

# Curriculum Vitae

## Geoffrey D. Abrams, MD

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### Education

9/96-6/00	<b>Stanford University</b> Bachelor of Arts (B.A.), Human Biology – Neuroscience	<b>Stanford, CA</b>
9/03-6/07	<b>University of California, San Diego</b> Doctor of Medicine (M.D.)	<b>San Diego, CA</b>

### Post-Doctoral Training

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

### Academic Appointments

8/12-7/13	<b>Rush University Medical Center</b> Clinical Instructor	<b>Chicago, IL</b>
9/13-pres	<b>Veterans Administration Hospital, Palo Alto</b> Attending Physician	<b>Palo Alto, CA</b>
10/13-pres	<b>Stanford University Hospital and Clinics</b> Assistant Professor, Medical Center Line	<b>Stanford, CA</b>

### Licensure and Certification

- California Medical License: A105050 (2008)
- Drug Enforcement Administration (DEA): Provided upon request (2008)
- California Fluoroscopy Supervisor and Operator: RHC 00167765 (2010)

- American Board of Orthopedic Surgery – Board Eligible (2012)
- Illinois Medical License: 036.129829 (2012)

### **Peer Reviewed Publications**

1. White TJ, Vanderplas A, Chang E, Dezii CM, **Abrams GD**. The costs of non-adherence to oral anti-hyperglycemic medication in individuals with diabetes mellitus and concomitant diabetes mellitus and cardiovascular disease in a managed care environment. *Disease Management and Health Outcomes*. 2004;12(3):181-8.
2. **Abrams GD**, Ward SR, Fridén J, Lieber RL. Pronator teres is an appropriate donor muscle for restoration of wrist and thumb extension. *Journal of Hand Surg (Am)*. 2005;30(5):1068-73.
3. Eng CM, **Abrams GD**, Smallwood LR, Lieber RL, Ward SR. Muscle geometry affects accuracy of forearm volume determination by magnetic resonance imaging. *Journal of Biomechanics*. 2007;40(14):3261-66.
4. **Abrams GD**, Safran MR. Diagnosis and management of superior labrum anterior posterior lesions in overhead athletes. *British Journal of Sports Medicine*. 2010;44(5):311-318.
5. Sheets AL, **Abrams GD**, Corazza S, Safran MR, Andriacchi T. Kinematics differences between the flat, kick and slice serves measured using a markerless motion capture method. *Annals of Biomedical Engineering*. 2011;39:3011-20.
6. **Abrams GD**, Safran MR. Musculoskeletal injuries in the tennis player. *Minerva Ortopedica e Traumatologica*. 2011;62(4):311-329.
7. **Abrams GD**, Sheets AL, Andriacchi TP, Safran MR. Review of tennis serve motion analysis and the biomechanics of three serve types with implications for injury. *Sports Biomechanics*. 2011;10:378-90.
8. **Abrams GD**, Safran MR. MRI – arthroscopy correlations of the elbow: a case-based approach. *Instructional Course Lectures*. 2012;61:235-49.
9. **Abrams GD**, Gajendran VK, Mohler DG, Avedian RS. Surgical technique: methods for removing a compress compliant pre-stress implant. *Clinical Orthopedics and Related Research*. 2012;470:1204-12.
10. **Abrams GD**, Safran MR. Epidemiology of musculoskeletal injuries in tennis players. *British Journal of Sports Medicine*. 2012;46:492-8.
11. **Abrams GD**, Bishop JA. Use of an inflatable pressure bag pump for medial and lateral surgical approaches to the leg. *Foot and Ankle International*. 2012;33(9):795-7.

