

Peter N. Chalmers, MD
Clinical Instructor
Section of Shoulder and Elbow Surgery
Department of Orthopaedic Surgery
University of Utah

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University Orthopaedic Center
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Education and Professional Training

Washington University, <i>Shoulder and Elbow Surgery Fellow</i> Directors: Dr. Jay Keener and Dr. Ken Yamaguchi	St. Louis, MO 2015- 2016
Rush University Medical Center, <i>Orthopaedic Surgery Resident</i> Chairman: Dr. Joshua Jacobs, Program Director: Dr. Brett Levine OITE Percentiles: 2010 97 th 2011 97 th 2012 99 th 2013 97 th 2014 99 th	Chicago, IL 2010 - 2015
Columbia University College of Physicians and Surgeons Medical Degree, USMLE Step I – 264 (99), II – 266 (99), III – 244 (97)	New York, NY 2006 - 2010
Dartmouth College B.S. in Biophysical Chemistry and Biology, <i>Magna Cum Laude</i>	Hanover, NH 2001 - 2005
The Catlin Gabel School Graduated in top 5% of class	Portland, OR 1997 - 2001

Awards

1. *2017 Tohoku University Traveling Fellow*, Dr. Eiji Itoi, January 2018
2. *Midwest Resident Research Symposia, First Place*, Orthopaedic Research and Education Foundation, University of Chicago, May 2017
3. “#1 Reviewer for 2017” *Journal of Shoulder and Elbow Surgery*, Dr. William Mallon, March 2017
4. *Best Paper Award*, ICSES 2016 Annual Meeting, Jeju, Korea, May 20, 2016 for Erickson BJ, Sgori T, Chalmers PN, Vignona P, Lesniak M, Bush-Joseph CA, Verma NN, Romeo AA. Does Fatigue Alter Pitching Mechanics?
5. *Carl L. Nelson, M.D. Physician in Training Award*, Mid-America Orthopaedic Association 2016 Annual Meeting, Bonita Springs, FL, April 15, 2016
6. *Chief Resident Golden Apple Teaching Award*, Department of Orthopaedic Surgery, Rush University Medical Center, June 2015
7. *Jorge O. Galante Award for Most Outstanding Chief Resident Research Presentation*, Department of Orthopaedic Surgery, Rush University Medical Center, June 2015
8. *Midwest Resident Research Symposia, Third Place*, Orthopaedic Research and Education Foundation, University of Chicago, April 2015
9. *Jorge O. Galante Award for Outstanding Resident Research*, Department of Orthopaedic Surgery, Rush University Medical Center, June 2014
10. *Resident Leadership Forum*, American Orthopaedic Association, Montreal, Canada, June 2014

11. *Award for Best Multimedia Program*, for “All-Arthroscopic Patch Augmentation of a Massive Rotator Cuff Tear”, American Academy of Orthopaedic Surgery 2014 Annual Meeting
12. *Clinician Scholar Career Development Program*, American Academy of Orthopaedic Surgery, Sept 2013
13. *Outstanding Resident Teacher Award*, Department of General Surgery, Rush University Medical Center, June 2011
14. *Alpha Omega Alpha Honor Society*, College of Physicians and Surgeons, Columbia University, June 2010
15. *Magna Cum Laude*, Dartmouth College, June 2005
16. *Merck Award for Undergraduate Research*, Department of Chemistry, Dartmouth College, June 2005

Publications in Peer Reviewed Sources

In review

1. Chalmers PN, Kahn T, Broschinsky K, Ross H, Stertz I, Nelson R, Yoo M, Tashjian RZ. An Analysis of Costs Associated with Shoulder Arthroplasty. *J Shoulder Elbow Surg*. Submitted.
2. Erickson BJ, Chalmers PN, D’Angelo J, Ma K, Romeo AA. Performance and Return to Sport Following Latissimus Dorsi and Teres Major Tears in Professional Baseball Pitchers. *Am J Sports Med*. Submitted.
3. Erickson BJ, Chalmers PN, D’Angelo J, Ma K, Romeo AA. Performance and Return to Sport Following Ulnar Nerve Decompression/Transposition in Professional Baseball Players. *Am J Sports Med*. Submitted.
4. Erickson BJ, Chalmers PN, D’Angelo J, Ma K, Romeo AA. Performance and Return to Sport Following Rotator Cuff Surgery in Professional Baseball Players. *Am J Sports Med*. Submitted.
5. Erickson BJ, Chalmers PN, Potter H, Altchek D, Romeo AA. Magnetic Resonance Imaging Grading System for Tears of the Latissimus Dorsi and Teres Major. *Am J Sports Med*. Submitted.
6. Uffman W, Christensen G, Nelson R, Yoo M, Burks R, Greis P, Tashjian RZ, Chalmers PN. A Comparison of Intra-Operative Costs Between Arthroscopic Bankart Repair, Open Latarjet, and Distal Tibial Allograft. *Am J Sports Med*. Submitted.
7. Chalmers PN, Romeo AA, Nicholson GP, Boileau P, Keener JD, Gregory JM, Salazar DH, Tashjian RZ. Classification of Humeral Bone Loss in Revision Total Shoulder Arthroplasty. *J Shoulder Elbow Surg*. Submitted.
8. Tashjian RZ, Chalmers PN. What’s New in Shoulder and Elbow Surgery. *J Bone Joint Surg Am*. Submitted.
9. Henninger HB, Sulkar H, Chalmers PN, Tashjian RZ. Biomechanics of Two Methods of Scapular Neck Fracture Fixation in a Synthetic Bone Model. *J Orthop Trauma*. Submitted.
10. Chalmers PN, Beck L, Miller M, Stertz I, Henninger H, Tashjian RZ. Glenoid Deformity Associates with Rotator Cuff Muscle Size in those with and without Glenohumeral Osteoarthritis. *J Bone Joint Surg Am*. Submitted.

11. Tashjian RZ, Lock I, Granger EK, Wang Y, Chalmers PN, Jones KB. Gene Expression in Torn Rotator Cuff Tendons Utilizing RNA Sequencing. *J Shoulder Elbow Surg*. Submitted.
12. Tashjian RZ, Granger E, Chalmers PN. Healing Rates and Functional Outcomes after Triple-Loaded Single-Row Versus Transosseous Equivalent Double-Row Rotator Cuff Tendon Repair. *Orthop J Sports Med*. Under Review.
13. Chalmers PN, Suter T, Jacxsens M, Zhang Y, Zhang C, Tashjian RZ, Henninger HB. The influence of radiographic viewing perspective on glenoid inclination measurement. *Clinic Orthop Relat Rsch*. Submitted
14. Chalmers PN, Granger E, Ross H, Burks RT, Tashjian RZ. Distal Clavicle Resection and Rotator Cuff Repair. *Am J Orthop*. Under Revision.
15. Chalmers PN, Boileau P, Romeo AA, Tashjian RZ. Revision Reverse Shoulder Arthroplasty. *J Am Acad Orthop Surg*. Under Revision.

In press

16. Erickson BJ, Chalmers PN, Newgren J, Nicholson GP, Romeo AA. Can the Kerlan Jobe Orthopaedic Clinic Shoulder and Elbow Score be Reliably Administered Over the Phone? A Randomized Study
17. Chalmers PN, Salazar DH, Romeo AA, Keener JD, Yamaguchi K, Chamberlain AM. Introduction of Modern Reverse Total Shoulder Arthroplasty: A Comprehensive Analysis of a High-Volume Center. *J Amer Acad Orthop Surg*.

Published

18. Tashjian RZ, Broschinsky K, Chalmers PN. Glenohumeral cerclage for salvage of recalcitrant instability after reverse total shoulder arthroplasty. *J Shoulder Elbow Surg*. 2018 Aug;27(8):e259-e263.
19. Rao AJ, Chalmers PN, Cvetanovich GL, O'Brien M, Newgren J, Cole BJ, Verma NN, Nicholson GP, Romeo AA. Does Pre-operative Doxycycline Reduce *Propionibacterium Acnes* in Shoulder Arthroplasty? *J Bone Joint Surg Am*. 2018 Jun 6;100(11):958-964. doi: 10.2106/JBJS.17.00584.
20. Tashjian RZ, Martin B, Ricketts C, Henninger HB, Granger E, Chalmers PN. Superior Baseplate Inclination Is Associated With Instability After Reverse Total Shoulder Arthroplasty. *Clin Orthop Relat Rsch*. 2018 May 17. doi: 10.1097/CORR.0000000000000340. [Epub ahead of print]
21. Chalmers PN, Beck L, Stertz I, Aleem A, Keener JD, Henninger HB, Tashjian RZ. Do Magnetic Resonance Imaging and Computed Tomography Provide Equivalent Measures of Rotator Cuff Muscle Size in Glenohumeral Osteoarthritis? *J Shoulder Elbow Surgery*. 2018 May 10. pii: S1058-2746(18)30224-6. doi: 10.1016/j.jse.2018.03.015. [Epub ahead of print]
22. Erickson BJ, Chalmers PN, Romeo AA, Ahmad CS. Relationship Between Pitching a Complete Game and Spending Time on the Disabled List in Major League Baseball Pitchers. *Orthop J Sports Med*. 2018 Mar 26;6(3):2325967118761354. doi: 10.1177/2325967118761354.
23. Chalmers PN, Beck L, Granger E, Henninger H, Tashjian RZ. Superior glenoid inclination associates with rotator cuff tears. *J Shoulder Elbow Surgery*. 2018 Mar 23. pii: S1058-2746(18)30124-1. doi: 10.1016/j.jse.2018.02.043.

24. Chalmers PN, Ross H, Granger E, Presson AP, Zhang C, Tashjian RZ. Does Rotator Cuff Repair Alter Natural History? A Systematic Literature Review of Long-Term Outcomes. *J Bone Joint Surg Am Open Access*. February 2018;1-11.doi:10.2106/JBJS.OA.17.00043.
25. Orvets ND, Chamberlain AM, Patterson BM, Chalmers PN, Gosselin M, Salazar D, Aleem AW, Keener JD. Total shoulder arthroplasty in patients with a B2 glenoid addressed with corrective reaming. *J Shoulder Elbow Surg*. 2018 Feb 28. pii: S1058-2746(18)30048-X. doi: 10.1016/j.jse.2018.01.003. [Epub ahead of print]
26. Erickson BJ, Chalmers PN, Verma NN, Bach BR, Romeo AA, Ahmad CS. Reasons for and Time to Retirement Following Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers. *Orthop J Sports Med*. 2017 Dec 21;5(12):2325967117745021. doi: 10.1177/2325967117745021.
27. Chalmers PN, Granger E, Nelson R, Yoo M, Tashjian RZ. Factors Affecting Cost, Outcomes and Tendon Healing After Arthroscopic Rotator Cuff Repair. *Arthroscopy*. 2018 May;34(5):1393-1400. doi: 10.1016/j.arthro.2017.11.015.
28. Chalmers PN, Sumner S, Romeo AA, Tashjian RZ. Do Elevated Inflammatory Markers Associate with Infection After Revision Shoulder Arthroplasty? *J Shoulder Elbow Arthroplasty*. January 29, 2018. Doi: 10.1177/2471549217750465.
29. Chalmers PN, Granger E, Orvets ND, Patterson B, Chamberlain AM, Keener JD, Tashjian RZ. Does Prosthetic Humeral Articular Surface Positioning Associate with Outcome after Total Shoulder Arthroplasty? *J Shoulder Elbow Surg*. 2018 May;27(5):863-870. doi: 10.1016/j.jse.2017.10.038.
30. Frank RM, Chalmers PN, Moric M, Cole BJ, Romeo AA. Incidence and Trends of Shoulder Stabilization in the United States. *Arthroscopy*. 2018 Mar;34(3):784-792. doi: 10.1016/j.arthro.2017.08.289.
31. Chalmers PN, Erickson BJ, Verma NN, D'Angelo J, Romeo AA. Incidence and Return to Play of Biceps Tenodesis in Major League Baseball Players. *Arthroscopy*. 2018 Mar;34(3):747-751. doi: 10.1016/j.arthro.2017.08.251.
32. Tashjian RZ, Granger E, Chalmers PN. Structural Glenoid Grafting During Primary Reverse Total Shoulder Arthroplasty Utilizing Humeral Head Autograft. *J Shoulder Elbow Surg*. 2018 Jan;27(1):e1-e8.
33. Erickson BJ, Chalmers PN, Verma NN, Zaferiou A, Romeo AA. Are the Hamstrings from the Drive Leg or Landing Leg More Active in Pitchers? An Electromyographic Study. *J Shoulder Elbow Surg*. 2017 Nov;26(11):2010-2016.
34. Erickson BJ, Chalmers PN, Dugas JR, Bach BR Jr, Nicholson GP, Verma NN, Ahmad CS, Romeo AA. Do Major League Baseball Team Physicians Harvest the Semitendinosus From the Drive Leg or Landing Leg When Performing Ulnar Collateral Ligament Reconstruction on Elite Baseball Pitchers? *Orthop J Sports Med*. 2017 Jul 3;5(7):2325967117713987
35. Boileau P, Morin-Salvo N, Gauci M-O, Seeto B, Chalmers PN, Holzer N, Walch G. Angled BIO-RSA: A Solution for the Management Glenoid Bone Loss and Erosion. *J Shoulder Elbow Surg*. 2017 Dec;26(12):2133-2142.
36. Cummings K, Cushman D, Chalmers P. Ulnar Collateral Ligament Injuries of the Elbow. *Current Physical Medicine and Rehabilitation Reports*. 2017:1-10.
37. Erickson BJ, Chalmers PN, Waterman BR, Griffin JW, Romeo AA. Performance and Return to Sport in Elite Baseball Players and Recreational Athletes Following Repair of the Latissimus Dorsi and Teres Major. *J Shoulder Elbow Surg*. 2017 Nov;26(11):1948-1954.

