

Curriculum Vitae

Nathan A. Mall, MD, CIME

May 7th, 2016

Business

The Orthopedic Center of St. Louis
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Chesterfield, MO 63017
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5/3/2016-present

Regeneration Orthopedics
Director, St. Louis Center for Cartilage Repair and Restoration
6 McBride and Sons Center Drive
Saint Louis, MO 63005

8/1/2012-5/3/2016

Board Certification

Diplomate of the American Board of Orthopedic Surgery
(Board Certified in Orthopedic Surgery)

7/24/2014

Certified Independent Medical Examiner (CIME)

4/28/2015

Board Certified, American Board of Independent Medical Examiners

Hospital Affiliations

Mercy Hospital and Ambulatory Surgery Center
Missouri Baptist Medical Center
Barnes-Jewish West County Hospital
St. Anthony's Medical Center
St. Louis Surgery Center
Timberlake Surgery Center

Education

Duke University School of Medicine (2002-2006)
Medical Doctor, May 2006

University of Missouri-Columbia (1998-2001)

Bachelor of Science with Honors in Biochemistry, December 2001
Summa Cum Laude

Post Graduate Education and Training

Rush University Medical Center Sports Medicine and Shoulder Fellowship
August 1, 2011 through July 31, 2012

Orthopaedic Surgery Residency (June 2007-June 2011)

Washington University/Barnes-Jewish Hospital
Department of Orthopedics
Surgical Internship (June 2006-June 2007)
Washington University/Barnes-Jewish Hospital
Department of Surgery, Department of Orthopedics

Past/Current Professional Society Memberships

Health Policy Committee, AANA
Diplomate American Board of Orthopedic Surgery
American Academy of Orthopaedic Surgery
Arthroscopy Association of North America (AANA)
American Orthopaedic Society for Sports Medicine
International Cartilage Repair Society-Junior Member
Mid-America Orthopaedic Association
Mid-Central States Orthopaedic Society
Missouri State Orthopaedic Association
St. Louis Orthopaedic Society
Duke Medical Alumni Association

Honors and Awards

J Whit Ewing Clinical Research Award Arthroscopy Association of North America (AANA)	2012
Harley and Betty Baxter SOA Resident Research Award Southern Orthopaedic Association	2011
American Orthopaedic Association (AOA) Emerging Leaders Program	2010
Clinical Scientist Development Program-AAOS	2010
AOA Resident Leadership Forum	2010
Journal of Orthopaedic Trauma Resident Teaching Award	2009
Henry O. Marsh Resident Research Award Mid-Central States Orthopaedic Society Research Award	2009
Baxter Resident Research Award, Southern Orthopaedic Association	2006
Orthopaedic Research Scholarship Division of Orthopaedics, Duke University	2004
Summa Cum Laude University of Missouri	2001
Honors in Biochemistry University of Missouri	2001
Mortar Board Honor Society University of Missouri	2001
Gamma Sigma Delta Honor Society University of Missouri	2001
Gamma Sigma Epsilon Honor Society University of Missouri	2001
Phi Eta Sigma Honor Society University of Missouri	1999

Golden Key Honor Society University of Missouri	1999
St. Louis Post-Dispatch Scholar Athlete	1998
US Dept of the Army Scholar Athlete	1998
Boy's State of Missouri Representative	1997
National Science Foundation Young Scholar	1997
Missouri Scholar's Academy	1996

Team Coverage Experience

Professional

- 1) St. Louis Cardinals
 - a) Spring Training 2014
 - b) Spring training 2013
 - c) Game Coverage (2013 season)
- 2) St. Charles Chill Hockey Team
 - a) Head Team Physician (2013-2014 season)
- 3) St. Charles Ambush Soccer Team
 - a) Assistant Team Physician (2013-2014 season)
- 4) Real Madrid vs InterMilan Soccer Match
 - a) Edward Jones Dome, St. Louis, MO. August 10, 2013
- 5) Argentina vs Bosnia Soccer Match
 - a) Busch Stadium, St. Louis, MO. November 18, 2013
- 6) Chicago Bulls
 - a) Training Camp – 12/2011
 - b) Game Coverage (2011/2012 Season)
- 7) Chicago White Sox
 - a) Game coverage (2011 Season & 2012 Season)
 - b) Spring Training (February 2012)
- 8) St. Louis Blues
 - a) Team Physicals (July 2009)
 - b) Game coverage (2009/2010 season)
- 9) St. Louis Rams
 - a) Training camp (August 2009)
 - b) Training Room coverage (2009/2010 season)

Collegiate/Developmental Leagues

- 1) NCAA Basketball Tournament – Head Physician (March 2012)
- 2) Depaul University (2011/2012)
- 3) Chicago Steel Hockey
 - a) Game coverage (2011/2012 Season)
- 4) IGI Chicago Style Gymnastics Invitational Meet (2012)
 - a) Largest gymnastics meet in the world

High School

- 1) Mehlville Senior High School
 - a) Head Team Physician (2014-present)

- 2) McDonald's All-American Men's and Women's Games – Head Physician (March 2012)
- 3) Oak Park/River Forest High School, Chicago, IL
 - a) Varsity Football Coverage (Fall 2011)
- 4) Parkway Central High School, St. Louis, MO
 - a) Varsity Football Coverage (Fall 2008/Fall 2009)
- 5) Troy Buchanan High School, Troy, MO
 - a) Varsity Football Coverage (Fall 2008/Fall 2009)
- 6) John F. Kennedy High School, St. Louis, MO
 - a) Varsity Football Coverage (Fall 2009)