12. **Abrams GD**, Bellino MJ, Cheung EV. Risk factors for development of heterotopic of the elbow after fracture fixation. *Journal of Shoulder and Elbow Surgery*. 2012;21(11):1550-4.
13. **Abrams GD**, Corazza S, Andriacchi T, Safran MR. Biomechanical analysis of three tennis serve types using a markerless system. In Press, *British Journal of Sports Medicine*.
14. **Abrams GD**, McGarry MH, Jain NS, Freehill MT, Shin S, Cheung EV, Lee TQ, Safran MR. Biomechanical evaluation of a coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft. *Journal of Shoulder and Elbow Surgery*. 2013;22(7):979-85.
15. Harris JD, Gupta AK, Mall NA, **Abrams GD**, McCormick FM, Bach BR, Romeo AA. Long term outcomes after Bankart shoulder stabilization surgery: a systematic review. *Arthroscopy*. 2013;29:920-33.
16. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Ellis TJ, Bush-Joseph C, Nho SJ. Complications and re-operations after hip arthroscopy: a systematic review of 92 Studies and Over 6,000 Patients. *Arthroscopy*. 2013;29:589-95.
17. **Abrams GD**, Safran MR, Sadri H. Spontaneous hip labrum re-growth following initial surgical debridement. *Clinical Orthopedics and Related Research*. 2013;471(8):2504-8.
18. 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. In Press, *Journal of Shoulder and Elbow Surgery*.
19. 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. In Press, *American Journal of Sports Medicine*.
20. 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. In Press, *Sports Health*.
21. **Abrams GD**, Mall NA, Cole BJ. BioCartilage – Use in the treatment of chondral defects. In Press, *Operative Techniques in Sports Medicine*.
22. Cvetanovich GL, McCormick F, MD, Erickson B, Gupta AK, **Abrams GD**, Harris JD, Romeo AA, Bach BR, Provencher MT. The posterolateral portal: optimizing anchor placement and labral repair at the inferior glenoid. In press, *Arthroscopy Techniques*.
23. **Abrams GD**, Frank RM, Fortier LA, Hussey KE, Cole BJ. Platelet rich plasma for articular cartilage restoration. In Press, *Sports Medicine and Arthroscopy Review*.

24. Gupta AK, McCormick FM, **Abrams GD**, Harris JD, Romeo AA, Bach BR, Verma NN. Arthroscopic bony Bankart fixation using a modified Sugaya technique: surgical technique and video illustration. In Press, *Arthroscopy Techniques*.
25. **Abrams GD**, Alentorn-Geli E, Harris JD, Cole BJ. Treatment of lateral tibial plateau osteochondritis dissecans lesion with subchondral injection of calcium phosphate. In Press, *Arthroscopy Techniques*.
26. Harris JD, Erickson BJ, **Abrams GD**, Cvetanovich GL, McCormick FM, Gupta AK, Bach BR, Cole BJ. Methodologic quality of knee articular cartilage studies. *Arthroscopy*. 2013;29(7):1243-1252.
27. Frank RM, McCormick FM, Harris JD, Gupta AK, **Abrams GD**, Erickson B, Bach BR. Diagnostic knee arthroscopy: surgical technique. In Press, Orthopedic Knowledge Online Journal.
28. Harris JD, **Abrams GD**, Hellman MD, Yanke AB, Erickson BJ, Bach BR. Suture anchor repair of quadriceps tendon rupture - Surgical technique, case report and review of literature. In Press, Orthopedics.
29. McCormick FM, Slikker W, Harris JD, Gupta AK, **Abrams GD**, Frank J, Nho SJ. Evidence of capsular defect following hip arthroscopy. In Press, Knee Surgery, Sports Traumatology, Arthroscopy.
30. **Abrams GD**, Frank RM, Gupta AK, Harris JD, McCormick FM, Cole BJ. Trends in meniscus repair and meniscectomy in the United States: 2005-2011. In Press, *American Journal of Sports Medicine*.
31. Erickson BJ, Harris JD, Bach BR, **Abrams GD**, Cvetanovich GL, Forsythe B, McCormick FM, Gupta AK, Cole BJ. Return-to-sport and performance after anterior cruciate ligament reconstruction in National Basketball Association players. In Press, *Sports Health*.
32. Harris JD, Erickson BJ, Bach BR, Bush-Joseph CA, **Abrams GD**, Gupta AK, McCormick FM, Cole BJ. Performance and return-to-sport after anterior cruciate ligament reconstruction in male major league soccer players. In Press, *Orthopedic Journal of Sports Medicine*.
33. Gupta AK, Chalmers PN, Rahman ZZ, Bruce B, Harris JD, McCormick F, **Abrams GD**, Nicholson GP. Reverse total shoulder arthroplasty in patients of varying body mass index. In Press, *Journal of Shoulder and Elbow Surgery*.
34. Gupta AK, **Abrams GD**, Nho SJ. What's new in femoroacetabular impingement surgery: Will we be better in 2022? In Press, *Sports Health*.
35. Harris JD, **Abrams GD**, Bach BR, Williams D, Heidloff D, Bush-Joseph CA, Verma NN, Forsythe B, Cole BJ. Guidelines to determine return to sport following anterior cruciate ligament reconstruction - a systematic review of Level I evidence randomized controlled trials. In Press, *Orthopedics*.

36. Harris JD, **Abrams GD**, Hellman MD, Yanke AB, Erickson BJ, Bach BR. Suture anchor repair of quadriceps tendon rupture - Surgical technique, case report and review of literature. In Press, *Orthopedics*.
37. 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. In Press, *American Journal of Sports Medicine*.