38. Chalmers PN, Salazar DH, Fingerman ME, Keener JD, Chamberlain AM. Continuous interscalene brachial plexus blockade is associated with reduced length of stay after shoulder arthroplasty. *Orthop Trauma Surg Rsch.* 2017 Oct;103(6):847-852.
39. Frank RM, Della Valle CJ, Plummer D, Chalmers PN, Cole BJ. Does Prior Cartilage Restoration Impact Outcomes Following Knee Arthroplasty? *Orthop Clin North America.* 2017 Jul;48(3):265-273.
40. Keener JD, Chalmers PN, Yamaguchi K. The Humeral Component in Shoulder Arthroplasty. *J Amer Acad Orthop Surg.* 2017 Jun;25(6):427-438. **Selected for presentation as a JAAOS webinar.**
41. Erickson BJ, Chalmers PN, Bach BR, Dines J, Verma NN, Bush-Joseph CA, Cohen S, Romeo AA. Length of Time Between Surgery and Return to Sport Following Ulnar Collateral Ligament Reconstruction in Major League Baseball Pitchers Does Not Predict Need for Revision Surgery. *J Shoulder Elbow Surg.* 2017 Apr;26(4):699-703
42. Erickson BJ, Chalmers PN, Axe MJ, Romeo AA. Effect of exceeding pitch limit recommendations and specialization as a pitcher on risk for UCLR in former LLWS Pitchers who played professional baseball. *Orthop J Sports Med.* 2017 Mar 24;5(3):2325967117695085.
43. Erickson BJ, Chalmers PN, Dugas JA, Bach BR, Nicholson GP, Verma NN, Ahmad CS, Romeo AA. Do Major League Baseball Team Physicians Harvest the Semitendinosus from the Drive Leg or Landing Leg when Performing Ulnar Collateral Ligament Reconstruction on Elite Baseball Pitchers? *Orthop J Sports Med.* 2017 July 3;5(7).
44. Chalmers PN, Romeo AA. Arthroscopic Acromioplasty. *JBJS Essent Surg Tech,* 2016 Apr 13; 6 (2): e13 .
45. Hannon CP, Chalmers PN, Carpinello MF, Cvetanovich GL, Cole BJ, Bach BR Jr. Inconsistencies between physician-reported and industry-reported financial relationships in the Open Payment database. *J Bone Joint Surg Am.* 2016 Oct 19;98(20):e90.
46. Salazar DH, Chalmers PN, MacKinnon SE, Keener JD. Reverse Shoulder Arthroplasty After Radial to Axillary Nerve Transfer for Axillary Nerve Palsy with Concomitant Irreparable Rotator Cuff Tear. *J Shoulder Elbow Surg.* 2017 Jan;26(1):e23-e28.
47. Mellano CR, Thorsness R, Chalmers Pn, Terrance F, O'Donnell P, Cole BJ, Verma NN, Romeo AA, Nicholson GP. Functional Results of Bilateral Reverse Total Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2017 Jun;26(6):990-996.
48. Chalmers PN, Wimmer MA, Cvetanovich GL, Verma NN, Pearl ML, Cole BJ, Romeo AA. The Relationship Between Pitching Mechanics and Injury: A Current Concepts Review. *Sports Health.* 2017 May/Jun;9(3):216-221.
49. Cvetanovich GL, Saltzman BM, Chalmers PN, Cole BJ, Bach BR. Research Productivity of Sports Medicine Fellowship Faculty. *Orthop J Sports Med.* 2016 Dec 30;4(12):2325967116679393.
50. Kohan EM, Chalmers PN, Salazar DH, Keener JD, Yamaguchi K, Chamberlain AM. Dislocation Following Reverse Total Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2017 Jul;26(7):1238-1245.
51. Chalmers PN, Salazar DH, Chamberlain AM, Keener JD. Radiographic Characterization of the B2 Glenoid: Is Inclusion of the Entirety of the Scapula Necessary? *J Shoulder Elbow Surg.* 2017 May;26(5):855-860.
52. Chalmers PN, Salazar DH, Steger-May K, Chamberlain AM, Yamaguchi K, Keener J. Does the critical shoulder angle correlate with rotator cuff tear progression? *Clin Orthop Relat Resch.* 2017 Jun;475(6):1608-1617.

53. Chalmers PN, Salazar, Steger-May K, Chamberlain AM, Stobbs-Cucchi G, Yamaguchi K, Keener J. Radiographic Progression of Arthritic Changes in Shoulders with Degenerative Rotator Cuff Tears. *J Shoulder Elbow Surg.* 2016 Nov;25(11):1749-1755.
54. Chalmers PN, Salazar DH, Chamberlain AM, Keener JD. Radiographic Characterization of the B2 Glenoid: The Effect of Computed Tomographic Axis Orientation. *J Shoulder Elbow Surg.* 2017 Feb;26(2):258-264.
55. Erickson BJ, Chalmers PN, Cvetanovich G, Frank RM, Harris JD, Romeo AA. Quality and Quantity of the Elbow Arthroscopy Literature: A Systematic Review and Meta-Analysis. *Am J Orthop (Belle Mead NJ).* 2016 Jul-Aug;45(5):E290-E298.
56. Levy DM, Chalmers PN, Trenhaile SW, Bach BR Jr., Romeo AA, Verma NN. Massive Rotator Cuff Repair with All-Arthroscopic Patch Augmentation: Surgical Technique. *Tech Shoulder Elbow Surg.* 2016 June 17(2):83-87.
57. Riff A, Sgroi T, Chalmers PN, Lesniak M, Sayegh ET, Verma NN, Cole BJ, Romeo AA. Epidemiologic comparison of pitching mechanics, pitch type, and pitch counts among various levels of competition. *Arthroscopy.* 2016 Aug;32(8):1559-68.
58. Cvetanovich GL, Frank RM, Chalmers PN, Verma NN, Nicholson GP, Romeo AA. Surgical management of proximal humerus fractures: the emerging role of reverse total shoulder arthroplasty. *Orthopedics.* 2016 May 1;39(3):e465-73.
59. Cvetanovich GL, Chalmers PN, Mather RC III, Harris JD, Bush-Joseph CA, Nho SJ. Hip arthroscopy in the United States: surgical volume trends, 30-day post-operative morbidity and mortality. *Arthroscopy.* 2016 Jul;32(7):1286-92.
60. Chalmers PN, Erickson BJ, Ball B, Romeo AA, Verma NN. Fastball Pitch Velocity Helps Predicts Ulnar Collateral Ligament Reconstruction MLB Pitchers. *Am J Sports Med.* 2016 Aug;44(8):2130-5.
61. Erickson BJ, Chalmers PN, Bush-Joseph CA, Romeo AA. Predicting and Preventing Injury in Major League Baseball. *Am J Orthop (Belle Mead NJ).* 2016 Mar-Apr;45(3):152-156.
62. Erickson BJ, Sgroi T, Chalmers PN, Vignona P, Lesniak M, Bush-Joseph CA, Verma NN, Romeo AA. The Impact of Fatigue on Baseball Pitching Mechanics in Adolescent Male Pitchers. *Arthroscopy.* 2016 May;32(5):762-71.
63. Chalmers PN, Van Thiel GS, Trenhaile SW. Surgical Exposures of the Shoulder. *J Am Acad Orthop Surg.* 2016 Apr;24(4):250-258.
64. Chalmers PN, Verma NN. Proximal Biceps in Overhead Athletes. *Clinics in Sports Medicine.* 2016 Jan;35(1):163-79.
65. Chalmers PN, Keener JD. Expanding Roles for Reverse Shoulder Arthroplasty. *Curr Rev Musculoskelet Med.* 2016 Mar;9(1):40-8.
66. Cvetanovich GL, Chalmers PN, Verma NN, Cole BJ, Bach BR Jr. Risk factors for short-term complications of anterior cruciate ligament reconstruction in the United States. *Am J Sports Med.* 2016 Mar;44(3):618-24.
67. Cvetanovich GL, Chalmers PN, Verma NN, Nicholson GP, Romeo AA. Open reduction internal fixation has fewer short-term complications than shoulder arthroplasty for proximal humerus fractures. *J Shoulder Elbow Surg.* 2016 Apr;25(4):624-631.e3.
68. Cole BJ, Sayegh ET, Chalmers PN, Frank RM, Yanke AB, Verma NN, Cole BJ, Romeo AA, Bach BR Jr. Fixation of Soft Tissue to Bone: Techniques and Fundamentals. *J Amer Acad Orthop Surg.* 2016 Feb;24(2):83-95.