Invited Course Instruction/Academic Lectures

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|---|------------------|
| 1) SSM Physical Therapy Workers Compensation Seminar
St. Louis, MO | 04/28/2016 |
| 2) Shoulder Summit
Naples, FL | 02/19-02/20/2016 |
| 3) Orthopedic Technology and Innovation Forum
Naples, FL | 01/10-01/11/2016 |
| 4) Current Solutions in Sports Medicine and Arthroscopic Surgery
Chicago, IL | 08/14-08/16/2015 |
| 5) PRP and Biologic Treatments of Common Occupational Medicine Conditions
Lake Ozark, MO | 06/08/2015 |
| 6) Advanced Shoulder Surgical Symposium
Wichita, KS | 05/09/2015 |
| 7) Midwest Advanced Sales Consultant training course
Arthrex, Inc Laboratories, St. Louis, MO | 04/20/2015 |
| 8) Cartilage and Meniscus Transplantation Course
AANA, Chicago, IL | 11/22-11/24/2014 |
| 9) Shoulder Reconstruction and Arthroplasty Course
Naples, FL | 09/13/2014 |
| 10) Advanced Shoulder Arthroscopy Course
Naples, FL | 09/12/2014 |
| 11) Examination of the Shoulder and Common Pathology
i) Logan College, St. Louis, MO | 07/14/2014 |
| 12) Examination of the Knee and Common Pathology
i) Logan College, St. Louis, MO | 07/07/2014 |
| 13) Advanced Shoulder Arthroscopy and Arthroplasty
Kansas City, MO | 07/26/2014 |
| 14) Advancements in the Treatment of Shoulder Pathology
Detroit Orthopedic Society, Detroit, MI | 04/14/2014 |
| 15) Evaluation and Treatment of Knee Pain
Logan College, St. Louis, MO | 02/14/2014 |
| 16) Evaluation and Treatment of Shoulder Pain
Logan College, St. Louis, MO | 02/03/2014 |
| 17) Sports Medicine and Anatomy Update, St. Louis, MO
Anatomy Lab for Athletic Trainers in St. Louis | 12/10/2013 |
| 18) Examination of the Shoulder and Common Pathology | 08/06/2013 |

Mercy Grand Rounds	
19) Cartilage Restoration – Past, Present, Future Mercy Grand Rounds-Family Medicine	07/16/2013
20) Cartilage Restoration – Past, Present, Future Mercy Grand Rounds-Internal Medicine	05/07/2013
21) Sports Fellow Teaching Conference, Chicago, IL Acromioclavicular joint injury mechanism, classification, and treatment	08/04/2011
22) Sports Fellow Teaching Conference, Chicago, IL ACL Reconstruction techniques and graft fixation options	08/11/2011
23) AANA Resident Arthroscopy Course, Rosemont, IL	08/19-21/2011
24) Sports Fellow Teaching Conference, Chicago, IL SLAP Tears, diagnosis and treatment.	08/23/2011
25) Shoulder Arthroscopy Laboratory, Chicago, IL	08/24/2011
26) Sports Medicine Journal Club, Rush University, Chicago, IL AC Joint Injuries	09/19/2011
27) Sports Fellow Teaching Conference, Chicago, IL Meniscus Anatomy, tear characteristics, and treatment options.	09/22/2011
28) Sports Medicine Journal Club, Rush University, Chicago, IL Ulnar Collateral Ligament Elbow Injuries	09/26/2011
29) Sports Medicine Conference, OITE Review, Chicago IL	10/24/2011
30) AANA Master’s Experience-Cartilage Course, Rosemont, IL	10/28-10/30/2011
31) Ultrasound Course-Sonosite, Chicago, IL	11/7/2011
32) Sports Fellow Teaching Conference, Chicago, IL Arthroscopic Knot Tying	11/11/2011
33) Sports Medicine Journal Club, Rush University, Chicago, IL Platelet Rich Plasma (PRP) use in Rotator Cuff Repair	12/12/2011
34) Sports Medicine Arthroscopy Course-Shoulder, Chicago, IL	01/21/2012
35) Sports Medicine Arthroscopy Course-Hip, Chicago, IL	02/04/2012
36) Sports Medicine Journal Club, Rush University, Chicago, IL Revision Anterior Shoulder Stabilization	02/20/2012
37) Sports Medicine Arthroscopy Course-Hip, Chicago, IL	03/03/2012
38) Sports Medicine Arthroscopy Course-Elbow, Chicago, IL	03/10/2012

Administrative Service

- 1.) Reviewer-Journal of Knee Surgery
- 2.) Curriculum Committee, Washington University, Dept of Orthopedics (Co-representative for Class of 2011)
- 3.) Co-Chair, Orthopaedic Interest Group, Duke University School of Medicine
- 4.) Curriculum Committee, Duke University School of Medicine

Grant Support

Journal of Bone and Joint Surgery/Orthopaedic Research and Education Foundation Resident Journal Club Grant (2009)