### **Other Publications**

1. **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.
2. **Abrams GD**, Cole BJ. Hyaluronic acid and platelet rich plasma, intra-articular infiltration in the treatment of gonarthrosis: Letter to the editor. *American Journal of Sports Medicine*. 2013;41(5):NP27.

### **Podium Presentations**

1. **American Federation for Medical Research, Western Conference, Carmel, CA (2/2005)**; Architectural characteristics of pronator teres and the implications for tendon transfer surgery.
2. **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.
3. **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.
4. **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.
5. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, Paris, France (10/2011)**; Hip labral regrowth after resection: a prospective study.
6. **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.

7. **American Academy of Orthopedic Surgery (AAOS) – Annual Meeting, San Francisco, CA, USA (2/2012)**; Coracoclavicular and acromioclavicular ligament reconstruction with a continuous intramedullary tissue graft.
8. **American Academy of Orthopedic Surgery (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.
9. **American Academy of Orthopedic Surgery (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 medical calcar support in proximal humerus fractures treated with locked plating.
10. **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.
11. **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.
12. **International Society for Hip Arthroscopy (ISHA) – Annual Meeting, Munich, Germany (10/2013)**. Effect of capsulotomy and capsulectomy on hip stability.
13. **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.

### **Scientific Exhibits**

1. 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. **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.
2. **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

3. 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.
4. **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.
5. 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.
6. **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)
7. 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
8. **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.
9. **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.
10. **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)
11. **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)
12. **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.

13. **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.
14. **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.
15. **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)
16. **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)
17. **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)
18. **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)
19. **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)
20. **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.
21. **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.
22. **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.



23. 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.
24. 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)
25. 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.
26. 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)
27. 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.
28. 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)
29. 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)
30. **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)

31. **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.
32. **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.
33. 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)
34. 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.
35. 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 – Annual Meeting. San Antonio, TX, 2013
36. Pirolo J, Behn A, **Abrams GD**, Bishop JA. Biomechanical analysis of medial and anterolateral plating of distal tibia shaft fractures. Western Orthopedic Association – Annual Meeting. Lake Tahoe, CA, 2013.
37. 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 World Congress. Ismir, Turkey, 2013. (Podium)
38. **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 World Congress. Ismir, Turkey, 2013.
39. 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 World Congress. Izmir, Turkey, 2013. (Podium)

40. 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 World Congress. Izmir, Turkey, 2013.
41. 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 World Congress. Izmir, Turkey, 2013. (Podium)
42. Harris JD, Hussey K, Saltzman B, Wilson H, **Abrams GD**, Cole BJ. Surgical treatment of isolated lateral compartment cartilage defects. International Cartilage Repair Society World Congress. Izmir, Turkey, 2013.
43. 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 World Congress. Izmir, Turkey, 2013. (Podium)
44. 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 World Congress. Izmir, Turkey, 2013.
45. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Nho SJ. Treatment of femoroacetabular impingement - A systematic review. International Cartilage Repair Society World Congress. Izmir, Turkey, 2013.
46. Harris JD, McCormick FM, **Abrams GD**, Gupta AK, Nho SJ. Rehabilitation following hip arthroscopy - A systematic review. International Cartilage Repair Society World Congress. Izmir, Turkey, 2013.
47. **Abrams GD**, Safran MR, Maloney WM, Goodman SB, Huddleston JI, Shapiro L, Bellino MJ, Scuderi GJ. Fibronectin-aggreacan complex as a marker for cartilage degradation in non-arthritis hips. International Society for Hip Arthroscopy – Annual Meeting. Munich, Germany, 2013. (Podium)
48. **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 – Annual Meeting. Munich, Germany, 2013. (Podium)
49. 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)
50. 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.

51. 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.
52. 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)
53. 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)
54. 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)
55. 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.
56. 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)
57. 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)

### **Book Chapters**

1. **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.
2. **Abrams GD**, Safran MR. “Distal Biceps Injuries,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.

3. **Abrams GD**, Safran MR. “Distal Triceps Injuries,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
4. **Abrams GD**, Safran MR. “Lateral Epicondylitis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
5. **Abrams GD**, Safran MR. “Medial Epicondylitis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
6. **Abrams GD**, Safran MR. “Medial Elbow Instability,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
7. **Abrams GD**, Safran MR. “Posterolateral Elbow Instability,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
8. **Abrams GD**, Safran MR. “Valgus Extension Overload,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
9. **Abrams GD**, Safran MR. “Pediatric Elbow Conditions,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
10. **Abrams GD**, Safran MR. “Elbow Nerve Entrapment Syndromes,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
11. **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.
12. **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.
13. **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.
14. **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.

