

Curriculum Vitae

Michael John Kissenberth, MD

PERSONAL DATA

NAME: Michael John Kissenberth

OFFICE ADDRESS: Steadman Hawkins Clinic of the Carolinas
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EDUCATION

Medical University of South Carolina August 1989 – May 1993
Charleston, South Carolina
Doctor of Medicine

The Citadel August 1984 – May 1988
Charleston, South Carolina
B.S. Biology

POST-GRADUATE TRAINING

Tripler Army Medical Center Orthopaedic June 1996 – July 2000
Surgical Residency

Tripler Army Medical Center June 1993 – July 1994
Internship (Transitional/Surgical)

SPORTS FELLOWSHIP

The Hughston Clinic February 2005 – June 2005
Steadman Hawkins Clinic of the Carolinas September 2004 – January 2005

PROFESSIONAL EXPERIENCE

Co-Director for Orthopaedics of South Carolina Center for Translational Research Improving Musculoskeletal Health (SC-TRIMH). \$11 million NIH grant with Clemson University to fund a new research center that will bring together scientists from across South Carolina to change the way musculoskeletal disorders are diagnosed, treated and studied. 2018 to present.

Interim Chair, GHS Orthopaedic Department, 2017-2018.

Clinical Professor of Orthopaedic Surgery, University of South Carolina School of Medicine, 2019 – present.

GHS Clinical Associate Professor of Orthopaedic Surgery, University of South Carolina School of Medicine, 2005 – 2019.

Clemson University School of Health Research (CUSHR) Clinical Associate Professor, 2016 – present.

Vice Chair of Clinical Services, GHS Orthopaedic Department, 2013 – 2018.

Vice Chair of Business Development, GHS Musculoskeletal Institute, 2008 – 2013.

Program Director of the Steadman Hawkins Clinic of the Carolinas Shoulder Reconstruction and Sports Medicine Fellowship, 2017 – present.

Managing Partner, Steadman Hawkins Clinic of the Carolinas, 2005 – present.

Faculty, Sports Medicine Fellowship Program, Steadman Hawkins Clinic of the Carolinas, 2005 – present.

Chairman, GHS Orthopaedic Product Committee, 2012 – 2017.

Member of GHS Patewood Memorial Hospital Medical Care Committee, ICD10 Physician Representative Committee, Physician Compensation Committee, UMG Board Task Force on Outpatient Formulary, 2012 – 2018.

AOSSM Council of Delegates for South Carolina.

Associate Member with American Shoulder and Elbow Surgeons Society, 2014 – present.

Team Physician for Greenville Drive Baseball Team, North Greenville University.

Program Chair, 2014 Hawkins Society.

CLINICAL EXPERIENCE

Chief, Department of Surgery
 Chief, Orthopaedic Surgery Service
 Winn Army Community Hospital
 Fort Stewart, Georgia
 July 2003 – September 2004
 June 2001 – September 2004

Staff, Orthopaedic Surgery Service
 Winn Army Community Hospital
 Fort Stewart, Georgia
 August 2000 – June 2001

General Medical Officer
 McDonald Army Community Hospital
 Fort Eustis, Virginia
 June 1994 – June 1996

MILITARY TRAINING

AMEDD Officer Basic Course
 June 1990 – July 1990

Combat Casualty Care Course
 February 1994

RESEARCH EXPERIENCE***Current Experience***

Two-arm, single blind, randomized post-market study on the use of Healicoil Regenesorb suture anchor in the repair of tears of the rotator cuff. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

The Effect of Residual Rotator Cuff Tendon Length on Healing and Clinical Results After Arthroscopic Repair. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

A Prospective Randomized Study Comparing Exparel to Interscalene Block for Post-operative Pain Treatment in Total and Reverse Shoulder Replacement Surgical Patients. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Prospective Case-Control Study of Patients Who Received a Biceps Tenotomy or Biceps Tenodesis in the Setting of Rotator Cuff Tears. ATI Physical Therapy, Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Retrospective Review of Treatment Outcomes in Patients with Long Head of the Biceps Tendon Pathology with and without Rotator Cuff Tears. ATI Physical Therapy, Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

A Prospective, Single Blinded, Multi-center, Randomized, Controlled, Pivotal Study to Assess the Safety and Effectiveness of the InSpace Device for Treatment of Full Thickness Massive Rotator Cuff Tears. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Micromotion Analysis of Five Different Reverse Anatomy Glenoid Components. Steadman Hawkins Clinic of the Carolinas, Greenville Health System, Clemson University.