69. Erickson BJ, Chalmers PN, Bush-Joseph CA, Verma NN, and Romeo AA. Ulnar Collateral Ligament Reconstruction: A Systematic Review of the Literature. *Orthop J Sports Med.* 2015;3(12):2325967115618914
70. Chalmers PN, Verma NN. Wearable sensors and mobile motion analysis: the future of functional outcomes assessment? *Orthopedics.* 2015 Oct 1;38(10):594-6.
71. Chalmers PN, Cvetanovich GL, Kupfer N, Wimmer MA, Verma NN, Cole BJ, Romeo AA, Nicholson GP. The Champagne Toast Position Isolates the Supraspinatus: An Electromyographic Study of Shoulder Physical Examination Tests. *J Shoulder Elbow Surg.* 2016 Feb;25(2):322-9.
72. Chalmers PN, Walton DM, Sporer SM, Levine BR. Is there a role for synovial aspiration in the diagnosis of aseptic loosening after total knee arthroplasty? *J Bone Joint Surg Am.* 2015 Oct 7;97(19):1597-603.
73. Chalmers PN, Van Thiel GS, Ferry ST. Is skin tenting secondary to a displaced clavicle fracture more than a theoretical risk? A report of two pediatric cases. *Am J Orthop.* 2015 Oct;44(10):E414-E416.
74. Chalmers PN, Monson B, Frank RM, Mascarenhas R, Nicholson GP, Bach BR, Verma NN, Cole BJ, Romeo AA. Combined SLAP Repair and Biceps Tenodesis for Superior Labral Anterior Posterior tears: How Do Results Compare to SLAP Repair or Biceps Tenodesis Alone? *Knee Surgery, Sports Traumatology, and Arthroscopy.* 2015 Sep 2. [Epub ahead of print]
75. Erickson BJ, Harris JD, Chalmers PN, Bach BR Jr., Verma NN, Bush-Joseph CA, and Romeo AA. Ulnar Collateral Ligament Reconstruction: Anatomy, Indications, Techniques, and Outcomes. *Sports Health.* 2015 Nov;7(6):511-7.
76. Cvetanovich GL, Chalmers PN, Bach BR Jr. Physician Payment Sunshine Act Industry Payment Reporting in Orthopaedic Surgery: Analysis and Comparison to Other Specialties. *J Bone Joint Surg Am.* 2015 Aug 5;97(15):1288-95.
77. Cvetanovich GL, Chalmers PN, Streit JJ, Romeo AA, Nicholson GP. Patients Undergoing Total Shoulder Arthroplasty on the Dominant Extremity Attain Greater Postoperative ROM. *Clin Orthop Relat Res.* 2015 Oct;473(10):3221-5.
78. Chalmers PN, Sgroi T, Riff AJ, Lesniak M, Sayegh ET, Verma NN, Cole BJ, Romeo AA. Correlates with History of Injury in Youth and Adolescent Pitchers. *Arthroscopy.* 2015 Jul;31(7):1349-57.
79. Sgroi T, Chalmers PN, Riff AJ, Lesniak M, Sayegh ET, Wimmer MA, Verma NN, Cole BJ, Romeo AA. Predictors of throwing velocity in youth and adolescent pitchers. *J Shoulder Elbow Surg.* 2015 Sep;24(9):1339-45.
80. Gupta AK, Chalmers PN, Klosterman E, Harris JD, Bach BR, Verma NN, Cole BJ, Romeo AA. Subpectoral Biceps Tenodesis for Superior Labrum Anterior-Posterior (SLAP) Tears. *Orthopedics.* 2015 Jan 1;38(1):e48-53.
81. Chalmers PN, Saltzman BM, Feldheim TF, Mascarenhas R, Mellano CR, Cole BJ, Romeo AA, Nicholson GP. A comprehensive analysis of pectoralis major transfer for long thoracic nerve palsy. *J Should Elbow Surg.* 2015 Jul;24(7):1028-35. *Featured in Orthopedics Today.*
82. Sayegh E, Mascarenhas R, Chalmers PN, Cole BJ, Romeo AA, Verma NN. Surgical Treatment Options for Glenohumeral Arthritis in Young Patients: A Systematic Review and Meta-Analysis. *Arthroscopy.* 2015 Jun;31(6):1156-1166.e8.
83. Chalmers PN, Trombley R, Cip J, Monson B, Forsythe B, Nicholson GP, Bush-Joseph CA, Cole BJ, Wimmer MA, Romeo AA, Verma NN. Post-operative Restoration Of

- Upper Extremity Motion and Neuromuscular Control During The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. *Am J Sports Med.* 2014 Dec;42(12):2825-36.
84. Saltzman BM, Chalmers PN, Mascarenhas R, Cole BJ, Romeo AA. Upper Extremity Physal Injuries in Adolescent Baseball Pitchers. *Phys Sportsmed.* 2014 Sep;42(3):100-11.
85. Chalmers PN, Slikker W, Mall NA, Gupta AK, Rahman Z, Enriquez D, Nicholson GP. Author reply: Reverse total shoulder for acute proximal humeral fracture: Comparison to open reduction internal fixation and hemiarthroplasty. *J Shoulder Elbow Surg.* 2014 Sep;23(9):e222.
86. Mall NA, Chalmers PN, Moric M, Tanaka MJ, Cole BJ, Bach BR, Paletta GA. Incidence and Trends of Anterior Cruciate Ligament Reconstruction in the United States. *Am J Sports Med.* 2014 Oct;42(10):2363-70.
87. Yanke AB, Chalmers PN, Frank RM, Karas V, Friel NA, Cole BJ. Prospective evaluation of meniscal allograft transplantation revision: a minimum of 2-year follow-up. *Arthroscopy.* 2014 Dec;30(12):1602-8.
88. Chalmers PN, Mascarenhas R, Leroux T, Sayegh ET, Verma NN, Cole BJ, Romeo AA. Do arthroscopic and open stabilization techniques restore equivalent stability to the shoulder in the setting of recurrent anterior glenohumeral instability? : A systematic review of overlapping meta-analyses. *Arthroscopy.* 2015 Feb;31(2):355-363.
89. Sayegh ET, Mascarenhas R, Chalmers PN, Cole BJ, Verma NN, Romeo AA. Allograft Reconstruction for Glenoid Bone Loss in Glenohumeral Instability: A Systematic Review. *Arthroscopy.* 2014 Dec;30(12):1642-1649.
90. Saltzman BM, Chalmers PN, Gupta AK, Romeo AA, Nicholson GP. Complication Rates Comparing Primary to Revision Reverse Total Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2014 Nov;23(11):1647-54.
91. Frank RM, Chalmers PN, McNeil J, Romeo AA, Provencher MT. Distal Tibial Allograft for Management of Anterior Glenoid Bone Loss. *Orthop Knowl Online J* 2014;12(6): http://orthoportal.aaos.org/oko/article.aspx?article=OKO_SHO055. Accessed May 27, 2014.
92. Mascarenhas R, Chalmers PN, Sayegh ET, Bhandari M, Verma NN, Cole BJ, Romeo AA. Is Double-Row Rotator Cuff Repair Clinically Superior to Single-Row Rotator Cuff Repair: A Systematic Review of Overlapping Meta-analyses. *Arthroscopy.* 2014 Sep;30(9):1156-1165.
93. Frank J, Chalmers PN, Sporer SM. Management of infection following total hip arthroplasty. *Curr Orthop Practice.* 25 (3), 261-265.
94. Chalmers PN, Cip J, Trombley R, Cole BJ, Wimmer MA, Romeo AA, Verma NN. Glenohumeral function of the long-head of the biceps muscle: an electromyographic analysis. *Orthop J Sports Med* Feb 2014; vol. 2, 2: 2325967114523902.
95. Chalmers PN, Mall NA, Moric M, Sherman SL, Paletta GP, Cole BJ, Bach BR. Does anterior cruciate ligament reconstruction alter natural history?: A systematic review of long-term outcomes. *J Bone Joint Surg.* 96(4), 292–300.
96. Chalmers PN, Sporer SM, Levine BR. Author Reply: "Correlation of Aspiration Results with Periprosthetic Sepsis in Revision Total Hip Arthroplasty" *J Arthroplasty.* 2014 Feb;29(2):438-42.

97. Frank RM, Ramirez, J, Chalmers PN, McCormick FM, Romeo AA. Scapulothoracic Anatomy and Snapping Scapula Syndrome. *Anat Res Int*. 2013;635628. Epub 2013 Nov 28.
98. Sherman SL, Erickson BJ, Cvetanovich GL, Chalmers PN, Farr J, Bach BR, Cole BJ. Tibial Tuberosity Osteotomy: Indications, Techniques, Outcomes. *Am J Sports Med*. 2013 Nov 6;42(8):2006-2017.
99. Chalmers PN, Rahman Z, Romeo AA, Nicholson GP. Early dislocation following reverse total shoulder arthroplasty. *J Shoulder Elbow Surg*. 2014 May;23(5):737-44.
100. Chalmers PN, Gupta AK, Rahman Z, Enriquez D, Bruce B, Romeo AA, Nicholson GP. Predictors of Early Complications of Total Shoulder Arthroplasty. *J Arthroplasty*. 2014 Apr;29(4):856-60.
101. Chalmers PN, Frank RM, Gupta AK, Yanke AB, Trenhaile SW, Bach BR, Romeo AA, Verma NN. All-Arthroscopic Patch Augmentation of a Massive Rotator Cuff Tear: Surgical Technique. *Arthroscopy Tech*. 2013 Nov 1;2(4):e447-51.
102. Chalmers PN, Slikker W, Mall NA, Gupta AK, Rahman Z, Enriquez D, Nicholson GP. Reverse total shoulder for acute proximal humeral fracture: Comparison to open reduction internal fixation and hemiarthroplasty. *J Shoulder Elbow Surg*. 2014 Feb;23(2):197-204.
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Publications in non-peer reviewed resources

Published

1. Chalmers PN. Perspective on “Efficacy of a Prevention Program for Medial Elbow Injuries in Youth Baseball Players” by Sakata et al. *Am J Sports Med.* 2018;46(2):460–469.
2. Chalmers PN. Perspective on “Baseball Players With an Ulnar Collateral Ligament Tear Display Increased Nondominant Arm Humeral Torsion Compared With Healthy Baseball Players” by Meyer, Garrison, and Conway, *Am J Sports Med.* 2017 Jan;45(1):144-149. doi: 10.1177/0363546516664718. Web site: *Orthopedics Today.* February 2017.
3. Chalmers PN, Botero HG, Meyer J, Frank JM, Sporer SM, Levine BR. Computed tomography for the diagnosis of periprosthetic sepsis. *Rush Orthopaedic Journal.* 2015 edition.
4. Chalmers PN, Riboh J, Romeo AA. A 35-year-old man with left shoulder weakness. Web site: *Orthopedics Today.* February 2015. <http://www.healio.com/orthopedics/shoulder-elbow/news/print/orthopedics-today/%7B150c0225-bd5e-4a04-be1a-eec41992dafa%7D/a-35-year-old-man-with-left-shoulder-weakness>. Accessed February 14, 2015.
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6. Chalmers PN, Al-Shihabi L, Ferry ST. A 12-year-old boy with a right knee injury. Web site: *Orthopedics Today.* December 2013: <http://www.healio.com/orthopedics/knee/news/print/orthopedics-today/{b4e9c076-b0d5-4c69-b91d-bc31d7dc897c}/a-12-year-old-boy-with-a-right-knee-injury>. Accessed August 1, 2014.
7. Chalmers PN, Frank RM, Romeo AA, Cohen MS. Arthroscopic Treatment of Lateral Epicondylitis. Web site: *Orthopedics Today.* December 2013: <http://www.healio.com/orthopedics/shoulder-elbow/news/print/orthopedics-today/%7B3f3dd32b-ac4c-441e-8c45-17420a9cb637%7D/a-59-year-old-woman-with-right-shoulder-pain>. Accessed December 7, 2013.
8. Lee S, Chalmers PN, Nho SJ. A 59-year-old Woman with Right Shoulder Pain. Web site: *Orthopedics Today.* December 2013: <http://www.healio.com/orthopedics/shoulder-elbow/news/print/orthopedics-today/{bdc4c421-fd4c-4bd1-9900-738c8138cd09}/lateral-epicondylitis-treated-arthroscopically>. Accessed December 7, 2013.

Funding

1. Chalmers PN, English J, Yoon S, Schultz, B, Li B. A Longitudinal Prospective Ultrasonographic Study of Ulnar Collateral Ligament: Does the Ligament Heal? *Major League Baseball Research Committee*. September 20, 2017. \$18,677
2. Chalmers PN, Tashjian RZ, Henninger, H. The effect of glenoid component inclination upon passive range of motion and bone-implant shear stress in shoulder arthroplasty: a biomechanical analysis. *LS Peery Foundation*. June 1, 2017. \$109,200
3. Chamberlain AM, Chalmers PN, Yamaguchi K, Tashjian RZ, Keener JD. Supervised physiotherapy versus a home exercise program after reverse total shoulder arthroplasty: a randomized clinical trial. *Orthopaedic Research and Education Foundation*. April 12, 2017. \$50,000.
4. Erickson BJ, Chalmers PN, Cole BJ, Verma NN, Bush-Joseph CA, Romeo AA. Fatigue in the Adolescent Pitcher. *Mid-America Orthopaedic Association*. August 27, 2014. \$4,000.
5. Chalmers PN, Wimmer M, Verma NN, Nicholson GP, Romeo AA. Improving shoulder arthroplasty: Postoperative neuromuscular function. Private Philanthropic Grant. June, 2014 \$150,000.
6. Chalmers PN, Levine BR. Educational Grant to present “Incidence and Trends of Anterior Cruciate Ligament Reconstruction in the United States.” *Mid-America Orthopaedic Association*. December 23, 2013. \$2,500.
7. Chalmers PN, Wimmer M, Verma NN, Cole BJ, Romeo AA. Function of the long head of the biceps muscle in kinematics of the glenohumeral joint during the overhand throw: evaluation of tenodesis for SLAP tears. *Arthroscopy Association of North America*. January 28, 2013. \$5,000.
8. Chalmers PN, Wimmer M, Verma NN, Cole BJ, Romeo AA. Function of the long head of the biceps muscle in kinematics of the glenohumeral joint during the overhand throw: evaluation of tenodesis for SLAP tears. *KFx Medical, Inc*. September 26, 2012. \$3,000.
9. Chalmers PN, Sporer SM, Levine BR. Correlation of Aspiration Results in Predicting the Etiology of Revision in Non-Infected Total Hip and Knee Arthroplasty. *Biomet, Inc*. July 26, 2012. \$2,000
10. Chalmers PN, Al-Shihabi L, Romeo AA, Bach BR Jr. Residency Enhancement via Guest Speaker Events and Resident Course attendance. *Orthopaedic Research and Education Foundation*. Feb 7, 2012. \$3,380. Used the funding to coordinate the 2012 OREF/Andersson lectureship, a day-long symposium for the Rush Orthopaedic Residency with Dr. James R. Andrews of the American Sports Medicine Institute in Birmingham, AL.
11. Chalmers PN, Virkus WW. Arbeitsgemeinschaft für Osteosynthesefragen, Basic Principles of Operative Fracture Management Course Scholarship. *Synthes, Inc*. \$2,265.