Publications

Peer-Reviewed Publications

- 1.) **Nathan A. Mall**, Rachel M. Frank, BM Saltzman, Brian J Cole, Bernard R. Bach, Jr. Results After Anterior Cruciate Ligament Reconstruction in Patients Older Than 40 Years: How Do They Compare With Younger Patients? A Systematic Review and Comparison With Younger Populations. *Sports Health*. 2015 Dec 16.
- 2.) **Nathan A. Mall**, Joshua D. Harris, Brian J. Cole. Clinical Evaluation and Pre-operative Planning of Articular Cartilage Lesions of the Knee. *J Am Acad Orthop Surg*. 2015 Oct;23(10):633-40. Epub 2015 Sep 16.
- 3.) BM Saltzman, Gregory L. Cvetanovich, BU Nwachukwu, **Nathan A. Mall**, Charles A. Bush-Joseph, Bernard R. Bach, Jr. Economic Analyses in Anterior Cruciate Ligament Reconstruction: A Qualitative and Systematic Review. *Am J Sports Med*. 2015 Apr 30.
- 4.) Brandon J. Erickson, Rachel M. Frank, Joshua D. Harris, **Nathan A. Mall**, Anthony A. Romeo. The influence of humeral head inclination in reverse total shoulder arthroplasty: a systematic review. *J Shoulder Elbow Surg*. 2015 Feb 26
- 5.) Cara Cipriano, **Nathan A. Mall**, Michael J. Salata, Steven Gitelis, Bernard R. Bach, Jr. Intraarticular Myositis Ossificans Presenting as Flexion Contracture. Case Report. *Journal of Knee Surgery Reports*, February 2, 2015.
- 6.) **Nathan A. Mall**, Peter N. Chalmers, Mario Moric, Brian J. Cole, Bernard R. Bach, George A. Paletta. Incidence and Trends of ACL reconstruction in the United States. *AJSM*, August 1st, 2014
- 7.) **Nathan A. Mall**, Geoffrey D. Abrams, Frank M. Azar, Steven M. Traina, Answorth A. Allen, R Parker, Brian J. Cole. Trends in primary and revision anterior cruciate ligament reconstruction among national basketball association team physicians. *Am J Orthop (Belle Mead NJ)*. 2014 Jun;43(6):267-71.
- 8.) **Nathan A. Mall**, Miho J. Tanaka, Luke S. Choi, George A. Paletta. Current Concepts Review: Factors associated with Rotator Cuff Healing. *Journal of Bone and Joint Surgery*. 2014 May 7;96(9):778-88.
- 9.) Muyibat A. Adelani, **Nathan A. Mall**, H Nyazee, John C. Clohisy, Robert L. Barrack, Ryan M. Nunley. Revision Total Hip Arthroplasty with Retained Acetabular Component. *J Bone Joint Surg Am*. 2014 Jun 18;96(12):1015-1020. [Epub ahead of print]
- 10.) Taralyn M. McCarrel, **Nathan A. Mall**, Andrew S. Lee, Brian J. Cole, Lisa Fortier. Considerations for the use of platelet-rich plasma in Orthopedics. *Sports Medicine*. April 24, 2014 epub ahead of print.
- 11.) Peter N. Chalmers, **Nathan A. Mall**, Mario Moric, Seth L. Sherman, George A. Paletta, Brian J. Cole, Bernard R. Bach, Jr. Does ACL Reconstruction Alter Natural History?: A Systematic Literature Review of Long-Term Outcomes. *J Bone Joint Surg Am*. 2014 Feb 19;96(4):292-300
- 12.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M. Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Jr, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. *Am J Sports Med*. 2014 Feb 27. [Epub ahead of print]
- 13.) James Keeney, Ryan M. Nunley, Muyibat Adelani, **Nathan A. Mall**. Magnetic Resonance Imaging for the Hip: Poor Cost Utility of Adult Patients with Hip Pain. *Clinical Orthopedics and Related Research*. 2013 Dec 21 epub ahead of print.
- 14.) Peter N. Chalmers, William Slikker, **Nathan A Mall**, Anil K Gupta, Zain Rahman, Daniel Enriquez, Gregory P Nicholson. Reverse total shoulder for acute proximal

- humeral fracture: Comparison to open reduction internal fixation and hemiarthroplasty. *Journal of Shoulder and Elbow Surgery* 2013 Sep 27 epub ahead of print.
- 15.) Geoff D. Abrahms, **Nathan A. Mall**, Lisa A. Fortier, Brandon L. Roller, Brian J. Cole. Biocartilage: Background and Surgical Technique. *Operative Technique in Sports Medicine*. 2013. 21: 116-124
 - 16.) Benjamin L Gray, Jakob M Buchowski, David B Bumpass, RA Lehman Jr, **Nathan A. Mall**, Matthew J Matava. Disc herniations in the National Football League. *Spine*. 2013 Oct 15; 38(38): 1934-1938.
 - 17.) Adam Yanke, **Nathan A Mall**, Seth Sherman, Bernard R Bach, Jr. Five points for Anatomic Transtibial ACL Reconstruction. *Amer J of Orthop*. 2013. 42 (7): 305-308.
 - 18.) **Nathan A. Mall**, Robert H. Brophy, Charles A. Goldfarb. Cartilage Defect of the Lunate Facet after Fracture Treated with Osteochondral Autograft from the Knee. *Amer J of Orthopaedics*. 2013. 42(7): 331-334.
 - 19.) **Nathan A. Mall**, Emily Foley, Peter S. Chalmers, Brian J. Cole, Anthony A Romeo, Bernard R. Bach, Jr. Degenerative joint disease of the acromioclavicular joint: a review. *Amer J Sports Med*. 2013 May epub ahead of print
 - 20.) **Nathan A. Mall**, James Hammond, Brett Lenart, Danny J Enriquez, Stacey L Twigg, Gregory P Nicholson. Suprascapular Nerve Entrapment isolated to the Spinoglenoid Notch: Surgical technique and results of open decompression. *Journal of Shoulder and Elbow Surgery*. 2013 May epub ahead of print.
 - 21.) Peter N. Chalmers, **Nathan A. Mall**, Brian J. Cole, Nikhil N. Verma, and Bernard R. Bach, Jr. Anteromedial versus transtibial tunnel drilling in anterior cruciate ligament reconstructions: A systematic review. *Arthroscopy*, epub ahead of print. April 2013.
 - 22.) **Nathan A. Mall**, George A. Paletta. Pediatric ACL Reconstruction. *Current Reviews in Musculoskeletal Medicine*. 2013, April 12, epub ahead of print
 - 23.) Jaskarndip Chahal, Allan E Gross, Christopher Gross, **Nathan A. Mall**, Tim Dwyer, Daniel Whelan, Brian J Cole. Outcomes of Osteochondral Allograft Transplantation in the Knee: A Systematic Review. *Arthroscopy* 2013. Mar 29 (3) 575-588.
 - 24.) Emery Lin, **Nathan A Mall**, Ahman Dawan, Seth Sherman, KC McGill, Matthew T Provecher, Gregory P. Nicholson, Brian J. Cole, DJ Solomon, Nikhil N. Verma, Anthony A. Romeo. Arthroscopic Rotator Cuff Repair in Patients less than 45. *Arthroscopy*. 2013 March 16 epub ahead of print.
 - 25.) **Nathan A. Mall**, Andrew S. Lee, Brian J. Cole, Nikhil N. Verma. ACL Surgical and Functional Anatomy. *Operative techniques in Sports Medicine* 2013. Mar 21(1), 55-63.
 - 26.) Peter N. Chalmers, **Nathan A. Mall**, Bernard R. Bach. Contemporary Techniques in ACL Reconstruction. *Operative Techniques in Sports Medicine*. 2013 Mar 21 (1) 2-9.
 - 27.) Joshua Harris, Anil Gupta, **Nathan A. Mall**, Brian J. Cole, Anthony Romeo, Bernard Bach, Nikhil N. Verma. Long term Outcomes after Bankart Shoulder Stabilization. *Arthroscopy*. Epub ahead of print. Feb 5, 2013
 - 28.) **Nathan A. Mall**, Andrew S. Lee, Jaskarndip Chahal, Nikhil N Verma, Brian J. Cole. Trans-osseous Equivalent Rotator Cuff Repair: A Systematic Review of the Importance of Tying the Medial Row. *Arthroscopy*. 2013 Feb; 29(2): 377-86
 - 29.) **Nathan A. Mall**, Andrew Lee, Jaskarndip Chahal, Nikhil N Verma, Brian J Cole. An Evidence-based Examination of the Epidemiology and Outcomes of Traumatic Rotator Cuff Tears: A systematic review. *Arthroscopy*. 2013 Feb; 29(2): 366-76.

