroscopy Motor Skills Lab (4/2013)
24. AANA Resident Arthroscopy Course (9/2012)

### **Invited Lectures**

1. “Multi-ligament Knee Injuries – Current Sports Medicine Concepts” – Stanford University Department of Orthopedic Surgery Grand Rounds (6/2022)
2. “Biological Update – Tendon and Muscle” – British Orthopedic Sports Trauma and Arthroscopy Association – Annual International Conference (6/2021)
3. “Osteoarthritis – It’s Not Just Wear and Tear” – American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting (3/2019) – Instructional Course Lecture
4. “Inflammation in Tendinopathy” – Stanford University School of Medicine Medical Student Lecture Series (9/2018)
5. “What’s New in MDI – 2018” – American Orthopedic Society of Sports Medicine (AOSSM), Annual Meeting (7/2018)
6. “What’s New in Tendinopathy” – Stanford University Grand Rounds (6/2018)
7. “Micro-RNA in Tendinopathy” – Stanford University Disputation Lectures (6/2018)
8. “Shoulder Instability” – Stanford University PM&R Resident Lecture Series (4/2018)
9. “Osteoarthritis – It’s Not Just Wear and Tear” – American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting (3/2018) – Instructional Course Lecture
10. “SLAP Tears and Biceps Pathologies” – Stanford Sports Medicine Lecture Series (2/2018)
11. “Orthopedic Knee Exam” – Orthopedics 201, Stanford University School of Medicine (2/2018)
12. “Sports Medicine for the Weekend Warrior and Corporate Athlete” – Cisco Men’s Health Symposium (1/2018)
13. “Bone Augmentation Procedures for Shoulder Instability” - International Society for Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Meeting. Shanghi, China (6/2017)
14. “Micro-RNA in tendinopathy pathogenesis” – Research Spotlight Dinner, Stanford University School of Medicine (5/2017)
15. “Osteoarthritis – It’s Not Just Wear and Tear” – American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting (3/2017) – Instructional Course Lecture
16. “Orthopedic Knee Exam” – Orthopedics 201, Stanford University School of Medicine (3/2017)
17. “Shoulder Instability and Labral Injury - Stanford University Department of Orthopedic Surgery, Resident Core Course (2/2017)
18. “Vitamin D and Skeletal Muscle” – Stanford University School of Medicine 97Q (12/2016)
19. “Rotator Cuff Disease” – Stanford University Department of Orthopedic Surgery, Resident Core Course (10/2016)
20. “Vitamin D and Skeletal Muscle” – Stanford University Department of Orthopedic Surgery Grand Rounds (6/2016)
21. “ACL Injury and Reconstruction Techniques” – Resident Core Course, Stanford University Department of Orthopedic Surgery (4/2016)
22. “Meniscus Evaluation and Treatment” – Physical Medicine and Rehabilitation Resident Lecture Series, Stanford University (3/2016)
23. “Osteoarthritis – It’s Not Just Wear and Tear” – American Academy of Orthopedic Surgeons (AAOS) – Annual Meeting (3/2016) – Instructional Course Lecture
24. “Post Surgical Capsular Deficiency and Secondary Hip Instability” – International Society for Hip Arthroscopy (ISHA) – Annual Meeting (9/2015)
25. “Arthroscopic Treatment of FAI – Optimizing Outcomes” – Thailand Orthopedic Society for Sports Medicine (TOSSM) – Annual Meeting (7/2015)

26. “How to Approach MDI – Surgical Indications” – Thailand Orthopedic Society for Sports Medicine (TOSSM) – Annual Meeting (7/2015)
27. “Biomechanics of the Tennis Serve” – Thailand Orthopedic Society for Sports Medicine (TOSSM) – Annual Meeting (7/2015)
28. “Musculoskeletal Injuries in the Tennis Player” – Thailand Orthopedic Society for Sports Medicine (TOSSM) – Annual Meeting (7/2015)
29. “ACL Reconstruction” – Thailand Orthopedic Society for Sports Medicine (TOSSM) – Annual Meeting (7/2015)
30. “Management of Glenoid Bone Loss in Shoulder Instability” – Bangkok Hospital Sports Medicine Conference (7/2015)
31. “Management of Labral Lesions and Biceps/SLAP Tears” – Bangkok Hospital Sports Medicine Conference (7/2015)
32. “The Meniscus: From Debridement to Transplantation” – Bangkok Hospital Sports Medicine Conference (7/2015)
33. “The Meniscus: From Debridement to Transplantation” – Siriraj University, Department of Orthopedic Surgery, Grand Rounds (7/2015)
34. “Performance Enhancing Drugs” – Sports Medicine Conference Series, Stanford University (6/2015)
35. “When to Refer for Shoulder Pathology” – Primary Care Musculoskeletal Course, VA Hospital Palo Alto (4/2015, 5/2015)
36. “Evaluation and Treatment of Rotator Cuff Pathology” - Physical Medicine and Rehabilitation Resident Lecture Series, Stanford University (3/2015)
37. “Management of Shoulder Instability With and Without Glenoid Bone Loss” – Stanford University Department of Orthopedic Surgery Grand Rounds (10/2014)
38. “Subspinous Impingement – AIIS: Morphology and Etiology” – International Society for Hip Arthroscopy, Annual Meeting (10/2014)
39. “Imaging of the Hip With MRI” – International Society for Hip Arthroscopy, Annual Meeting (10/2014)
40. “The Role of Chronic Inflammation in Osteoarthritis of the Shoulder” – Disputation Day, Stanford University Department of Orthopedic Surgery (6/2014)
41. “Performance Enhancing Drugs” – Sports Medicine Conference, Stanford University (5/2014)
42. “Meniscus Evaluation and Treatment” – Physical Medicine and Rehabilitation Resident Lecture Series, Stanford University (6/2014)
43. “Top 5 Papers in Elbow Surgery in Past Year” – California Orthopedic Association, Annual Meeting, Monterrey, CA (5/2014)
44. “Anatomic and Biological Basis for Glenohumeral Osteoarthritis and Rotator Cuff Pathology” – Grand Rounds, Department of Orthopedic Surgery, Stanford University (3/2014)
45. “ACL Reconstruction Technique – Anatomic Reconstruction” – Staff Lecture Series, Sports Medicine Department, Stanford University (1/2013)
46. “Shoulder Exam and Instability” – Medical Student Lecture Series, Stanford University (9/18/13)
47. “Revision Rotator Cuff Repair: Diagnosis and Management” – Sports Medicine Conference, Rush University Medical Center (6/2013)
48. “Hyaline Cartilage Tissue Engineering” – Grand Rounds, Department of Orthopedic Surgery, Stanford University (4/2011)