Total funding to date: \$349,822

Book Chapters

1. Erickson BJ, Chalmers PN, Ahmad CS, Andrews JR. Prevention of Youth Pitching Injuries. A Chapter for *Baseball Sports Medicine*. Ed. Romeo AA and Ahmad CS. Wolters Kluwer Health: NY, NY.
2. Chalmers PN. "Management of Large Glenoid Defects – Bone Grafts and Augmented Components" A chapter for *Complex and Revision Shoulder Arthroplasty: An Evidence-Based Approach to Evaluation and Management* Ed. Tashjian RZ. Springer Nature: NY, NY.
3. Kahn T, Chalmers PN. Little Leaguer's Shoulder. A Chapter for *Baseball Sports Medicine*. Ed. Romeo AA and Ahmad CS. Wolters Kluwer Health: NY, NY.
4. Chalmers PN, Erickson BJ. Adolescent pitching mechanics and pitch counts. A Chapter for *Baseball Sports Medicine*. Ed. Romeo AA and Ahmad CS. Wolters Kluwer Health: NY, NY.
5. Erickson BJ, Chalmers PN. Anatomy and Physical Exam of the Elbow. A Chapter for *Baseball Sports Medicine*. Ed. Romeo AA and Ahmad CS. Wolters Kluwer Health: NY, NY.
6. Chalmers PN, Chamberlain AM. Biomechanics of the elbow. A Chapter for *The Unstable Elbow: An Evidence-Based Approach to Evaluation and Management* Ed. Tashjian RZ. Springer: NY, NY.
7. Chalmers PN, Keener JD. Stemmed Humeral Replacement. Anatomy Shoulder Arthroplasty – Strategies for Clinical Management. Ed. Armstrong A, Murthi A. Springer: NY, NY.
8. Chalmers PN, Cvetanovich GL, Romeo AA. Biceps Tenodesis: Distal (Subpectoral) Techniques. Disorders of Rotator Cuff and Biceps Tendon. Ed. Provencer MT, Romeo AA, Cole BJ, Boileau P. Elsevier: NY, NY.
9. Cvetanovich GL, Chalmers PN, Romeo AA. Reverse Shoulder Arthroplasty for Cuff Deficiency-Rationale and Mechanics. Disorders of Rotator Cuff and Biceps Tendon. Ed. Provencer MT, Romeo AA, Cole BJ, Boileau P. Elsevier: NY, NY.
10. Mellano CR, Virk MS, Chalmers PN, Romeo AA. Scapulothoracic Fusion. In *Advanced Reconstruction: Shoulder*, 2nd edition. AAOS: Rosemont, IL.
11. Virk MS, Chalmers P, Mellano C, Romeo AA. Open Biceps Subpectoral Tenodesis: Operative Tips to Safely Restore Function and Cosmesis. In *Advanced Reconstruction: Shoulder*, 2nd edition. AAOS: Rosemont, IL.
12. Chalmers PN, Mellano CM, Romeo AA. Arthroscopic SLAP Repair. In *AANA's The Shoulder*. Ed Ryu, Angelo, and Abrams. Elsevier: NY, NY.
13. Chalmers PN, Aleem AW, Galatz LM. Total Shoulder Arthroplasty. In *Case Competencies in Orthopaedic Surgery*. Ed. Frank R, Forsythe B, Provencher M.
14. Sershon R, Chalmers PN, Cole BJ. Chapter 24: Meniscal deficiency- Repair and Transplantation. In *Biologic Knee Reconstruction: A Surgeon's Guide*. Ed. Cole BJ and Harris JD.
15. Chalmers PN, Frank RM, Gupta AK, Yanke AB, Trenhaile SW, Romeo AA, Verma NN: All Arthroscopic Patch Augmentation of a Massive Rotator Cuff Tear. In: Chapter 7: Massive Irreparable Rotator Cuff Tears: How to Rebalance the Cuff-Deficient Shoulder. *Instructional Course Lectures*, Volume 63. Boileau P. AAOS: Chicago, IL.
16. Chalmers PN. "Femoral neck fracture", "Intertrochanteric fracture", "Cemented Primary Total Hip Arthroplasty", "Cementless Primary Total Hip Arthroplasty", and "Instability After Total Hip Arthroplasty" in *Orthopaedic Review: Clinical Vignettes*. Ed. Levine BR. Elsevier: NY, NY.

17. Chalmers PN, Nho SJ. “Anterior Glenohumeral Instability.” in *Orthopaedic Review: Clinical Vignettes*. Ed. Levine BR. Elsevier: NY, NY.
18. Chalmers PN, Van Thiel GS. “Distal Biceps Repair.” in *Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine*. Ed. Cole BJ, Sekiya JK. Elsevier: NY, NY.
19. Chalmers PN, Chahal J, Bach BR Jr. “Knee Diagnosis and Decision Making”, in *DeLee and Drez’s Orthopaedic Sports Medicine, 4th Ed.*
20. Chalmers PN, Sherman SL. “Patient Position, Portal Placement, Normal Arthroscopic Anatomy, and Diagnostic Arthroscopy.” In *Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine*. Ed. Cole BJ, Sekiya JK. Elsevier: NY, NY.
21. Gregory JM, Ellman M, Chalmers PN, Ghodadra N, Romeo AA. “Anterior Shoulder Instability – Arthroscopic Repairs” in *Disorders of the Shoulder: Diagnosis and Management, 3rd ed.* Edited by Iannotti J, Miniaci A, Williams G, Zuckerman J. Philadelphia: Lippincott Williams & Wilkins.
22. Chalmers PN, Al-Shihabi L, Gregory JM, Ghodadra NS, Nicholson GP. “Evaluation and Classification of Failed Instability Repair.” in *Disorders of the Shoulder: Diagnosis and Management, 3rd ed.* Edited by Iannotti J, Miniaci A, Williams G, Zuckerman J. Philadelphia: Lippincott Williams & Wilkins.
23. Chalmers PN, Sherman SL, Ghodadra NS, Nicholson GP. “Arthroscopic management of the frozen shoulder.” in *AAOS Atlas of Essential Orthopaedic Procedures*.
24. Romeo AA, Chalmers PN, Sherman SL, Ghodadra NS, Mather C III. “Biceps tenotomy and tenodesis.” in *AAOS Atlas of Essential Orthopaedic Procedures*.
25. Chalmers PN, Green DW “Care of the equestrian athlete” in *Care of the Young Athlete, 2nd Edition* Ed. Harris SS, Anderson SJ. American Academy of Pediatrics, Elk Grove Village, IL; 2009.

Editorial Activities

Editorial Board, Technology and Basic Science, <i>Orthopedics Today</i>	Jan. 2017-present
Consultant Reviewer, <i>Journal of Orthopaedic Research</i>	Dec. 2017-present
Consultant Reviewer, <i>Journal of Bone and Joint Surgery British</i>	August 2017-present
Consultant Reviewer, <i>Journal of the AAOS</i>	June 2016-present
Principal Reviewer, <i>American Journal of Sports Medicine</i>	July 2015-present
Consultant Reviewer, <i>Clinical Orthopaedics and Related Research</i>	Dec. 2013-present
Consultant Reviewer, <i>Journal of Shoulder and Elbow Surgery</i>	June 2014-present
Consultant Reviewer, <i>PLOS ONE</i>	Jan. 2015
Editorial Board, <i>Rush Orthopaedic Journal</i>	July 2014-June 2015
Consultant Author and Reviewer, <i>McGraw-Hill Clinical Access</i>	July 2014-July 2016
Section Editor, “Rush Grand Rounds”, <i>Orthopedics Today</i>	May 2014-June 2015
Elite Consultant Reviewer, <i>Journal of Arthroplasty</i>	Mar. 2013-Sept. 2016
Editorial Board, <i>Journal of Arthroplasty</i>	Mar. 2015-Sept. 2016
Consultant Reviewer, <i>Elsevier Clinics</i>	Apr. 2013
Consultant Reviewer, <i>SLACK Inc.</i>	Jan. 2013
Consultant Reviewer, <i>Orthopedics</i>	Jul. 2013-present
Consultant Reviewer, <i>McGraw-Hill Case Files</i>	Aug. 2013
Consultant Reviewer, <i>Osteoarthritis and Cartilage</i>	Nov. 2013

Presentations

Research presentations at external meetings

1. Boileau P, Morin-Salvo N, Gauci MO, Seeto BL, Chalmers PN, Holzer N, Walch G. Angled BIO-RSA (bony-Increased reverse shoulder arthroplasty-offset): a solution for management of glenoid bone loss and erosion. SECEC Annual Meeting, Geneva, Switzerland. September 20, 2018. Podium.
2. Orvets N, Gosselin M, Patterson B, Chalmers PN, Salazar D, Keener JD, Chamberlain AM. Midterm Functional And Radiographic Outcomes Of Total Shoulder Arthroplasty In Patients With A B2 Glenoid Addressed With Corrective Reaming. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Podium.
3. Jacxsens M, Peter N. Chalmers PN, Robert Z. Tashjian RZ, Heath B. Henninger HB. Glenoid Defect Size Depends On Glenoid Defect Orientation In Patients With Recurrent Traumatic Anterior Shoulder Instability. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
4. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Open Reduction Internal Fixation Of Medial Epicondyle Fractures After Ulnar Collateral Ligament Reconstruction In Professional Baseball Pitchers. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
5. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Performance And Return To Sport Following Ulnar Nerve Decompression/Transposition In Professional Baseball Players. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
6. Erickson BJ, Chalmers PN, Potter H, Altchek DW, Romeo AA. Magnetic Resonance Imaging Grading System For Tears Of The Latissimus Dorsi And Teres Major. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
7. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Performance And Return To Sport Following Latissimus Dorsi And Teres Major Tears In Professional Baseball Pitchers. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
8. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Performance And Return To Sport Following Open Reduction Internal Fixation About The Elbow In Professional Baseball Players. SECEC-ESSSE Congress, Geneva Switzerland, September 19-22, 2018. Poster.
9. Jacxsens M, Elhabian S, Chalmers P, Tashjian R, Henninger H. Periarticular and Glenoid Morphology of the Scapular Differs in Patients with Hill-Sachs Lesions: a Controlled Statistical Shape Modeling Study. 78th Annual Conference of the Swiss Society of Orthopedics and Trauma Surgery, 6-8th June 2018, Montreux, Switzerland
10. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Performance and Return to Sport Following Ulnar Nerve Transposition/Decompression in Professional Baseball Players. 2018 AOSSM Annual Meeting. San Diego, CA. July 5-8, 2018. Poster.
11. Erickson BJ, Chalmers PN, D'Angelo J, Ma K, Romeo AA. Performance and Return to Sport Following Latissimus Dorsi and Teres Major Injuries in Professional Baseball Pitchers. 2018 AOSSM Annual Meeting. San Diego, CA. July 5-8, 2018. Poster.
12. Jacxsens M, Elhabian SY, Chalmers PN, Tashjian RZ, Heninnger HB. Periarticular and Glenoid Morphology of the Scapula Differs in Patients with Hill-Sachs Lesions: a