- 30.) **Nathan A. Mall**, Geoffrey S. Van Thiel, Wendell M. Heard, George A. Paletta, Charles Bush-Joseph, and Bernard R. Bach, Jr. Paget Schroetter Syndrome: A review of Effort Thrombosis of the Upper Extremity from a Sports Medicine Perspective. *Sports Health*. Epub ahead of print. January 3, 2013.
- 31.) Neil Ghodadra, **Nathan A. Mall**, Bernard R Bach, Jr. Articular and Meniscal Pathology Associated with Primary ACL Reconstruction. *J Knee Surgery* 2012 Nov 6.
- 32.) Gregory L Cvetanovich, **Nathan A. Mall**, Geoffrey S. Vanthiel, Jaskarndip Chahal, Bernard R. Bach, Jr. Screw Fixation of an OCD Loose Body: 21-Year Results. *J Knee Surg* 2012, May 15 epub ahead of print.
- 33.) Jas Chahal, Geoffrey S Van Thiel, **Nathan A. Mall**, Wendell M Heard, Bernard R Bach, Brian J Cole, Gregory P Nicholson, Nikhil N Verma, DB Whelan, Anthony A Romeo. The role of platelet rich plasma in arthroscopic rotator cuff repair – A systematic review and meta-analysis. *Arthroscopy* 2012, Jun 11 epub ahead of print.
- 34.) **Nathan A. Mall**, Jacob Buchowski, Lukas Zebala, Matthew Matava. Spine and Axial Skeleton Injuries in the National Football League. *Amer J Sports Med*. 2012. May 30 Epub ahead of print.
- 35.) Geoffrey S. VanThiel, Jaskarndip Chahal, **Nathan A. Mall**, Wendell Heard, Mark Jordan, Shane Nho. Hip and Pelvic Injections. *Operative techniques in Sports Medicine*. 2012. 20 (2); 142-153.
- 36.) Brett Lenart, **Nathan A. Mall**, Seth Sherman, Gregory P. Nicholson. Arthroscopic Repair for posterior instability. *Arthroscopy* 2012, epub ahead of print.
- 37.) **Nathan A. Mall**, Jas Chahal, Wendell Heard, Bernard R. Bach Jr, Charles Bush-Joseph, Anthony Romeo, Nikhil N. Verma. Isolated Subscapularis Tendon Repairs: A Systematic Review and Meta-analysis. *Arthroscopy* 2012 May 17 (epub ahead of print)
- 38.) Gregory L Cvetanovich, **Nathan A. Mall**, Geoffrey S Van Thiel, Jaskarndip Chahal, Bernard R. Bach, Jr. Screw Fixation of an OCD Loose Body: 21-year Results. *Journal of Knee Surgery*. 2012 May15 epub ahead of print.
- 39.) Neil Ghodadra, **Nathan A. Mall**, Robert Grumet, Seth L Sherman, Spencer Kirk, Matthew T Provencher, and Bernard R Bach, Jr. Interval Arthrometric Comparison of ACL Reconstruction using Bone Patellar Tendon Bone Autograft Versus Allograft: Do Grafts Attenuate within the First Year. *Amer J Sports Med*. Epub ahead of print 2012 Mar 26
- 40.) Rick W. Wright, Corey S. Gill, Ling Chen, Robert H. Brophy, Matthew J. Matava, Matthew V. Smith, **Nathan A. Mall**. Revision Anterior Cruciate Ligament Reconstruction Outcomes: a Systematic Review. *JBJS-Am*. 2012 Mar 21: 94(6) 531-536.
- 41.) **Nathan A. Mall**, Brian J. Cole. Non-arthroplasty Surgical Treatment of Knee Osteoarthritis in the Young, Active Patient. *Chronic Osteoarthritis (OA) Management*. 2012 Volume 1 (3) April.
- 42.) **Nathan A. Mall**, Andrew S. Lee, Brian J. Cole. Non-arthroplasty Surgical Treatment of Shoulder Osteoarthritis in the Young, Active Patient. *Chronic Osteoarthritis (OA) Management*. Available online at www.healio.com/orthopedics/education-lab.
- 43.) **Nathan A. Mall**, Perry L. Schoenecker, and Charles A. Goldfarb. Bilateral Peroneal Nerve Palsy after Hip Osteotomy in a Patient with Multiple Hereditary Exostosis: A case report and review of the literature. *Journal of Bone and Joint Surgery Case Connector*. 2012. 2(1) March 28