15. **Abrams GD**, Safran MR. “Elbow Bursitis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
16. **Abrams GD**, Safran MR. “Elbow Arthritis,” in Presentation, Imaging, and Treatment of Common Musculoskeletal Conditions. Eds: Miller MD, Sanders T. Philadelphia, PA: Elsevier, 2011.
17. **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.
18. **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
19. **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.
20. **Abrams GD**, Harris JD, Safran MR. “Portal Placement,” in Hip Arthroscopy and Hip Joint Preservation Surgery. Eds: Nho SJ, Leunig M, Larson C, Bedi A, Kelly B. New York, NY: Springer, 2013.
21. Harris JD, Slikker W, **Abrams GD**, Nho SJ. “Atraumatic Microinstability and Surgical Technique,” in Hip Arthroscopy and Hip Joint Preservation Surgery. Eds: Nho SJ, Leunig M, Larson C, Bedi A, Kelly B. New York, NY: Springer, 2013

### **Poster Presentations**

1. **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
2. **Orthopaedic Research Society Annual Conference, San Diego, CA (2/2007)**; Rotator cuff muscle architecture scales with skeletal size
3. **International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Annual Conference, Osaka, Japan (4/2009)**; Comparison of tennis serves using a novel markerless three-dimensional video-based method for determining kinematics and kinetics of the upper extremity and torso.
4. **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)

5. **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)
6. **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.
7. **Orthopedic Research Society (ORS) – Annual Meeting. San Francisco, CA (2/2012)**. Hip synovial fluid cytokine profiling in osteoarthritis versus labral pathology patient populations.
8. **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.

### **Grant Support**

1. **National Heart, Lung, and Blood Institute**, Grant #5T35HL007491-24 (\$5,400) June 2004 – September 2004
2. **Orthopedic Research and Education Foundation (OREF)**, Resident Research Grant (\$5,000) July 2010 – June 2011

### **Electronic Publications**

1. **Abrams GD**. Commentary on “Biomechanical evaluation of a coracoclavicular and acromioclavicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft.” MDLinx. Available at <http://www.mdlinx.com/orthopedics/news-article.cfm/4388645>. February 10, 2013.
2. **Abrams GD**. Commentary on “Spontaneous hip labrum regrowth after initial surgical debridement.” MDLinx. Available at: <http://www.mdlinx.com/orthopedics/news-article.cfm/4721255/surgical-debridement>. August 8, 2013.
3. **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.

### **Submitted Manuscripts**

1. Mall NA, **Abrams GD**, Azar FM, Traina SM, Answorth AA, Parker R, Cole BJ. Trends in primary and revision ACL reconstruction among National Basketball Association Team Physicians. Submitted, *American Journal of Orthopedics*.
2. 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. Submitted, *Journal of Shoulder and Elbow Surgery*.
3. McCormick FM, Harris JD, **Abrams GD**, Frank RM, Hussey KE, Wilson H, Gupta AK, Bach BR, Cole BJ. Meniscal allograft transplantation: survival analysis with an analysis of failures for 200 consecutive transplants at minimum two-year follow-up. Submitted, *American Journal of Sports Medicine*.
4. **Abrams GD**, Hussey KE, Harris JD, Cole BJ. Clinical results of combined meniscus and femoral osteochondral allograft transplantation: minimum two-year follow-up with an analysis of failures. Submitted, *Arthroscopy*.
5. **Abrams GD**, Harris JD, Gupta AK, McCormick FM, Bush-Joseph CA, Verma NN, Cole BJ, Bach BR. Results of functional performance testing following anterior cruciate ligament reconstruction: a systematic review. Submitted, *Orthopedic Journal of Sports Medicine*.
6. **Abrams GD**, Gupta AK, Hussey KE, Tetteh ES, Karas V, Bach BR, Cole BJ, Romeo AA, Verma NN. Arthroscopic repair of full thickness rotator cuff tears with and without acromioplasty: randomized prospective trial with two year follow-up. Submitted, *American Journal of Sports Medicine*.

**Manuscripts in Preparation** - selected list

1. **Abrams GD**, Harris JD, Bach BR. A systematic review of rotator cuff tear following total shoulder arthroplasty.
2. **Abrams GD**, Hart M, Nho SJ. Effect of capsulotomy and capsulectomy on hip stability.
3. **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.
4. **Abrams GD**, Wang T, Cheung EV. Biomechanical evaluation of standard and posterior augmented glenoids in the setting of posterior glenoid wear.
5. Pirolo J, **Abrams GD**, Behn A, Bishop JA. Biomechanical analysis of medial and anterolateral plating of distal tibia shaft fractures.