- Controlled Statistical Shape Modeling Study. 2018 ORS Annual Meeting. New Orleans, LA. March 6-10, 2018. Poster.
13. Rao AJ, Chalmers PN, Cvetanovich GL, O'Brien M, Newgren J, Cole BJ, Verma NN, Nicholson GP, Romeo AA. Does Pre-operative Doxycycline Reduce *Propionibacterium Acnes* in Shoulder Arthroplasty? 2018 Mid-America Orthopaedic Association Annual Meeting. San Antonio, TX. April 18-22, 2018. Podium.
 14. Rao AJ, Chalmers PN, Cvetanovich GL, O'Brien M, Newgren J, Cole BJ, Verma NN, Nicholson GP, Romeo AA. Does Pre-operative Doxycycline Reduce *Propionibacterium Acnes* in Shoulder Arthroplasty? 2018 AAOS Annual Meeting. New Orleans, LA. March 6-10, 2018. Poster.
 15. Orvets N, Patterson B, Gosselin M, Chalmers P, Salazar D, Keener J, Chamberlain A. Midterm Functional Outcomes of Total Shoulder Arthroplasty in Patients with a B2 Glenoid Addressed with a Reversed Offset Humeral Head. 2018 AAOS Annual Meeting. New Orleans, LA. March 6-10, 2018. Podium
 16. Chamberlain AM, Salazar DH, Yamaguchi K, Keener JD, Chalmers PN. Cost Predictors in Shoulder Arthroplasty: An Comprehensive Analysis of a Single High-Volume Center. 2018 AAOS Annual Meeting. New Orleans, LA. March 6-10, 2018. Podium
 17. Tashjian RZ, Granger E, Chalmers PN. Structural Glenoid Grafting During Primary Reverse Total Shoulder Arthroplasty Utilizing Humeral Head Autograft. 2018 AAOS Annual Meeting. New Orleans, LA. March 6-10, 2018. Podium
 18. Chalmers PN. Antibiotic stewardship for outpatient surgery. *Within Antibiotic Stewardship*, led by Levine BR. 2018 AAOS Annual Meeting. New Orleans, LA. March 6-10, 2018. Instructional Course Lecture.
 19. Rao AJ, Chalmers PN, Cvetanovich GL, O'Brien M, Newgren J, Cole BJ, Verma NN, Nicholson GP, Romeo AA. Does Pre-operative Doxycycline Reduce *Propionibacterium Acnes* in Shoulder Arthroplasty? ASES Annual Meeting. New Orleans, LA. October 13, 2018. Podium.
 20. Orvets ND, Patterson B, Chalmers PN, Yamaguchi K, Keener JD, Chamberlain AM. Midterm Functional and Radiographic Outcomes of Total Shoulder Arthroplasty in Patients with a B2 Glenoid Addressed with Corrective Reaming. San Diego Shoulder Meeting. June 16, 2017.
 21. Erickson BJ Chalmers PN, Waterman BR, Griffin JW, Romeo AA. Performance And Return To Sport In Elite Baseball Players Following Repair Of The Latissimus Dorsi And Teres Major. SECEC Annual meeting. Berlin, Germany. Sept 13-16, 2017. Poster.
 22. Erickson BJ, Chalmers PN, Bach BR, Cohen S, Dines J, Verma NN, Romeo AA. Does Length of Time Between Surgery and Return to Sport Following Ulnar Collateral Ligament Reconstruction in Major League Baseball Players Predict Need for Revision Surgery? AOA Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017.
 23. Frank RM, Chalmers PN, Moric M, Provencher MT, Cole BJ, Verma NN, Romeo AA. Incidence and Trends of Shoulder Stabilization in the United States. 2016 French Arthroscopy Society Annual Meeting. Paris, France. Nov 30-Dec 3, 2016. Podium.
 24. Erickson BJ, Cvetanovich GL, Frank RM, Chalmers PN, Bell JA, Bach Jr. BR, Cole BJ, Verma NN, Romeo AA. Comprehensive Management of Subscapularis Tendon Tears in 2017: An Algorithmic Approach. AAOS Annual Meeting. March 14-18, 2017, San Diego, CA. Scientific Exhibit.

25. Erickson BJ, Chalmers PN, Romeo AA, Cohen MS. Double Docking Technique for Ulnar Collateral Ligament Reconstruction. AAOS Annual Meeting. March 14-18, 2017, San Diego, CA. Video.
26. Erickson BJ, Chalmers PN, Axe MJ, Romeo AA. Effect of exceeding pitch limit recommendations and specialization as a pitcher on risk for UCLR in former LLWS Pitchers who played professional baseball. AAOS Annual Meeting. San Diego, CA. March 14-18, 2017. Poster
27. Chalmers PN, Erickson BJ, Verma NN, Romeo AA. Incidence and Return to Play after Biceps Tenodesis in Major League Baseball Players. AAOS/AOSSM Specialty Day. San Diego, CA. March 18, 2017. Podium. *Featured in Orthopaedics Today.*
28. Keener JD, Chalmers PN, Salazar DH, Chamberlain AM. Radiographic Characterization of the B2 Glenoid: The Effect of Computed Tomographic Axis Orientation. 2017 ASES Annual Meeting. New Orleans, LA. October 11-14, 2017. Podium.
29. Chalmers PN. Antibiotic stewardship for outpatient surgery. *Within Antibiotic Stewardship*, led by Levine BR. 2017 AAOS Annual Meeting. San Diego, CA. March 14-18, 2017. Instructional Course Lecture.
30. Mahkni EC, Chalmers PN, Gundle K, Swart E, Fabricant P. Clinical Research: Getting off the Ground. 2017 AAOS Annual Meeting. San Diego, CA. March 14-18, 2017. Symposium.
31. Cvetanovich GL, Chalmers PN, Mather RC III, Harris JD, Bush-Joseph CA, Nho SJ. Hip arthroscopy in the United States: surgical volume trends, 30-day post-operative morbidity and mortality. AANA Annual Meeting, Boston, MA, April 14-16, 2016. ePoster.
32. Chalmers PN, Cvetanovich GL, Kupfer N, Wimmer MA, Verma NN, Cole BJ, Romeo AA, Nicholson GP. The Champagne Toast Position Isolates the Supraspinatus: An Electromyographic Study of Shoulder Physical Examination Tests. SECEC Annual meeting. Jeju, Korea. May 18-20, 2016. Podium.
33. Erickson BJ, Sgori T, Chalmers PN, Vignona P, Lesniak M, Bush-Joseph CA, Verma NN, Romeo AA. Does Fatigue Alter Pitching Mechanics? International Congress of Shoulder and Elbow Surgery. SECEC Annual Meeting. Jeju, Korea. May 18-20, 2016. Podium. *Awarded the Best Podium Presentation Award.*
34. Chalmers PN, Kayupov E, Sporer SM, Berend KR, Morris MJ, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. Articulating vs. Static Spacers in the Management of Periprosthetic Knee Infection: A Randomized Clinical Trial. MAOA 2016 Annual Meeting. Bonita Springs, FL. April 13-17, 2016. Podium. *Awarded the Physician in Training Award.*
35. Kayupov E, Chalmers PN, Sporer SM, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. A Multi-Center Randomized Clinical Trial of Articulating and Static Spacers for Periprosthetic Hip Infection. MAOA 2016 Annual Meeting. Bonita Springs, FL. April 13-17, 2016. Poster.
36. Erickson BJ, Chalmers PN, Cvetanovich GL, Frank RM, Saltzman BM, Bach BR Jr, Cole BJ, Romeo AA, Verma NN. Superior Labral Anterior-Posterior Tears 2016 Update: Ignore, Debride, Repair, or Tenodesis? 2016 AAOS Annual Meeting. Orlando, FL. March 1-5, 2016. Scientific Exhibit.
37. Kayupov E, Chalmers PN, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. A Multi-Center Randomized Clinical Trial of Articulating and Static Spacers in the Management of Periprosthetic Hip Infection. AAOS Annual Meeting, Orlando, FL, March 5, 2016. Podium.

38. Frank RM, Plummer D, Chalmers PN, Della Valle CJ, Cole BJ. Does Prior Cartilage Restoration Impact Outcomes of Knee Arthroplasty? 2016 AAOS Annual Meeting. Orlando, FL. March 1-5, 2016. Poster.
39. Frank RM, Yanke AB, Chalmers PN, Sayegh ET, Jain A, Verma NN, Romeo AA, Cole BJ, Bach BR Jr. Fixation of Soft Tissue to Bone: Techniques, Implants and Fundamentals. 2016 AAOS Annual Meeting. Orlando, FL. March 1-5, 2016. Scientific Exhibit.
40. Cvetanovich GL, Bohl DD, Chalmers PN, Cole BJ, Romeo AA, Bach BR Jr. Do Patient Populations From High Quality Prospective Sports And Shoulder Studies And National Databases Differ? AAOS Annual Meeting, Orlando, FL, March 5, 2016. Poster.
41. Chalmers PN, Kayupov E, Sporer SM, Berend KR, Deirmengian GK, Parvizi J, Austin M, Chen A, Della Valle CJ. Articulating vs. Static Spacers in the Management of Periprosthetic Knee Infection: A Randomized Clinical Trial. AAOS Annual Meeting, Orlando, FL, March 5, 2016. Podium. *Featured in AAOS Now.*
42. Chalmers PN, Erickon BJ, Ball B, Romeo AA, Verma NN. Fastball Pitch Velocity Predicts Ulnar Collateral Ligament Reconstruction in MLB Pitchers. AAOS Annual Meeting, Orlando, FL, March 5, 2016. Podium.
43. Chalmers PN, Levine BR. Service Versus Education in Residency Training. CORD/AOA meeting within the AAOS Annual Meeting, Orlando, FL, March 5, 2016. Podium.
44. Erickson BJ, Sgori T, Chalmers PN, Vignona P, Lesniak M, Bush-Joseph CA, Verma NN, Romeo AA. Does Fatigue Alter Pitching Mechanics? AAOS/AOSSM Specialty Day, Orlando, FL, March 5, 2016. Podium. *Selected by the Public Relations Committee to be promoted with a press release.*
45. Chalmers PN, Kayupov E, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Chen A, Della Valle CJ. Articulating vs. Static Spacers in the Management of Periprosthetic Knee Infection: A Randomized Clinical Trial. Knee Society Open Meeting, Orlando, FL, March 5, 2016. Podium.
46. Kayupov E, Chalmers PN, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. A Multi-Center Randomized Clinical Trial of Articulating and Static Spacers in the Management of Periprosthetic Hip Infection. International Hip Society Closed Meeting, Chicago, IL. September 10-12, 2015.
47. Kayupov E, Chalmers PN, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. A Multi-Center Randomized Clinical Trial of Articulating and Static Spacers in the Management of Periprosthetic Hip Infection. Hip Society Closed Meeting, Sonoma, CA. October 15-17, 2015.
48. Cvetanovich GL, Chalmers PN, Mather RC III, Harris JD, Bush-Joseph CA, Nho SJ. Hip Arthroscopy in the United States: Surgical Volume Trends and 30 Day Post-Operative Morbidity and Mortality. International Society for Hip Arthroscopy Annual Meeting, Cambridge, England. September 24-26, 2015.
49. Chalmers PN, Kayupov E, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Chen A, Della Valle CJ. Articulating vs. Static Spacers in the Management of Periprosthetic Knee Infection: A Randomized Clinical Trial. AAHKS Annual Meeting, Dallas, TX, Nov 10-13, 2015. Podium.
50. Kayupov E, Chalmers PN, Sporer SM, Berend KR, Deirmengian G, Parvizi J, Austin M, Della Valle CJ. A Multi-Center Randomized Clinical Trial of Articulating and Static Spacers in the Management of Periprosthetic Hip Infection: Preliminary Results. AAHKS Annual Meeting, Dallas, TX, Nov 10-13, 2015. Poster.