- 44.) **Nathan A. Mall**, Matthew J. Matava, Rick W. Wright, Robert H. Brophy. Relation Between Anterior Cruciate Ligament Graft Obliquity and Knee Laxity in Elite Athletes at the National Football League Combine. *Arthroscopy* 2012. Mar 13 epub ahead of print.
- 45.) Jas Chahal, **Nathan A. Mall**, PB McDonald, Geoffrey VanThiel, Brian J. Cole, Anthony A. Romeo, Nikhil N. Verma. The Role of Subacromial Decompression in Patients Undergoing Arthroscopic Repair of Full-Thickness Tears of the Rotator Cuff: A Systematic Review and Meta-Analysis. *Arthroscopy* 2012. May 28(5): 720-7
- 46.) **Nathan A. Mall**, H. Mike Kim, Jay D. Keener, Sharlene Teefey, William D. Middleton, Ken Yamaguchi. Symptomatic Progression of Asymptomatic Rotator Cuff Tears: A Prospective Study of Clinical and Sonographic Variables. *Journal of Bone and Joint Surgery Am* 2010. Nov; 92 (16): 2623-2633
- 47.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, William J. Maloney, Robert L. Barrack, John C. Clohisy. The Incidence of Acetabular Osteolysis in Young Patients with Conventional versus Highly Crosslinked Polyethylene. *Clinical Orthopaedics and Related Research (CORR)*. 2011, Feb 469 (2) 372-381
- 48.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, Kirk E. Smith, William J. Maloney, John C. Clohisy, Robert L. Barrack. The Fate of Grafting Acetabular Defects During Revision Total Hip Arthroplasty. *Clinical Orthopaedics and Related Research (CORR)* 2010 Dec 468(12) 3286-3294.
- 49.) **Nathan A. Mall**, Rick W. Wright. Femoral Nerve Block Use in Anterior Cruciate Ligament Reconstruction Surgery. Systematic review. *Arthroscopy*. 2010 Mar;26(3):404-416
- 50.) **Nathan A. Mall**, Corey S. Gill, Rick W. Wright. Revision Anterior Cruciate Ligament Reconstruction: Using Preoperative Assessment for Successful Surgery. *Minerva Ortop Traumatol* 2009; 60: 331-40
- 51.) Robin M Queen, **Nathan A. Mall**, James A. Nunley, Bavornrit Chuckpaiwong. Differences in Plantar Loading between Flat and Normal Feet During Different Athletic Tasks. *Gait and Posture* 29, 582-586, 2009
- 52.) **Nathan A. Mall**, John C. Carlisle, Matthew J Matava, Charles A Goldfarb. Upper Extremity Injuries in the National Football League. Part I: Hand and Digital Injuries. *American Journal of Sports Medicine*. 2008 Oct; 36(10):1938-44
- 53.) John C. Carlisle, Charles A. Goldfarb, **Nathan A. Mall**, Matthew J. Matava. Upper Extremity Injuries in the National Football League. Part II: Elbow, Forearm, and Wrist Injuries. *American Journal of Sports Medicine*. 2008 Oct; 36(10):1945-52
- 54.) Bavornrit Chuckpaiwong, James A. Nunley, **Nathan A. Mall**, Robin M. Queen. The Effect of Foot Type on In-shoe Plantar Pressure During Walking and Running. *Gait and Posture*. 42 (3): 405-411, 2008
- 55.) Robin M. Queen, **Nathan A Mall**, W. Mack Hardaker, James A Nunley II. Describing the Medial Longitudinal Arch Using Footprint Indices. *Foot and Ankle International*, 28 (4): 456-462, 2008
- 56.) **Nathan A. Mall**, W. Mack Hardaker, James A. Nunley II, Robin M. Queen. The Reliability and Reproducibility of Foot Type Measurements using a Mirrored Foot Photo Box and Digital Photography Compared to Caliper Measurements. *Journal of Biomechanics*, 40 (5), 1171-1176, 2007

- 1.) Geoffrey S Van Thiel, **Nathan A Mall**, Jas Chahal, Wendell M Heard, Bernard R Bach, Jr. Bracing after Knee Surgery. Submitted to Sports Health
- 2.) **Nathan A. Mall**, Brett Lenart, Gregory P Nicholson. Outcomes following SLAP repair using a single portal technique.
- 3.) **Nathan A. Mall**, Rachel M. Frank, Brian J. Cole, Bernard R. Bach. ACL Reconstruction in patients over the age of 40: A systematic review. Submitted to Sports Health
- 4.) Muyibat Adelani, **Nathan A. Mall**, Robert Brophy, Mark Halstead, Matthew Smith, Rick Wright. Overutilization of Magnetic Resonance Imaging in the Evaluation of Knee Pain in Patients 40 Years and Older. Submitted to JBJS.