Factors Predicting Recovery and Outcome of Surgical Repair and Rehabilitation of the Total Shoulder Arthroplasty. Proaxis Therapy, Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Suprascapular Nerve Impingement in Massive Rotator Cuff Tears. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Ultrasound of Hamstring Autograft Site Prior to ACL Reconstruction. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

TXA Study: Management of Bleeding Using Topical TXA During Reverse Shoulder Arthroplasty and Total Hip Replacements. Steadman Hawkins Clinic of the Carolinas, Greenville Health System.

Glenoid Inlay vs Onlay: A Biomechanical Analysis. Steadman Hawkins Clinic of the Carolinas, Greenville Health System, Clemson University.

Overhead Thrower's Research: A Cadaveric Model Combined with Biomechanical Analysis and Injury Tracking in Overhead Athletes from Little League to Professional Throwers. Proaxis Therapy, Steadman Hawkins Clinic of the Carolinas.

BOOK CHAPTERS

Kissenberth MJ, Silliman JF, Hawkins RJ. The Athlete's Shoulder, Second Edition: Clinical Examination of the Shoulder Complex. Published by Churchill, Livingstone, Elsevier. Philadelphia, PA. 2009.

Franklin B, **Kissenberth MJ**. Orthopaedic Care of the Mature Athlete: Elbow Disorders and Upper Arm Injuries. Published by American Academy of Orthopaedic Surgeons. 2011.

Pill SG, Walch G, Hawkins RJ, **Kissenberth MJ**. The role of the biceps in massive rotator cuff tears. Instr Course Lect. 2012;61:113-20.

Pill SG, Phillips J, **Kissenberth MJ**, Hawkins RJ. Decision Making in Massive Cuff Tears. Instr Course Lect. 2012;61:97-111

Hawkins RJ, **Kissenberth MJ**, Backes J. Reverse Total Shoulder Arthroplasty for Rotator Cuff Tear Arthropathy. Publication pending: AAOS Advanced Reconstruction.

Tokish JM, **Kissenberth MJ**, Bentley JC. Management of the Throwing Shoulder with a SLAP Tear. Publication pending. Chapter in Disorders of Rotator Cuff, Tendon and Biceps. Editors: Provencher et al. Expected publication June 2019.

Hawkins RJ, Backes JR, Bentley JC, **Kissenberth MJ**. Reverse Total Shoulder Arthroplasty for Rotator Cuff Tear Arthropathy. In: Abrams JS, Bell RH, Tokish JM (eds). Advanced Reconstruction: Shoulder 2. 2nd ed. Rosemont, IL: AAOS:2016:447-464.

SCHOLARSHIP

Referred Journal Publications

Denard PJ., Werner BC, Gobezie R, Tokish JM, **Kissenberth MJ**, Lederman E. Lower Rates of Radiolucency with a Hybrid All-polyethylene Pegged Glenoid Component Compared to a Completely Cemented Pegged Glenoid Component. Seminars in Arthroplasty, JSES 30 (2020) 56-62. doi.org/10.1053/j.sart.2020.05.002

Tokish JM, Thigpen CA, Kissenberth MJ, Tolan SJ, Lonergan KT, Tokish JM Jr, Dickens JF, Hawkins RJ, Shanley E. The Nonoperative Instability Severity Index Score (NISIS): A Simple Tool to Guide Operative Versus Nonoperative Treatment of the Unstable Shoulder. Sports Health. 2020 Jul 1;:1941738120925738. doi: 10.1177/1941738120925738. [Epub ahead of print] PubMed PMID: 32609577.

Floyd SB, Thigpen C, **Kissenberth M**, Brooks JM. Association of Surgical Treatment With Adverse Events and Mortality Among Medicare Beneficiaries With Proximal Humerus Fracture. JAMA Netw Open. 2020 Jan 3;3(1):e1918663. doi: 10.1001/jamanetworkopen.2019.18663. PubMed PMID: 31922556; PubMed Central PMCID: PMC6991245.