51. Erickson BJ, Sgori T, Chalmers PN, Vignona P, Lesniak M, Bush-Joseph CA, Verma NN, Romeo AA. Does Fatigue Alter Pitching Mechanics? SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Poster.
52. Erickson BJ, Chalmers PN, Cvetanovich GL, Frank RM, Romeo AA, Harris JD. Quality and Quantity of the Elbow Arthroscopy Literature: A Systemic Review and Meta-analysis. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Poster.
53. Chalmers PN, Sgroi TA, Riff A, Lesniak M, Sayegh E, Verma NN, Cole BJ, Romeo AA. Correlates with Injury in Youth and Adolescent Pitchers. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Poster.
54. Chalmers PN, Sgroi T, Riff A, Lesniak M, Sayegh E, Wimmer MA, Verma NN, Cole BJ, Romeo AA. Predictors Of Throwing Velocity In Youth And Adolescent Pitchers. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Poster.
55. Mascarenhas R, Chalmers PN, Feldheim T, Mellano CR, Forsythe B, Romeo AA, Nicholson GP. Reverse Total Shoulder Arthroplasty For The Treatment Of Osteoarthritis Without Radiographic Rotator Cuff Tear: A Case Control Study. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Poster.
56. Mellano CR, Chalmers PN, Verma NN, Cole BJ, Romeo AA, Nicholson GP. Functional Results of Bilateral Reverse Total Shoulder Arthroplasty. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Podium. *Nominated for the best paper award.*
57. Chalmers PN, Cvetanovich GL, Kupfer N, Wimmer MA, Verma NN, Cole BJ, Romeo AA, Nicholson GP. Jobe's Position Not The Optimal Position To Test Supraspinatus Strength. SECEC Annual Meeting, Milan, Italy, Sept 16-19, 2015. Podium.
58. Chalmers PN. The role of motion analysis in the prevention and treatment of youth pitching-related upper extremity injuries. Midwest Resident Research Symposium, Chicago, IL. April 17, 2015. Podium.
59. Mascarenhas R, Chalmers PN, Feldheim T, Mellano CR, Forsythe B, Romeo AA, Nicholson GP. Reverse Total Shoulder Arthroplasty For The Treatment Of Osteoarthritis Without Radiographic Rotator Cuff Tear: A Case Control Study. COA/CORS Annual Meeting, Vancouver, BC, Canada. June 17-20, 2015. Poster.
60. Chalmers PN, Feldheim T, Mellano CR, Mascarenhas R, Forsythe B, Romeo AA, Nicholson GP. Reverse Total Shoulder Arthroplasty For The Treatment Of Osteoarthritis Without Radiographic Rotator Cuff Tear: A Case Control Study. 10th Biennial ISAKOS Congress. Lyon, France. June 7-11, 2015. Poster.
61. Chalmers PN, Sgroi T, Riff A, Lesniak M, Sayegh E, Wimmer MA, Verma NN, Cole BJ, Romeo AA. Predictors Of Throwing Velocity In Youth And Adolescent Pitchers. 10th Biennial ISAKOS Congress. Lyon, France. June 7-11, 2015. Poster.
62. Frank RM, Plummer D, Chalmers PN, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? 10th Biennial ISAKOS Congress. Lyon, France. June 7-11, 2015. Poster.
63. Frank RM, Plummer D, Chalmers PN, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? 2015 AOA Annual Meeting. June 24-27, 2015. Providence, RI. Podium.
64. Frank RM, Plummer D, Chalmers PN, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? 2015 AANA Annual Meeting, 23-25 April 2015, Los Angeles, CA. Podium.

65. Frank RM, Plummer D, Chalmers PN, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? 2015 MAOA Annual Meeting, 22-26 April 2015, Hilton Head Island, SC. Podium.
66. Chalmers PN, Cip J, Trombley R, Monson B, Wimmer M, Cole BJ, Verma NN, Romeo AA. Post-operative Restoration Of Upper Extremity Motion and Neuromuscular Control During The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. ASES Annual Closed Meeting. Pinehurst, NC. October 9-12, 2014. Podium.
67. Chalmers PN, Sgroi TA, Riff A, Lesniak M, Sayegh E, Verma NN, Cole BJ, Romeo AA. Predictors of throw velocity in youth and adolescent pitchers. ASSET Annual Meeting. Pinehurst, NC. October 9-12, 2014. Podium.
68. Chalmers PN, Sgroi TA, Riff A, Lesniak M, Sayegh E, Verma NN, Cole BJ, Romeo AA. Correlates with Injury in Youth and Adolescent Pitchers. ASSET Annual Meeting. Pinehurst, NC. October 9-12, 2014. Podium.
69. Frank RM, Plummer D, Chalmers PN, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? AAHKS 2014 Annual Meeting. November 6-9, 2014. Dallas, TX. Poster.
70. Frank RM, Plummer D, Chalmers PC, Sporer S, Levine BR, Cole BJ, Della Valle CJ. Does Prior Cartilage Restoration Negatively Impact Outcomes of Knee Arthroplasty? Members Meeting of the Knee Society. Oct 16-18, 2014. Charlotte, NC. Podium.
71. Riff AJ, Sershon RA, Chalmers PN, Cvetanovich GL, Verma NN, Cole BJ, Romeo AA, Bach BR Jr. Biceps Tenodesis Update: Indications, Techniques, Results, and Complications. Scientific Exhibit SE #84. AAOS Annual Meeting. Las Vegas, NV, March 24-28, 2015.
72. Chalmers PN, Monson B, Frank RM, Mellano C, Mascarenhas R, Cole BJ, Verma NN, Nicholson GP, Bach BR, Romeo AA. Combined labral repair and biceps tenodesis for superior labral anterior posterior tears: clinical comparison to tenodesis alone and repair alone. AAOS Annual Meeting, 25-27 March 2015, Las Vegas, NV. Poster.
73. Chalmers PN, Sgroi T, Riff AJ, Lesniak M, Sayegh E, Verma NN, Cole BJ, Romeo AA. Correlates with injury in youth and adolescent pitchers. AAOS Annual Meeting, 25-27 March 2015, Las Vegas, NV. Podium.
74. Chalmers PN, Sgroi T, Riff AJ, Lesniak M, Verma NN, Cole BJ, Romeo AA. Correlates with injury in youth and adolescent pitchers. AOSSM/AAOS Specialty Day, 28 March 2015, Las Vegas, NV. Podium. *Selected by the Public Relations Committee to be promoted with a press release.*
75. Chalmers PN, Monson B, Mascarenhas R, Verma NN, Cole BJ, Romeo AA. Combined labral repair and biceps tenodesis for superior labral anterior-posterior tears. SECEC Annual Meeting. 17-20 September 2014. Istanbul, Turkey. Podium.
76. Chalmers PN, Gupta AK, Klosterman E, Harris JD, Bach BR, Verma NN, Cole BJ, Romeo AA. Subpectoral Biceps Tenodesis as Primary Treatment for Superior Labrum Anterior-Posterior (SLAP) Tears. SECEC Annual Meeting. 17-20 September 2014. Istanbul, Turkey. Poster.
77. Chalmers PN, Cip J, Trombley R, Monson B, Wimmer M, Cole BJ, Verma NN, Romeo AA. Upper Extremity Motion In The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. SECEC Annual Meeting. 17-20 September 2014. Istanbul, Turkey. Poster.
78. Chalmers PN, Yanke AB, Frank RM, Cole BJ. Clinical outcomes of allograft meniscal transplant revision. AOSSM Annual Meeting. 10-13 July 2014, Seattle, WA. Poster.

79. Chalmers PN, Cip J, Trombley R, Monson B, Wimmer M, Cole BJ, Verma NN, Romeo AA. Post-operative Restoration Of Upper Extremity Motion and Neuromuscular Control During The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. AOSSM Annual Meeting. 10-13 July 2014, Seattle, WA. Podium.
80. Chalmers PN, Feldheim TF, Mellano CR, Mascarenhas R, Fosythe B, Romeo AA, Nicholson GP. Reverse total shoulder arthroplasty for the treatment of osteoarthritis without radiographic rotator cuff tear: a case control study. San Diego Shoulder Course. June 18-21 2014. San Diego, CA. Poster.
81. Chalmers PN, Feldheim TF, Saltzman BM, Mellano CR, Mascarenhas R, Romeo AA, Nicholson GP. Pectoralis transfer for long thoracic nerve palsy: A comparison of direct and direct reconstruction techniques. San Diego Shoulder Course. June 18-21 2014. San Diego, CA. Poster.
82. Chalmers PN, Cip J, Trombley R, Klosterman EL, Wimmer M, Cole BJ, Verma NN, Romeo AA. Upper Extremity Motion In The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. ESSKA 16th Annual Congress, 14-17 May 2014, Amsterdam, The Netherlands. Podium.
83. Chalmers PN, Cip J, Trombley R, Klosterman EL, Wimmer M, Cole BJ, Verma NN, Romeo AA. Post-operative Restoration Of Neuromuscular Control During The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. ESSKA 16th Annual Congress, 14-17 May 2014, Amsterdam, The Netherlands. Podium.
84. Chalmers PN, Cip J, Trombley R, Klosterman EL, Wimmer M, Cole BJ, Verma NN, Romeo AA. Glenohumeral function of the long-head of the biceps muscle: An electromyographic analysis. ESSKA 16th Annual Congress, 14-17 May 2014, Amsterdam, The Netherlands. Poster.
85. Erickson B, Cvetanovich GL, Chalmers PN, Farr J, Bach BR, Cole BJ, Sherman SL. Tibial Tubercle Osteotomy: Indications Techniques and Outcomes. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Scientific exhibit.
86. Frank RM, Yanke AB, Chalmers PN, Cole BJ. Clinical outcomes of allograft meniscal transplant revision. AANA Annual Meeting, May 1-3, 2014, Hollywood, Florida. Podium presentation.
87. Gupta AK, Chalmers PN, Bach BR, Verma NN, Romeo AA. Subpectoral Biceps Tenodesis for Superior Labrum Anterior-Posterior (SLAP) Tears. AANA Annual Meeting, May 1-3, 2014, Hollywood, Florida. Poster.
88. Chalmers PN, Frank RM, Gupta AK, Yanke AB, Trenhaile SW, Romeo AA, Verma NN. Advances in the Management of Massive Rotator Cuff Tears: All-Arthroscopic Patch Augmentation. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Scientific exhibit.
89. Frank RM, Bhatia S, Chalmers PN, Gupta AK, Romeo AA, Verma NN, Cole BJ, Provencher MT. Advances in the Comprehensive Management of Bone Defects in Recurrent Shoulder Instability. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Scientific exhibit.
90. Chalmers PN, Frank RM, Gupta AK, Yanke AB, Trenhaile SW, Romeo AA, Verma NN. All-Arthroscopic Patch Augmentation of a Massive Rotator Cuff Tear. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Podium multimedia presentation. Selected as an Award Program.
91. Frank RM, Chalmers PN, Gupta AK, Bhatia S, Cole BJ, Verma NN, Provencher MT, Romeo AA. Arthroscopic Distal Tibia Allograft for Management of Posterior Glenoid