Books & Book Chapters

- 1.) **Nathan A. Mall** and George A. Paletta, Jr. Complete Transphyseal ACL Reconstruction in the Skeletally Immature. Knee Surgery for the Pediatric and Adolescent Athlete.
- 2.) James Hammond, **Nathan A. Mall**, Brian J. Cole. Elbow Injuries and the Throwing Athlete. Orthopaedic Knowledge Update: Shoulder and Elbow 4.
- 3.) **Nathan A. Mall**, Asheesh Bedi, Brian J. Cole. Graft Selection in ACL Reconstruction. AAOS ACL Reconstruction Monograph
- 4.) **Nathan A. Mall**, Brian J. Cole. Cartilage Injury in the Athlete. In Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. B Reider, G Davies, and MT Provencher, eds.
- 5.) **Nathan A. Mall**, GS Van Thiel, NN Verma, BR Bach, Jr. Fixation in Revision ACL Reconstruction.” In ACL Revision Reconstruction: A Practical Guide to Surgical Techniques. RG Marx, ed.
- 6.) James Hammond, Geoffrey S. Van Thiel, **Nathan A. Mall**, Anthony Romeo. Scapulothoracic Fusion.
- 7.) Wendell Heard, **Nathan A. Mall**, Amy Ressler, Nikhil N. Verma. . “Beyond Basic Rehabilitation: Return to Hockey after AC Joint Injury or Surgery.” In Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. B Reider, G Davies, and MT Provencher, eds.
- 8.) **Nathan A. Mall**, Amy Resler, Wendell Heard, Nikhil N. Verma. . “Post-surgical Rehabilitation after AC Joint Reconstruction for AC Separations.” In Orthopaedic Rehabilitation of the Athlete: Getting Back in the Game. B Reider, G Davies, and MT Provencher, eds.
- 9.) Geoffrey S. Van Thiel, **Nathan A. Mall**, Brian J. Cole. Cartilage Replacement.
- 10.) **Nathan A. Mall**, ed. Extracurriculars, In: Vault Insider Guide to Medical School Admissions: Premier Edition. Kansagra, Sujay, ed. Vault Inc, New York, NY, 2006; pp 43-58.

Non-Peer Reviewed Manuscripts

- 1.) Peter N. Chalmers, William Slikker, **Nathan A. Mall**, Anil K. Gupta, Z Rahman, Daniel Enriquez, Gregory P. Nicholson. Authors reply: Reverse total shoulder for acute proximal humerus fracture: comparison to open reduction-internal fixation and hemiarthroplasty. J shoulder Elbow Surg 2014 Sep; 23(9): e222.

- 2.) Jeffrey D Harris, Anil K Gupta, **Nathan A Mall**, Geoffrey D Abrams, Frank M McCormick, Brian J Cole, Bernard R Bach Jr, Anthony A Romeo, Nikhil N Verma. Author's Reply. *Arthroscopy* 2013 Oct; 29(10) 1602-1603.
- 3.) Jaskarndip Chahal, **Nathan A. Mall**, Geoffrey Van Thiel, Brian J Cole, Anthony A Romeo, Nikhil N Verma, Peter B Macdonald. Author's Reply. *Arthroscopy*. 2012 Aug; 28(8): 1048-9.
- 4.) Rick W. Wright and **Nathan A. Mall**. Authors Reply. *Arthroscopy*. 2010 Nov; 26(11): Page 1417

Academic Abstracts/Presentations

- 1.) Brandon Erickson, Rachel M. Frank, **Nathan A. Mall**, Joshua D. Harris, Anthony A. Romeo. 135 vs 155 degree Humeral Head Inclination in Reverse Total Shoulder Arthroplasty: A Systematic Review. 2015. ISAKOS.
- 2.) **Nathan A. Mall**, Peter N. Chalmers, Mario Moric, Miho J. Tanaka, Brian J. Cole, Bernard R. Bach, Jr, George A. Paletta, Jr. Incidence and Trends of ACL Reconstruction in the United States. Accepted to Mid America Orthopedic Association Meeting. San Antonio, TX. April 24, 2014.
- 3.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 55th SOMOS Annual Meeting. Vail, CO. Dec 12, 2013. Podium Presentation.
- 4.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 16th Annual OREF/ORS Resident Research Symposium. Indianapolis, IN. April 5, 2013. Podium Presentation.
- 5.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 2013 AOSSM Specialty Day. Chicago, IL. March 23, 2013. Podium Presentation.
- 6.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. Congress of Arthroscopy and Sports Medicine, Jaipur, India. November 8-11, 2013. Podium Presentation.
- 7.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 2014 AANA Annual Meeting. Hollywood, FL. May 1-4, 2014. Poster Presentation.
- 8.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair:

- Influence of Portal Placement and Curved Drill Guide. 60th Orthopaedic Research Society Annual Meeting. New Orleans, LA. March 15-18, 2014. Poster Presentation.
- 9.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 9th Biennial International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS) Congress, Toronto, CA. May 12-16, 2013. Poster Presentation.
 - 10.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. 2013 AANA Annual Meeting. San Antonio, TX. April 25-27, 2013. Poster Presentation.
 - 11.) Rachel M. Frank, **Nathan A. Mall**, Deepti Gupta, Elizabeth Shewman, Vincent M Wang, Anthony A. Romeo, Brian J. Cole, Bernard R. Bach, Matthew T. Provencher, Nikhil N. Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. Orthopedics Today Hawaii 2013, Kona, Hawaii, January 13-16, 2013. Poster Presentation.
 - 12.) **Nathan A Mall**, Deepti Gupta, Rachel Frank, Andrew S Lee, Elizabeth Shewman, Vincent M Wang, Anthony A Romeo, Brian J Cole, Nikhil N Verma. Inferior Suture Anchor Placement During Arthroscopic Bankart Repair: Influence of Portal Placement and Curved Drill Guide. Podium Presentation; Specialty Day, March 24, 2013 Chicago, IL.
 - 13.) Peter S. Chalmers, **Nathan A Mall**, Bernard R Bach, Jr. Long term follow-up after ACL Reconstruction: A Systematic Review of Outcomes with greater than 10 year follow-up. Podium Presentation: AAOS, March 19-23, 2013. Chicago, IL.
 - 14.) James Keeney, **Nathan A Mall**, Muyibat Adelani, Ryan M Nunley. MRI Utilization of Hip MRI in Patients with Hip Pain Age 40-80. Podium Presentation: AAOS, March 19-23, 2013. Chicago, IL.
 - 15.) James Keeney, **Nathan A Mall**, Muyibat Adelani, Ryan M Nunley. MRI Utilization and Cost Effectiveness in Patients with Knee Pain Age 40-80. Podium Presentation: AAOS, March 19-23, 2013. Chicago, IL.
 - 16.) Muyibat Adelani, **Nathan A Mall**, Matthew V Smith, Robert H Brophy, Rick W Wright. Clinical Utility of Magnetic Resonance Imaging for the Evaluation of Knee Pain in Patients 40 Years and Older. Poster Presentation: AAOS, March 19-23rd, 2013. Chicago, IL.
 - 17.) **Nathan A. Mall**, Deepti Gupta, Rachel Frank, Andrew Lee, Nikhil N. Verma. Effects of portal placement, anchor location and drilling technique on glenoid suture anchor pull-out. Rush University Medical Center/Midwest Orthopaedics at Rush Thesis Day.
 - 18.) Benjamin Gray, Jacob Buchowski, **Nathan A. Mall**, Matthew Matava. Spinal Injuries in Professional American Football Players. North American Spine Society (NASS) Annual Meeting. Podium presentation Dallas, TX. October 25, 2012.
 - 19.) **Nathan A. Mall**, Muyibat Adelani, John C. Clohisy, Robert L. Barrack, Ryan M. Nunley. Total Hip Revision with Retained Acetabular Component and Head and Liner