Floyd SB, Campbell J, Chapman CG, Thigpen CA, **Kissenberth MJ**, Brooks JM. Geographic variation in the treatment of proximal humerus fracture: an update on surgery rates and treatment consensus. J Orthop Surg Res. 2019 Jan 21;14(1):22. doi: 10.1186/s13018-018-1052-2. PubMed PMID: 30665430; PubMed Central PMCID: PMC6341604.

Shanley E, Thigpen C, **Kissenberth M**, Gilliland RG, Thorpe J, Nance D, Register-Mihalik JK, Tokish J. Heads up football training decreases concussion rates in high school football players. Clin J Sport Med. 2019 Mar 18;. doi: 10.1097/JSM.0000000000000711. [Epub ahead of print] PubMed PMID: 30908329.

Shanley E, Thigpen C, Brooks J, Hawkins RJ, Momaya A, Kwapisz A, **Kissenberth MJ**, Tokish JM. Return to sport as an outcome measure for shoulder instability: surprising findings in nonoperative management in a high school athlete population. *Am J Sports Med.* 2019 Apr;47(5):1062-1067. doi: 10.1177/0363546519829765. Epub 2019 Mar 13. PubMed PMID: 30865844.

Roberson TA, Shanley E, Abildgaard JT, Granade CM, Adams KJ, Griscom JT, Hunt Q, Nix Q, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. The influence of radiographic markers of biomechanical variables on outcomes in reverse shoulder arthroplasty. *JSES Open Access.* 2019 Mar;3(1):59-64. doi: 10.1016/j.jses.2018.11.003. eCollection 2019 Mar. PubMed PMID: 30984894; PubMed Central PMCID: PMC6444123.

Thigpen CA, Floyd SB, Chapman C, Tokish JM, **Kissenberth MJ**, Hawkins RJ, Brooks JM. Comparison of Surgeon Performance of Rotator Cuff Repair: Risk Adjustment Toward a More Accurate Performance Measure. *JBJS.* 2018 Dec 19;100(24):2110-7.

Thigpen CA, Shanley E, Momaya AM, **Kissenberth MJ**, Tolan SJ, Tokish JM, Hawkins RJ. Validity and Responsiveness of the Single Alpha-numeric Evaluation for Shoulder Patients. *The American Journal of Sports Medicine.* 2018 Dec 1:0363546518807924.

Shanley E, Smith M, Mayer BK, Bailey LB, Thigpen CA, Tokish JM, **Kissenberth MJ**, Noonan TJ. Using Stress Ultrasonography to Understand the Risk of UCL Injury Among Professional Baseball Pitchers Based on Ligament Morphology and Dynamic Abnormalities. *Orthopaedic Journal of Sports Medicine.* 2018 Aug; 6(8):10.1177/2325967118788847

Roberson TA, Shanley E, Griscom JT, Granade CM, Hunt Q, Adams KJ, Momaya AM, Kwapisz A, **Kissenberth MJ**, Lonergan KT, Tolan SJ, Hawkins RJ, Tokish JM. Subscapularis Repair is Unnecessary after Lateralized Reverse Shoulder Arthroplasty. *J Bone Joint Surgery Open Access.* Date of publication July 12, 2018. doi: 10.2106/JBJS.OA.17.00056

Luedke C, **Kissenberth MJ**, Tolan SJ, Hawkins RJ, Tokish JM. Outcomes of Anatomic Total Shoulder Arthroplasty with B2 Glenoids. A Systematic Review. *JBJS reviews.* 2018 April 1;6(4):e7.

Momaya AM, Kwapisz A, Choate WS, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Hawkins RJ, Tokish JM. Clinical Outcomes of suprascapular nerve decompression: a systematic review. *J Shoulder Elbow Surg.* 2018 Jan;27(1)172-180. doi: 10.1016/j.jse.2017.09.025.

Momaya AM, Beicker C, Siffri P, **Kissenberth MJ**, Backes J, Bailey L, Rulewicz GJ, Mercuri J, Shealy EC, Tokish JM, Thigpen CA. Preoperative Ultrasound Predicts Need for Allograft Supplementation in Patients Undergoing ACL Reconstruction. *OJSM Epub* 3 Jan 2018.

Tokish JM, **Kissenberth MJ**, Tolan SJ, Salim TI, Tadlock J, Kellam T, Long CD, Crawford A, Lonergan KT, Hawkins RJ, Shanley E. Resilience Correlates with Outcomes after Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2017 Feb 10.