- Bone Loss. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Podium multimedia presentation.
92. Chalmers PN, Walton D, Sporer SM, Levine BR. Synovial aspirate characteristics: do successful and failed total knee arthroplasties differ? MAOA Annual meeting, April 23-27, 2014, San Antonio, TX. Poster.
 93. Mall NA, Chalmers PN, Moric M, Tanaka MJ, Cole BJ, Bach BR, Paletta GA. Incidence and Trends of Anterior Cruciate Ligament Reconstruction in the United States. MAOA Annual meeting, April 23-27, 2014, San Antonio, TX. Podium.
 94. Chalmers PN, Cip J, Trombley R, Klosterman EL, Wimmer M, Cole BJ, Verma NN, Romeo AA. Upper Extremity Motion In The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. MAOA Annual meeting, April 23-27, 2014, San Antonio, TX. Poster.
 95. Chalmers PN, Cip J, Trombley R, Klosterman EL, Wimmer M, Cole BJ, Verma NN, Romeo AA. Post-operative Restoration Of Neuromuscular Control During The Overhand Pitch: Evaluation Of Tenodesis And Repair For SLAP Tears. MAOA Annual meeting, April 23-27, 2014, San Antonio, TX. Poster.
 96. Walton D, Chalmers PN, Sporer SM, Levine BR. Synovial Inflammatory Response to the Failed Metal-On-Metal Total Hip Arthroplasty. MAOA Annual meeting, April 23-27, 2014, San Antonio, TX. Poster.
 97. Cip J, Chalmers PN, Trombley B, Klostermann E, Wimmer MA, Cole BJ, Verma NN, Romeo AA.: Bewegung im Schultergelenk während dem Überkopfwurf: Evaluation von Tenodese und SLAP-Repair bei SLAP-Läsionen. Akzeptiert für den Kongress der Österreichischen Gesellschaft für Orthopädie und orthopädische Chirurgie (ÖGO); 12 – 14. September 2013, Krems, Österreich.
 98. Cip J, Chalmers PN, Trombley B, Klostermann E, Wimmer MA, Cole BJ, Verma NN, Romeo AA.: Athleten-bezogene Outcome Scores für Überkopfwurfsportler: Evaluation von Tenodese und SLAP-Repair bei SLAP-Läsionen. Akzeptiert als Poster für den Kongress der Österreichischen Gesellschaft für Orthopädie und orthopädische Chirurgie (ÖGO); 12 – 14. September 2013, Krems, Österreich.
 99. Cip J, Chalmers PN, Trombley B, Klostermann E, Wimmer MA, Cole BJ, Verma NN, Romeo AA.: Die postoperative Wiederherstellung der neuromuskulären Kontrolle während des Überkopfwurfes: Evaluation von Tenodese und SLAP-Repair bei SLAP Läsionen. Akzeptiert als Präsentation für den Kongress der Österreichischen Gesellschaft für Orthopädie und orthopädische Chirurgie (ÖGO); 12 – 14. September 2013, Krems, Österreich.
 100. Cvetanovich G, Chalmers PN, Yanke AB, Gupta A, Klosterman E, Verma NN, Romeo AA. Measurement of Glenoid Depth: feasibility of osteoarticular glenoid grafts based on location. AAOS Annual meeting, March 15, 2014, New Orleans, LA. Podium presentation.
 101. Chalmers PN, Walton D, Sporer SM, Levine BR. Synovial aspirate characteristics: do successful and failed total knee arthroplasties differ? AAOS Annual meeting, March 15, 2014, New Orleans, LA. Poster.
 102. Chalmers PN, Cvetanovich G, Yanke AB, Gupta A, Klosterman E, Verma NN, Romeo AA. Measurement of Glenoid Depth: feasibility of osteoarticular glenoid grafts based on location. 32nd Annual Meeting of the Arthroscopy Association of North America, April 25-27, 2013, San Antonio, Texas. Poster.

103. Yanke AB, Chalmers PN, Verma NN, Romeo AA. Biceps Tenodesis: Open Subpectoral and Arthroscopic Technique. 80th Annual Meeting of the American Academy of Orthopaedic Surgeons. March 19-23, 2013, Chicago, IL. Multimedial podium presentation.
104. Chalmers PN, Hudak K, Sporer SM, Levine BR. Correlation of aspiration results with the etiology of aseptic failure in total knee arthroplasty. 2013 Annual Meeting of the Mid-America Orthopaedic Association. April 17-21, Amelia Island, FL. Poster.
105. Chalmers PN, Mall NA, Sherman SL, Paletta GP, Bach BR. Does anterior cruciate ligament reconstruction alter natural history?: A systematic review of long-term outcomes. 2013 Annual Meeting of the Mid-America Orthopaedic Association. April 17-21, Amelia Island, FL. Podium presentation.
106. Chalmers PN, Hudak K, Sporer SM, Levine BR. Correlation of aspiration results with the etiology of aseptic failure in total hip arthroplasty. 2013 Annual Meeting of the Mid-America Orthopaedic Association. April 17-21, Amelia Island, FL. Podium presentation.
107. Chalmers PN, Mall NA, Sherman, SL, Paletta GP, Bach BR. Does anterior cruciate ligament reconstruction alter natural history?: A systematic review of long-term outcomes. 80th Annual Meeting of the American Academy of Orthopaedic Surgeons. March 19-23, 2013, Chicago, IL. Podium presentation.
108. Chalmers PN, Hudak K, Sporer SM, Levine BR. Correlation of aspiration results with the etiology of aseptic failure in total hip arthroplasty. 80th Annual Meeting of the American Academy of Orthopaedic Surgeons. March 19-23, 2013, Chicago, IL. Podium presentation. Featured in *AAOS Now*.
109. Chalmers PN, Karas V, Sherman SL, Cole BJ. Return to High-Level Sport Following Meniscal Allograft Transplantation. 80th Annual Meeting of the American Academy of Orthopaedic Surgeons. March 19-23, 2013, Chicago, IL. Podium presentation.
110. Chalmers PN, Hudak K, Sporer SM, Levine BR. Correlation of aspiration results with the etiology of aseptic failure in total knee arthroplasty. 22nd Annual Meeting of the American Association of Hip and Knee Surgeons. November 2-4, 2012, Dallas, TX. Poster.
111. Karas V, Chalmers P, Sherman S, Cole B. Return to High-Level Sport following Meniscal Allograft Transplantation. Herodicus Society Annual Meeting. Sun Valley, Idaho. June 21, 2011. Podium presentation.
112. Chalmers PN, Yanke AB, Sherman SL, Karas V, Cole BJ. Combined Realignment and Cartilage Restoration for a Patellar Chondral Lesions. 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 7-11, 2012, San Francisco, CA. Multimedial podium presentation
113. Simcock XC, Yoon RS, Chalmers P, Geller JA, Kiernan HA, Macaulay W. Intraoperative music reduces perceived pain after total knee arthroplasty: a blinded, prospective, randomized, placebo-controlled clinical trial. Orthopedic Research Society Annual Meeting. March 3-5, 2008, San Francisco, CA. Podium presentation.
114. Simcock XC, Yoon RS, Chalmers P, Geller JA, Kiernan HA, Macaulay W. Intraoperative music reduces perceived pain after total knee arthroplasty: a blinded, prospective, randomized, placebo-controlled clinical trial. Annual meeting of the American Orthopaedic Association, 2008. Podium presentation.

Invited Presentations

1. Chalmers PN. Fracture Management in the Elderly, with Dr. John Itamura, Dr. Daniel Mole, and Dr. Bradford Parson. ASES Annual Meeting. Chicago, IL. October 11, 2018.
2. Chalmers PN. Moderator for Youth Athlete Section. AOSSM Annual Meeting. San Diego, CA. July 5-8, 2018.
3. Chalmers PN, Boileau P. Biceps Over-tensioning During Tenodesis. Nice Shoulder Course. Nice, France. June 1, 2018.
4. Chalmers PN. Ulnar Collateral Ligament Injuries. 2nd Annual Sports Medicine Symposium: The Pediatric Athlete. Park City, UT. March 3, 2018.
5. Chalmers PN. Shoulder Instability. 2nd Annual Sports Medicine Symposium: The Pediatric Athlete. Park City, UT. March 3, 2018.
6. Chalmers PN. The Ulnar Collateral Ligament Tear Epidemic. Baseball Sports Medicine: Game Changing Concepts. New York, NY. Nov 16-17, 2017.
7. Chalmers PN. Adolescent Pitching Mechanics and Pitch Counts. Baseball Sports Medicine: Game Changing Concepts. New York, NY. Nov 16-17, 2017.
8. Chalmers PN. Adolescent Pitching Mechanics and Pitch Counts. Baseball Sports Medicine: Game Changing Concepts. New York, NY. Nov 3-4, 2016.
9. Chalmers PN. Little Leaguer's Shoulder. Baseball Sports Medicine: Game Changing Concepts. New York, NY. Nov 3-4, 2016.

In-house Podium Presentations

1. Chalmers P. Shoulder Fractures. University of Utah Trauma Core Lecture. Salt Lake City, UT. July 11, 2018.
2. Chalmers P. Elbow instability. University of Utah Sports Core Lecture. Salt Lake City, UT. March 16, 2018.
3. Chalmers P. Proximal humerus fractures. University of Utah Sports Core Lecture. Salt Lake City, UT. March 2, 2018.
4. Chalmers P. Rotator Cuff Tears. University of Utah Sports Core Lecture. Salt Lake City, UT. December 22, 2017.
5. Chalmers P. Management of Acute Proximal and Mid-Shaft Humerus Fractures. University of Utah Physical Medicine and Rehabilitation Core Lecture. Salt Lake City, UT. December 21, 2017.
6. Chalmers P. Traveling Fellowship. University of Utah Grand Rounds. Salt Lake City, UT. September 20, 2017.
7. Chalmers P. Humerus fractures. University of Utah Trauma Core Lecture. Salt Lake City, UT. August 2, 2017.
8. Chalmers P. Quadrilateral Space Syndrome. University of Utah Physical Medicine and Rehabilitation Core Lecture. Salt Lake City, UT. April 11, 2017.
9. Chalmers P. Throwing Injuries. University of Utah Sports Core Lecture. Salt Lake City, UT. February 17, 2017.
10. Chalmers P, Keener J. Anterior Shoulder Instability. Washington University Medical Center Orthopaedic Grand Rounds. Saint Louis, MO. October 28, 2015.
11. Chalmers P, Chamberlain AM. Shoulder & Elbow Interactive: Selected Cases. Washington University Medical Center Orthopaedic CORE Curriculum. Saint Louis, MO. October 22, 2015.

12. Chalmers P. The role of motion analysis in the prevention and treatment of youth pitching-related upper extremity injuries. Rush University Medical Center Thesis Day. Chicago, IL. June 19, 2015.
13. Chalmers P, Yanke AB. The Sports Section of the Orthopaedic In-Training Examination. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. Oct. 20, 2014.
14. Chalmers P, Phillips F. Cervical Spine Anatomy and Physical Examination. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. July 21, 2014.
15. Chalmers P, Nho SJ. Gluteus Maximum Transfer for Abductor Deficiency. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. July 9, 2014.
16. Chalmers P, Romeo AA. Glenohumeral Instability and Arthropathy. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. May 21, 2014.
17. Chalmers P, Cohen MS. Distal Humerus Fractures. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. March 3, 2014.
18. Chalmers P, Rosenberg AG. Management of proximal tibial bone loss in revision total knee arthroplasty. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. January 8, 2014.
19. Chalmers P, Lin J. Calcaneal Fractures. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. December 16, 2013.
20. Chalmers P, Nicholson GP. Reverse Total Shoulder Arthroplasty: Balancing Biomechanics in a Nonanatomic Prosthesis. Third Annual OREF-Andersson Lectureship with Dr. Joseph Zuckerman. Chicago, IL. August 14, 2013.
21. Chalmers P, Wysocki RW. Elbow Anatomy and Physical Examination. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. August 5, 2013.
22. Chalmers P, Nho S. Arthroscopic management of femoroacetabular impingement in the setting of excess femoral anteversion. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. January 2, 2013.
23. Chalmers P, Jacobs JJ. Anatomy of the hip and thigh. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. December 17, 2012.
24. Chalmers P, Gitelis S. Scapulectomy for Ewing's Sarcoma. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. December 5, 2012.
25. Chalmers P, Romeo AA. SLAP tears and the role of the long-head of the biceps tendon in the overhead athlete. Second Annual OREF-Andersson Lectureship with Dr. James Andrews. Chicago, IL. August 17, 2012.
26. Chalmers P, Lee S. Anatomy of the leg and ankle. Rush University Medical Center Department of Orthopaedic Surgery Core Curriculum. Chicago, IL. November 14, 2011.
27. Chalmers P, Della Valle CV. Antibiotic Cement Spacers: Design, Outcomes, and Complications. First Annual OREF-Andersson Lectureship with Dr. Daniel Berry. Chicago, IL. October 14, 2011.
28. Chalmers P, Lin J. Posterior Tibialis Tendon Insufficiency. Rush University Medical Center Department of Orthopaedic Surgery Grand Rounds. Chicago, IL. December 21, 2011.