### **Program Chair**

- Co-Program Chair, Western Orthopedic Association (WOA) Annual Meeting (2022)

### **Meeting Session Moderator**

- Tendinopathy – What’s New and What Works? – AAOS ICL (2019-2022)
- Biologics and Cartilage: Practical Applications and State of the Art in 2019 – American Orthopedic Society for Sports Medicine – Annual Meeting. Boston, MA (2019)
- ICL #1 – Traumatic Anterior Shoulder Instability: Repair vs. Augment – When and How? - International Society for Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS) – Biennial Meeting. Shanghai, China (6/2017)
- Sports and Trauma Case Reports – International Society for Hip Arthroscopy (ISHA) – Annual Meeting. Cambridge, England (9/2015)
- Research Award Session – California Orthopedic Association (COA) – Annual Meeting. Monterey, CA (8/2015)

### **Professional Experience**

- Research Analyst, Prescription Solutions/PacifiCare Health Systems (5/2002 – 5/2003)
  - Performed pharmacoeconomic research for the Pharmacy and Therapeutics Committee of the pharmacy benefits manager and managed care organization (40 hours/week)

### **Mentees**

1. Michelle Xiao – Undergraduate
2. K.C. Iglinski-Benjamin – Research/Lab
3. Kimberly Hall, MD – Resident
4. Eric Sarkissian, MD – Resident
5. Tyler Johnston, MD – Resident
6. Rebecca Carr – Research/Lab
7. Dan Greenberg – Medical Student
8. Jeremy Dubin – Research/Lab
9. Rachael Madding – Research/Lab
10. Joshua Sampson – Research/Lab

### **Honors and Awards**

1. Resident/Fellow Research Award for paper titled, “*Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers Does Not Decrease Spin Rate*” at American Shoulder and Elbow (ASES) Foundation Meeting, San Francisco, California, September 2021
2. Top Abstract (Kastinon et al.) – American Academy of Physical Medicine and Rehabilitation – Annual Assembly, Nashville, Tennessee (2021)

3. Likelihood to Recommend Care Provider Score (>90% Nationally) – Stanford University Hospital and Clinics (2019)
4. Most Cited Publication From 2013-2018 – Journal of Arthroscopy and Related Research (2019)
5. Teacher of the Year Award – Stanford University Department of Orthopedic Surgery (2018)
6. American Orthopedic Society of Sports Medicine (AOSSM) Travelling Fellowship – Europe (2018)
7. Likelihood to Recommend Care Provider Score (>90% Nationally) – Stanford University Hospital and Clinics (2018)
8. Lloyd W. Taylor, M.D. Resident Award – California Orthopedic Association Annual Meeting (2015) (mentorship of resident project)
9. Top 10 Poster – Arthroscopy Association of North America (AANA) Annual Meeting (2015)
10. First Place Poster Award – American Orthopedic Society of Sports Medicine Annual Meeting (2013) (co-author)
11. J. Whit Ewing Resident/Fellow Clinical Research Award – Arthroscopy Association of North America Annual Meeting (2013) (co-author)
12. Resident Research Award, Department of Orthopedic Surgery, Stanford University (2012)
13. Richard Villar Excellence in Clinical Research Trainee Award – International Society of Hip Arthroscopy Annual Meeting (2011)
14. Orthopedic Research and Education Foundation (OREF) Resident Research Grant recipient (2009)
15. Samuel B. Hamburger Memorial Thesis Award (Most Outstanding Medical School Graduating Thesis) (2007)
16. National Institutes of Health (NIH) Summer Scholar Grant recipient (2004)
17. NCAA All-American, Stanford University Tennis (2000)
18. Nominee, NCAA Post-Graduate Scholarship (2000)

### **Professional Memberships**

- American Academy of Orthopedic Surgery (AAOS)
- American Orthopedic Society of Sports Medicine (AOSSM)
- American Shoulder and Elbow Surgeons (ASES)
- International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS)
- California Orthopedic Association (COA)
- Western Orthopedic Association (WOA)
- National Football League Physicians Society (NFLPS) (2017 – present)
- National Basketball Association Physicians Association (NBAPA) (2014 – 2019)
- Stanford Bio-X