Roberson TA, Bentley JC, Griscom JT, **Kissenberth MJ**, Tolan SJ, Hawkins RJ, Tokish JM. Outcomes of total shoulder arthroplasty in patients under sixty-five years of age: a systematic review. *Journal of Shoulder and Elbow Surgery*. 2017 Feb 10. DOI: <http://dx.doi.org/10.1016/j.jse.2016.12.069>.

Roberson TA, Granade CM, Adams KJ, Momaya AM, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Hawkins RJ, Tokish JM. Non-operative management versus reverse shoulder arthroplasty for treatment of three and four-part proximal humerus fractures in the elderly. *J Shoulder Elbow Surg*, 2017Jan27. DOI: <http://dx.doi.org/10.1016/j.jse.2016.10.013>.

Noonan TJ, Thigpen CA, Bailey LB, Wyland DJ, **Kissenberth MJ**, Hawkins RJ, Shanley E. Humeral Torsion As a Risk Factor for Shoulder and Elbow Injury in Professional Baseball Pitchers. *American Journal of Sports Medicine*. Published online June 8, 2016. Doi: 10.1177/0363546516648438.

Shanley E, **Kissenberth MJ**, Thigpen CA, Bailey LB, Hawkins RJ, Michener LA, Tokish JM, Rauh MJ. Preseason shoulder range of motion screening as a predictor of injury among youth and adolescent baseball pitchers. *Journal of Shoulder and Elbow Surgery*. Published online: May 5, 2015. DOI: <http://dx.doi.org/10.1016/j.jse.2015.03.012>.

Kissenberth MJ, Rulewicz GJ, Hamilton SC, Bruch HE, Hawkins RJ. A Positive Tangent Sign Predicts the Repairability of Rotator Cuff Tears. *Journal of Shoulder and Elbow Surgery* (Accepted – February 2014). JSES-D-13-00319R1.

Phillips JC, Cook C, Beaty S, **Kissenberth MJ**, Siffri P, Hawkins RJ. Validity of noncontrast magnetic resonance imaging in diagnosing superior labrum anterior-posterior tears. *Journal of Shoulder and Elbow Surgery* 2013 Jan; 22(1): 3-8. Doi: 10.1016/j.jse.2012.03.013. Epub 2012 Aug 29. PMID: 22938789.

Rulewicz GJ, Beaty S, Hawkins RJ, **Kissenberth MJ**. Supraspinatus atrophy as a predictor of rotator cuff tear size: an MRI study utilizing the tangent sign. *J. Shoulder Elbow Surg*. 2013 Jan 23. Doi: pii: S1058-2746(12)00524-1. 10.1016/j.jse.2012.10.048. PMID: 23352548.

Hart ND, Clark JC, Krause W, **Kissenberth MJ**, Bragg WE, Hawkins RJ. Glenoid screw position in the Encore Reverse Shoulder Prosthesis: an anatomic dissection study of screw relationship to surrounding structures. *J Shoulder Elbow Surg*. 2012 Nov 13. Doi: pii: S1058-2746(12)00359-X. 10.1016/j.jse.2012.08.013. PMID: 23158042.

Shanley E, Thigpen CA, Clark JC, Wyland DJ, Hawkins RJ, Noonan TJ, **Kissenberth MJ**. Changes in passive range of motion and development of glenohumeral internal rotation deficit (GIRD) in the professional pitching shoulder between spring training in two consecutive years. *JSES*, Nov 2012, 21(11):1605-1612. Doi: 10.1016/j.jse.2011.11.035. Epub 2012 Jul 24. PMID: 22835630.

Wyland DJ, Pill SG, Shanley E, Clark JC, Hawkins RJ, Noonan TJ, **Kissenberth MJ**, Thigpen CA. Bony Adaptation of the Proximal Humerus and Glenoid Correlate Within the Throwing Shoulder of Professional Baseball Pitchers. *American Journal of Sports Medicine* 2012 Aug; 40(8): 1858-62. Doi: 10.1177/03635465124527020. Epub 2012 Jul 11. PMID: 22785606.

Bries AD, Pill SG, MSPT, Krause W, **Kissenberth MJ**, Hawkins RJ. Accuracy of obtaining optimal base plate declination in reverse shoulder arthroplasty. *J Shoulder Elbow Surg.* 2012 Dec 21 (12): 1770-5. Doi: 10.1016/j.jse. 2012.011. Epub 2012 May 2. PMID: 22554877.