Exchange. American Association of Orthopaedic Surgery (AAOS) National Meeting, San Francisco, CA. February 2012

- 20.) **Nathan A. Mall**, Muyibat Adelani, John C. Clohisy, Robert L. Barrack, Ryan M. Nunley. Total Hip Revision with Retained Acetabular Component and Head and Liner Exchange. Southern Orthopaedic Association, Big Island, Hawaii July 23rd, 2011. Harley and Betty Baxter SOA Resident Award
- 21.) **Nathan A. Mall**, Muyibat A. Adelani, John C. Clohisy, Robert L. Barrack, Ryan M. Nunley. Total Hip Revision with Retained Acetabular Component and Head and Liner Exchange. OREF/ORS Heartland resident Research Symposium. St. Louis, MO; March 18th, 2011.
- 22.) **Nathan A. Mall**, Muyibat A. Adelani, John C. Clohisy, Robert L. Barrack, Ryan M. Nunley. Total Hip Revision with Retained Acetabular Component and Head and Liner Exchange. Washington University School of Medicine, Department of Orthopaedics Graduation Thesis Day. St. Louis, MO; June 2011.
- 23.) **Nathan A. Mall**, Robert H. Brophy. ACL Graft Obliquity in NFL Athletes at the National Invitational Camp. Mid-America Orthopaedic Association Annual Meeting. Austin, TX April 21-25th, 2010.
- 24.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, Robert L. Barrack. The Fate of Bone Graft in Total Hip Arthroplasty Revisions. Mid-America Orthopaedic Association Annual Meeting. Austin, TX April 21-25th, 2010.
- 25.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, Robert L. Barrack. Results of Isolated Head and Liner Exchange in Revision Total Hip Arthroplasty. Mid-America Orthopaedic Association Annual Meeting. Austin, TX April 21-25th, 2010.
- 26.) **Nathan A. Mall** and Rick W. Wright. Use of Femoral Nerve Blocks in ACL Reconstruction: A Systematic Review. Mid-Central States Orthopaedic Society. Lake of the Ozarks, MO. June 2009
- 27.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, William J. Maloney, Robert L. Barrack, John C. Clohisy. The True Incidence of Osteolysis in Conventional versus Highly Crosslinked Polyethylene. Mid-America Orthopaedic Association Annual Meeting. Amelia Island, FL. April 24, 2009.
- 28.) **Nathan A. Mall**, H. Mike Kim, Jay D. Keener, Sharlene Teefey, William D. Middleton, Ken Yamaguchi. Symptomatic Transition of Asymptomatic Rotator Cuff Tears: Changes in Tear Size, Pain, and Function. American Academy of Orthopaedic Surgeons National Meeting, Las Vegas, NV. February 26, 2009. Paper #380
- 29.) **Nathan A. Mall**, Ryan M. Nunley, Jin Jun Zhu, William J. Maloney, Robert L. Barrack, John C. Clohisy. The True Incidence of Osteolysis in Conventional versus Highly Crosslinked Polyethylene. American Academy of Orthopaedic Surgery National meeting. Las Vegas, NV. February 27, 2009. Paper #619
- 30.) **Nathan A. Mall**, John C. Carlisle, Matthew J Matava, Charles A Goldfarb. Upper Extremity Injuries in the National Football League. Part I: Hand and Digital Injuries. NFL Combine, 2008.
- 31.) Bavornrit Chuckpaiwong, James A. Nunley, **Nathan A. Mall**, Robin M. Queen. The Effect of Foot Type on Plantar Pressure in Four Sport Specific Tasks. Swiss National Meeting, 2007.