Certification

Basic Cardiac Life Support, American Heart Association (Renewal)	2018
Physician License (#9847729-1205), State of Utah	2016
Advanced Cardiac Life Support, American Heart Association (Renewal)	2016
American Board of Orthopaedic Surgery, Board Eligible, 97 th percentile	2015
Physician License (#2015005950), State of Missouri	2015
Advanced Cardiac Life Support, American Heart Association (Renewal)	2014
Advanced Cardiac Life Support, American Heart Association (Renewal)	2012
USMLE, Step 3	2011
Physician License (#125-057732), State of Illinois	2010
Advanced Cardiac Life Support, American Heart Association	2010
USMLE, Step 2 CK, CS	2009
USMLE, Step 1	2008

Professional Societies

American Shoulder and Elbow Surgeons (ASES)	2017 - Present
Arthroscopy Association of North America (AANA)	2013 – Present
American Academy of Orthopaedic Surgeons (AAOS)	2010 – Present

Extracurricular Clinical and Surgical Education

- American Association of Hip and Knee Surgeons Resident Course
Dallas, TX, November 4-6, 2011, Director: Craig J. Della Valle, MD
- Arbeitsgemeinschaft für Osteosynthesefragen, Basic Principles of Operative Fractures
New Orleans, LA, January 19-22, 2011, Director: Paul Gladden, MD
- Orthopaedic Trauma Association, Comprehensive Fracture Course for Residents
Chicago, IL, April 25-28, 2011, Director: Gregory Della Rocca, MD
- AAOS/AOSSM, Fundamentals of Knee and Shoulder Arthroscopy for Orthopaedic Residents
Rosemont, IL, September 14-16, 2012, Director: Andrew Cosgarea MD; Jon Sekiya, MD
- Musculoskeletal Clinicopathologic Course
Chicago, IL, October 8-10, 2012, Director: Rex Haydon, MD, Ph. D
- AAOS/ASES Shoulder Arthroplasty: State of the Art
Rosemont, IL, November 15-17, 2012, Director: Evan Flatow, MD; John Sperling, MD
- Arthroscopy Association of North America Resident's Course
Rosemont, IL, January 17-20, 2013, Director: William Ciccone, MD

Pathophysiologic Background of Orthopaedic Disorders

Chicago, IL, April 27-28, 2013, Directors: Alan Schiller, MD; Andrew Rosenberg, MD

AAOS/ASES Arthroscopic Management of Rotator Cuff Disease and Instability

Rosemont, IL, July 26-27, 2013, Directors: Craig Satterlee, MD; April Armstrong, MD

Clinician Scholar Career Development Program

Rosemont, IL, September 26-28, 2013, Director: Mathias P. Bostrom, MD

AANA Master's Shoulder Course

Rosemont, IL, January 31-February 2, 2014, Director: Anthony A. Romeo, MD

The Shoulder: Current Concepts on Sports, Trauma, and Reconstruction

San Antonio, TX, April 23, 2014, Director: Brian R. Wolf, MD, MS

Resident Leadership Forum, American Orthopaedic Association

Montreal, Canada, June 17-19, 2014, Director: Robert F. Ostrum, MD

AAOS/ASES 21st Century Elbow Reconstruction: Update on Concepts and Controversies

Rosemont, IL, November 14-15, 2014, Director: Brad Parsons, MD; Leesa Galatz, MD

Tornier Fellowship Course in Shoulder Arthroplasty

Las Vegas, NV, November 19-21, 2015, Director: Sean Churchill MD; Mike Freehill MD

AAOS/ASES Reverse Total Shoulder and Latarjet Procedures

Rosemont, IL, January 29-30, 2016, Directors: Anand Murthi, MD and Jay Keener, MD

Karen Zupko & Associates: ICD-10: Making It Work and Mastering Orthopaedic Coding 2016

Chicago, IL, April 29-30, 2016, Director: Karen Zupko

ORS/OREF/AAOS New Investigator Research Funding Workshop

Jacksonville, FL, May 13-14, 2016, Directors: James Iatridis, PhD; Kurt Spindler, MD

Traveling fellowship: Nice, France; Birmingham, AL; Los Angeles, CA

August 15-October 17 2016, Directors: Pascal Boileau MD PhD, Lyle Cain MD, Jeff Dugas MD, James Andrews MD, Robert Grumet MD, Michael Shepherd MD

Tohoku University Traveling Fellowship: Sendai, Japan

January, 2018, Directors: Eiji Itoi MD PhD and Nobuyuki Yamamoto, MD PhD

Rush University Medical Center Department of Orthopaedic Surgery Motor Skills Courses

Knee Arthroscopy, October 23, 2010, Director: Bernard R. Bach, MD

Shoulder Arthroscopy, January 22, 2011, Director: Gregory P. Nicholson, MD

Hip Arthroscopy, March 2, 2011, Director: Shane J. Nho, MD

Shoulder Arthroscopy, July 23, 2011, Director: Anthony A. Romeo, MD

Knee Arthroscopy, October 15, 2011, Director: Charles A. Bush-Joseph, MD

Shoulder Arthroscopy, January 21, 2012, Director: Brian J. Cole, MD
 Hip Arthroscopy, February 4, 2012, Director: Shane J. Nho, MD
 Elbow Arthroscopy, March 10, 2012, Director: Robert W. Wysocki, MD
 Knee Arthroscopy, April 21, 2012, Director: Shane J. Nho, MD
 Shoulder Arthroscopy, July 21, 2012, Director: Anthony A. Romeo, MD
 Knee Arthroscopy, October 13, 2012, Director: Brian Forsythe, MD
 Shoulder Arthroscopy, January 12, 2013, Director: Bernard R. Bach, MD
 Hip Arthroscopy, March 2, 2013, Director: Shane J. Nho, MD
 Knee Arthroscopy, April 20, 2013, Director: Brian Forsythe, MD
 Shoulder Arthroscopy, July 20, 2013, Director: Anthony A. Romeo, MD
 Knee Arthroscopy, October 19, 2013, Director: Bernard R. Bach, MD
 Shoulder Arthroscopy, January 11, 2014, Director: Gregory P. Nicholson, MD
 Hip Arthroscopy, February 8, 2014, Director: Shane J. Nho, MD
 Knee Arthroscopy, April 19, 2014, Director: Nikhil N. Verma, MD
 Shoulder Arthroscopy, June 14, 2014, Director: Brian Forsythe, MD
 Knee Arthroscopy, October 18, 2015, Director: Bernard R. Bach, MD
 Elbow Arthroscopy, January 10, 2015, Director: Robert W. Wysocki, MD

Formal Research Positions

Hospital for Special Surgery, <i>Research Fellow</i> Principal Investigator: Daniel Green, MD, FACS	New York, NY 2007-2010
Columbia University, Dept. of Orthopedic Surgery, <i>Research Fellow</i> Principal Investigator: William Macaulay, MD, FACS	New York, NY 2007
Dartmouth College, Chemistry Department, <i>Senior Thesis</i> Chemistry thesis in the lab of Prof. F. Jon Kull <ul style="list-style-type: none"> Awarded the <i>Merck Award</i> for my research 	Hanover, NH January to June 2005

Team Coverage

Utah Jazz National Basketball Association Team: October 2017-Present
 University of Utah Baseball: October 2016-Present
 Salt Lake City Bees Professional AAA Baseball Team: October 2016-Present
 Nazareth Academy High School Football: November 15, 2014
 Rockford Icehogs Minor League Professional Hockey: February 21, 2014
 Chicago Force Women's Professional Football: Pre-participation physicals: February 2, 2013
 Roosevelt University Collegiate Men's and Women's Basketball: January- February, 2013
 Chicago Steel Semi-Professional Hockey: October 21, 2011, January 19, 2013, April 6, 2013
 Oak Park River Forest High School Football: September 29, 2012
 Chicago Mustangs Semi-Professional Football: June 23, 2012, August 4, 2012
 Morton High School Football: September 16, 2011

Activities

Shoulder/Elbow Knowledge Source Group American Board of Orthopaedic Surgery	May 2018-Present
Internet Presence Advisory Committee Department of Orthopaedic Surgery, University of Utah Medical Center	2016-Present
Residency Selection Committee, <i>Chief Resident Interviewer</i> Department of Orthopaedic Surgery, Rush University Medical Center	2014-2015
Academic Leadership Committee, American Orthopaedic Association	July 2013 – June 2015
Orthopaedic Liason, Association of Accredited Medical College	July 2013 – June 2015
Residency Class Supervisory Board Elected Liason Department of Orthopaedic Surgery, Rush University Medical Center	2011-2012
Licensing Committee on Medical Education ○ Clinical Academics Student Co-Chair, aiding in reaccrediting Columbia	2008-2010
Punahou School, Academy Science Department, <i>Faculty Member</i> Department Head: Darcy Iams, Program Director: Gerald Devlin Taught biology to high school freshmen, Coached distance running.	Honolulu, HI 2005-2006
Dartmouth Undergraduate Journal of Science (DUJS) <i>DUJS</i> mentioned in <i>Nature</i>	President 2003
Lightweight Rowing, Dartmouth College Set a Dartmouth ergometer record for the 2000 m distance	2001-2002
Eagle Scout, Boy Scouts of America	2000

References

Attending:

1. Charles Saltzman, MD, Chairman and Professor – Department of Orthopaedic Surgery – University of Utah Medical Center, Charles.Saltzman@hsc.utah.edu, (801) 647-7018
2. Robert Z. Tashjian, MD, Professor – Department of Orthopaedic Surgery – University of Utah Medical Center, Robert.Tashjian@hsc.utah.edu, (314) 288-8942

Fellowship:

3. Ken Yamaguchi, MD MBA, Sam and Marilyn Fox Distinguished Professor – Department of Orthopaedic Surgery – Washington University in Saint Louis, Division of Shoulder and Elbow Surgery, yamaguchi@wudosis.wustl.edu, (314) 680-6706

4. Jay D. Keener, MD, Associated Professor – Department of Orthopaedic Surgery – Washington University in Saint Louis, Division of Shoulder and Elbow Surgery, keenerj@wudosis.wustl.edu, (314) 956-6315

Residency:

5. Joshua J. Jacobs, MD, 2013-14 President of the AAOS, William A. Hark, MD / Susanne G. Swift Professor and Chairman - Department of Orthopaedic Surgery – Rush University Medical Center, Division of Hip & Knee Reconstruction, jjacobs@rushortho.com, (312) 735-3584
6. Monica Kogan, MD, Residency Director, Assistant Professor – Department of Orthopaedic Surgery – Rush University Medical Center, Division of Pediatric Orthopaedics, mkogan@rushortho.com, (846) 728-0056
7. Brett R. Levine, MD, MS, Former Residency Director, Associate Professor - Department of Orthopaedic Surgery - Rush University Medical Center, Division of Hip & Knee Reconstruction, blevine@rushortho.com, (312) 519-8927
8. Anthony A. Romeo, MD, Section Head - Shoulder and Elbow Surgery, Professor– Department of Orthopaedic Surgery – Rush University Medical Center, Division of Sports and Shoulder Surgery, anthony.romeo@rushortho.com, (312) 735-2982
9. Bernard R. Bach, MD, Director – Division of Sports Medicine, Claude N. Lambert, MD / Helen S. Thomson Professor - Department of Orthopaedic Surgery - Rush University Medical Center, brbachmd1952@gmail.com, (312) 735-3568
10. Gregory P. Nicholson, MD, Associate Professor– Department of Orthopaedic Surgery – Rush University Medical Center, Division of Sports and Shoulder Surgery, orthonick@comcast.net, (312) 735-2898
11. Brian J. Cole, Professor– Department of Orthopaedic Surgery – Rush University Medical Center, Division of Sports and Shoulder Surgery, bcole@rushortho.com, (312) 735-3576
12. Nikhil N. Verma, Assistant Professor - Department of Orthopaedic Surgery – Rush University Medical Center, Division of Sports and Shoulder Surgery, nikhil.verma@rushortho.com, (312) 802-3327