Zavala JA, Clark JC, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. Management of deep infection following reverse total shoulder arthroplasty: a case series. *J Shoulder Elbow Surg.* 2012 October ; 21(10): 1310-1315. DOI: 10.1016/j.jse.2011,08.047. Epub 2011 Nov 21. PMID: 22104127.

Cook C, Beaty S, **Kissenberth MJ**, Siffri P, Pill SG, Hawkins RJ. Diagnostic accuracy of five orthopaedic clinical tests for diagnosis of superior labrum anterior posterior (SLAP) lesions. *J Shoulder Elbow Surg.* 2012 Jan; 21(1): 13-22. Doi: 10.1016/j.jse. 2011.07.012. Epub 2011 Oct 28. Erratum in: *J. Shoulder Elbow Surg.* 2012 May; 21(5): 707. PMID: 22036538.

Pill SG, Walch G, Hawkins RJ, **Kissenberth MJ**. The role of the biceps tendon in massive rotator cuff tears. *Instr Course Lect.* 2012; 61: 113-20. PMID: 22301226.

Pill SG, Phillips J. **Kissenberth MJ**, Hawkins RJ. Decision making in massive rotator cuff tears. *Instr Course Lect.* 2012;61:97-111. PMID: 22301225.

Thigpen CA, Shanley E, Hawkins RJ, Wyland DJ, **Kissenberth MJ**, Noonan TJ, Schlegel TJ. Increased Humeral Retroversion is Associated with Decreased Shoulder Internal and Horizontal Adduction Range of Motion in the Professional Pitchers. *2011 N.A.T.A. 62nd Annual Meeting-Symposium*, New Orleans, LA.. *Journal of Athletic Training* 44(2) S-xx, 2011.

Shank JR, Singleton SB, Braun S, **Kissenberth MJ**, Ramappa A, Ellis H, Decker MJ, Hawkins RJ, Torry MR. A comparison of forearm supination and elbow flexion strength in patients with long head of the biceps tenotomy or tenodesis. *Arthroscopy.* 2011 Jan; 27(1):9-16. Doi: 10.1015/j.arthro.2010.06.022. Epub 2010 Oct 29. PMID: 21035992.

Cook C, Hegedus EJ, Stefancin JJ, **Kissenberth MJ**, Cassas K, Hawkins RJ, Tobola A. An investigation of the relationship between measures of pain intensity, pain affect, and disability in patients with shoulder dysfunction. *J Man Manip Ther.* 2011 May; 19(2): 71-5. Doi: 10.1179/2042618610Y.0000000006. PMID: 22547916.

Clark JC, Ritchie J, Song FS, **Kissenberth MJ**, Tolan SJ, Hart ND, Hawkins RJ. Complication rates, dislocation, pain, and postoperative range of motion after reverse shoulder arthroplasty in patients with and without repair of the subscapularis. *Journal of Shoulder and Elbow Surgery.* 2012 Jan; 21(1): 36-41. Doi: 10.1016/j.jse.2011.04.009. Epub 2011 Jul 31. PMID: 21803609.

Tobola A, Cook C, Cassas KJ, Hawkins RJ, Wienke JR, SJ Tolan, **Kissenberth MJ**. Accuracy of glenohumeral joint injections: comparing approach and experience of provider. *J Shoulder Elbow Surg.* 2011 Oct; 20(7): 1147-54. Doi: 10.1016/j.jse.2010.12.021. Epub 2011 Apr 13. PMID: 21493103.

Christoforetti JJ, Krupp RJ, Singleton SB, **Kissenberth MJ**, Cook C, Hawkins RJ. Arthroscopic suture bridge transosseus equivalent fixation of rotator cuff tendon preserves intratendinous blood flow at the time of initial fixation. *J Shoulder Elbow Surg.* 2012 Apr; 21(4):523-30. Doi: 10.1016/j.jse.2011.02.012. Epub 2011 May 18. PMID: 21596587.

Hegedus EJ, Zavala J, **Kissenberth MJ**, Cook C, Cassas KJ, Hawkins RJ, Tobola A. Positive outcomes with intra-articular glenohumeral injections are independent of accuracy. *J Shoulder Elbow Surg.* 2010 Sep; 19(6): 795-801. Doi: 10.1016/j.jse.2010.03.014. Epub 2010 Jul 14. PMID: 20655766.