- 32.) Robin M. Queen, Bavornrit Chuckpaiwong, **Nathan A. Mall**, James A. Nunley. The Effect of Foot Type on Plantar Pressure in Four Sport Specific Tasks. American Orthopaedic Foot & Ankle Society Annual Meeting, Toronto, ON, 2007.
- 33.) Bavornrit Chuckpaiwong, James A. Nunley, **Nathan A. Mall**, Robin M. Queen. The Effect of Foot Type on In-shoe Plantar Pressure During Walking and Running. Podium Presentation at the American College of Sports Medicine Annual Meeting, New Orleans, LA, May 2007
- 34.) **Nathan A. Mall**; Richard R. Glisson; James A. Nunley. Patterns and risk factors of screw failure in intramedullary screw fixation of fifth metatarsal Jones fractures. Southern Orthopaedic Association. July 20-23, 2006; Nassau, Bahamas. Podium Presentation. Baxter Resident Research Award Paper.
- 35.) **Nathan A. Mall**; Robin M. Queen; Claude T. Moorman; James A. Nunley. The reliability of measuring the medial longitudinal arch: The need for a standardized method. American Orthopaedic Foot and Ankle Society, Summer Meeting. July 12-15, 2006; Torrey Pines, CA. Poster Presentation.
- 36.) **Nathan A. Mall**; Claude T. Moorman; James A. Nunley; Robin M. Queen. The differences in clinical assessment of arch height within and across health care provider specialties. American Orthopaedic Foot and Ankle Society, Summer Meeting. July 12-15, 2006; Torrey Pines, CA. Poster Presentation.
- 37.) **Nathan A. Mall**; W. Mack Hardaker; Robin M. Queen; James A. Nunley. Gender differences and dominant/non-dominant asymmetry in measurements of the foot and medial longitudinal arch. American Orthopaedic Foot and Ankle Society, Summer Meeting. July 12-15, 2006; Torrey Pines, CA. Poster Presentation.
- 38.) **Nathan A. Mall**, Robin M. Queen, Richard R. Glisson, James A. Nunley, II. A Biomechanical Study of Failure Using Intramedullary Screw Fixation of Jones Fractures. American Orthopaedic Foot & Ankle Society, La Jolla, CA.
- 39.) **Nathan A. Mall**; Richard R. Glisson; Robin M. Queen; James A. Nunley. The compression of fully-threaded tapered screws versus partially-threaded lag screws in fifth metatarsal fixation. American Academy of Orthopaedic Surgery. March 22-26, 2006; Chicago, IL. Poster Presentation
- 40.) David J Berkoff, **Nathan A. Mall**, Charles B Cairns CB, Claude T. Moorman. Power versus Endurance: Is there a difference in HRV in elite track and field athletes. National ACEP Meeting Washington DC, Sept 2005.
- 41.) **Nathan A. Mall**; W. Mack Hardaker; James A. Nunley; Robin M. Queen. The reliability and reproducibility of foot measurements using a mirrored foot photo box compared to caliper measurements. American Society of Biomechanics/International Society of Biomechanics. August 1-5, 2005; Cleveland, OH. Poster Presentation
- 42.) **Nathan A. Mall**; Richard R. Glisson; Robin M. Queen; James A. Nunley. The compression of fully-threaded tapered screws versus partially-threaded lag screws in fifth metatarsal fixation. Research Symposium, Duke University Medical Center. June 15, 2005; Durham, NC. Podium Presentation
- 43.) David J Berkoff; **Nathan A. Mall**; Claude T. Moorman; Charles B. Cairns. Easily accessible and accurate method to assess heart rate variability in humans. Society for Academic Emergency Medicine. May 22-25, 2005; New York, NY. Poster Presentation
- 44.) David J Berkoff; **Nathan A. Mall**; Leon D. Sanchez; Leo Masakov; Claude T. Moorman; Charles B. Cairns. High parasympathetic tone and heart rate variability in elite

athletes. American Medical Society for Sports Medicine. April 16-20, 2005; Austin, TX.
Podium Presentation

- 45.) David J Berkoff, **Nathan A. Mall**, Claude T Moorman, Charles B Cairns. High Parasympathetic Tone in Elite Level Athletes: Society for Academic Emergency Medicine, Southeast regional meeting; Chapel Hill, NC, April 2005.
- 46.) **Nathan A. Mall**; Tammy Strawn; Pamela Thorne, BS; Gheorghe M. Constantinescu, PhD; M. Harold Laughlin, PhD. Interval sprint training (IST) increases arteriolar number in the white portion of rat gastrocnemius muscle. FASEB J. 16:A514, 2002.

Other Presentations

- 1) Evidence Based Occupational Medicine. Mercy Power Breakfast. St. Louis, MO. November 2014.
- 2) What's New in Sports Medicine: Lecture and live cadaveric demonstration. August 2014, St. Louis, MO.
- 3) The Throwing Athlete: Examination and Evaluation. Presentation for ProRehab Physical Therapy and Athletic Trainers. February 2014. St. Louis, MO.
- 4) What's New in Sports Medicine: Lecture and live cadaveric demonstration. December 2013. St. Louis, MO
- 5) Sports Medicine Update. Community Presentation in conjunction with St. Louis Physical Therapy, Fenton, MO. September 2013.
- 6) Cartilage Restoration: Indications and Procedures. Mid-America Rehabilitation. Cape Girardeau, MO. May 21, 2013.
- 7) Cartilage Restoration: Past, Present and Future. St. Anthony's Medical Center Guest Lecture. St. Louis, MO. April 2013.
- 8) Shoulder Examination, Differential Diagnosis, and Diagnostic Imaging. St Anthony's Urgent Care. St. Louis, MO. February 2013.
- 9) Elbow Arthroscopy and Ulnar Collateral Ligament Reconstruction Cadaveric Laboratory and Dissection. Arthrex Laboratory, St. Louis, MO. November 2012.
- 10) Cartilage Restoration and Repair. Current and Future Techniques and Indications. ProRehab Quarterly Meeting. St. Louis, MO. November 2012.
- 11) Cartilage Restoration Techniques, Outcomes, and Indications. Apex Physical Therapy. Highland, IL. October 2012
- 12) Anatomic ACL Reconstruction and Cadaveric Demonstration. Arthrex Laboratory, St. Louis, MO. September 2012.
- 13) Cartilage Restoration: Past, Present and Future. St. Louis Physical Therapy. Chesterfield, MO. September 2012
- 14) Focal Cartilage Defects: Treatment Options. ProRehab Physical Therapy. St. Louis, MO. August 2012.

Community Service

Medical Missions

Dominican Republic

Honduras

Belize

Other Community Service
Habitat for Humanity
Big Brothers/Big Sisters