6. Altobelli GC, Eng CM, **Abrams GD**, Mathewson MA, Gokhin DS, Fakhouri NS, Taylor, AB, Ward SR. Glenohumeral and scapulothoracic muscle architecture in middle-aged and elderly individuals.

### **Journal Reviewer**

- Medicine and Science in Sports and Exercise (2011 – present)
- Journal of Shoulder and Elbow Surgery (2012 – present)
- Arthroscopy (2012 – present)
- American Journal of Sports Medicine (2013 – present)
- Journal of Rheumatology (2013 – present)

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

- Stanford University Women’s Basketball (2013 – present)
- Stanford University Men’s Tennis Team (2013 – present)
- Notre Dame de Namur University (2013 – present)

### **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)
- Stanford University Women’s Basketball (2013 – present)
- Stanford University Men’s Tennis (2013 – present)
- Notre Dame de Namur University (2013 – present)

### **Course Instructor**

- AANA Resident Arthroscopy Course (9/2012)
- Rush University Resident Knee Arthroscopy Motor Skills Lab (10/2012)
- Rush University Resident Knee Arthroscopy Motor Skills Lab (4/2013)
- Rush University Resident Elbow Arthroscopy Motor Skills Lab (5/2013)
- Rush University Resident Shoulder Arthroscopy Motor Skills Lab (7/2013)

### **Lectures/Presentations**

- “Hyaline Cartilage Tissue Engineering” – Grand Rounds, Department of Orthopedic Surgery, Stanford University (4/2011)

- Journal Club – Sports Medicine Conference, Rush University Medical Center (9/2012, 12/2012, 3/2013)
- “Revision Rotator Cuff Repair: Diagnosis and Management” – Sports Medicine Conference, Rush University Medical Center (6/2013)
- “Shoulder Exam and Instability” – Medical Student Lecture Series, Stanford University (9/18/13)

### **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)

### **Honors and Awards**

- Nominee, NCAA Post-Graduate Scholarship (2000)
- NCAA All-American, Stanford University Tennis (2000)
- National Institutes of Health (NIH) Summer Scholar Grant recipient (2004)
- Samuel B. Hamburger Memorial Thesis Award (Most Outstanding Medical School Graduating Thesis) (2007)
  - **Abrams GD**, Ward SR, Fridén J, Lieber RL. Pronator teres is an appropriate donor muscle for restoration of wrist and thumb extension. *Journal of Hand Surg (Am)*. 2005;30(5):1068-73.
- Orthopedic Research and Education Foundation (OREF) Resident Research Grant recipient (2009)
- Richard Villar Excellence in Clinical Research Trainee Award – International Society of Hip Arthroscopy Annual Meeting (2011)
  - **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.
- Resident Research Award, Department of Orthopedic Surgery, Stanford University (2012)
- J. Whit Ewing Resident/Fellow Clinical Research Award – Arthroscopy Association of North America Annual Meeting (2013) (co-author)
  - 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.

- First Place Poster Award – American Orthopedic Society of Sports Medicine Annual Meeting (2013)
  - 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.

### **Professional Activities**

- Research assistant for Dr. John Flygare, Genentech, Inc. (2002)
- Volunteer, Share Our Selves Free Medical Clinic, Costa Mesa, CA (2002-2003)
- Volunteer, UCSD Student Run Free Clinic (2004)
- UCSD School of Medicine Standings and Promotions Committee, Class of 2007 (2004-2005)
- UCSD Representative, American Federation for Medical Research Conference (2005)
- UCSD Educational Computing Representative, Class of 2007 (2005-2006)
- UCSD School of Medicine, Senior Advisor (2006-2007)

### **Professional Memberships**

- American Academy of Orthopedic Surgery (AAOS)
- American Orthopedic Society of Sports Medicine (AOSSM)
- Arthroscopy Association of North America (AANA)

### **Extracurricular Activities**

- Tennis
  - Achieved professional ranking of top 350 in the world
  - Won three professional tennis titles (Los Angeles, Berkeley, Chico)
  - NCAA All-American (singles and doubles)
  - Three-time NCAA National Team Champion (Team Captain, 2000)

- Stanford University Male Athlete of the Year (2000)
- Participated in U.S. Open, Junior U.S. Open, Junior Wimbledon, and Junior French Open
- Outside interests include traveling, classical and historical literature, and sports