So R, Sease WF, **Kissenberth MJ**, Bolin DJ. Elbow Pain-Football. *Medicine & Science in Sports & Exercise*, 39(5):c20,2007.

Kissenberth MJ, Wilckens JH. The Snapping Biceps Femoris Tendon. *American Journal of Knee Surgery.* 2000 Winter; Vol. 13, No. 1, pg. 25-28. PMID: 11826921.

REFERRED ABSTRACT PUBLICATIONS

2013

Relative Rotator Cuff Tear Size Measured Via Ultrasound Relates to Patient Function. Thigpen CA, Bailey LB, Shanley E, Kwartowitz D, Birchfield S, Hawkins RJ, **Kissenberth MJ**. 2013 APTA Combined Section Meeting. San Diego, CA. *Journal of Orthopaedic and Sports Physical Therapy.* 43 (1): A23. 2013

Preseason shoulder ROM screening as a predictor of injury among youth, adolescent, and professional baseball pitchers. Shanley E, **Kissenberth MJ**, Thigpen CA, Bailey L, Hawkins RJ, Michener L, Rauh MJ. 2013 APTA Combined Section Meeting. San Diego, CA. *Journal of Orthopaedic and Sports Physical Therapy.* 43 (1): A43. 2013.

Dominant Medial Elbow Joint Space but Not Gapping Is Greater Compared to Nondominant Elbow in Asymptomatic Professional Baseball Players. Bailey LB, Shanley E, Rulewicz G, **Kissenberth MJ**, Lonergan K, Wyland D, Hawkins RJ, Noonan TJ, Thigpen CA. 2013 APTA Combined Section Meeting. San Diego, CA. Journal of Orthopaedic and Sports Physical Therapy. 43 (1): A52. 2013

2012

Humeral torsion on shoulder range of motion and GIRD in youth, adolescent and professional pitchers. Shanley E, Thigpen CA, Bailey L, Hawkins RJ, **Kissenberth MJ**, Noonan T. 2012 APTA Combined Section Meeting. Chicago, IL. Journal of Orthopaedic and Sports Physical Therapy. 42 (1): A59. 2012

Changes in passive Range of Motion and development of Glenohumeral Internal Rotation Deficit (GIRD) in the Professional Pitching Shoulder between Spring Training in two consecutive years. Ellen Shanley, PhD, PT; Charles A Thigpen, PhD, PT; J.C. Clark, MD; Douglas J Wyland, MD; Richard J. Hawkins, M.D.; Thomas J Noonan, MD; **Michael J Kissenberth, MD**. Southern Orthopaedic Association Annual Meeting, July 20, 2012. Greenbrier, West Virginia. Presenter: Michael J. Kissenberth

Orthopedic Surgeons in Training can Quickly Learn to Diagnose Full Thickness Rotator Cuff Tears Using Ultrasonography. Grant Bennett, Christopher Baker, Kevin Kruse, Richard J. Hawkins, **Michael J. Kissenberth**. Presented at Southern Orthopaedic Association Annual Meeting, July 20, 2012, Greenbrier, West Virginia. Presenter: Michael J. Kissenberth

2011

Development of GIRF and alterations in shoulder range of motion (ROM) in the professional pitching shoulder between seasons. Thigpen CA, Clark JC, Hawkins RJ, Wyland DJ, **Kissenberth MJ**. 2011 Combined Sections Meeting. New Orleans, LA. Journal of Orthopaedic and Sports Physical Therapy. 41 (1) 2011

Increased Humeral Retroversion is Associated with Decreased Shoulder Internal and Horizontal Adduction Range of Motion in the Professional Pitchers. Thigpen CA, Shanley E, Hawkins RJ, Wyland, DJ, **Kissenberth MJ**, Noonan TJ, Schlegel TJ. 2011 N.A.T.A. 62nd Annual Meeting-Symposium. New Orleans, LA. Journal of Athletic Training 44 (2) S-xx. 2011

Increased Humeral Retroversion is Associated with Decreased Shoulder Internal and Horizontal Adduction Range of Motion in the Professional Pitchers. Thigpen CA, Shanley E, Clark JC, Hawkins RJ, Wyland DJ, **Kissenberth MJ**. 2011 APTA Combined Sections Meeting. New Orleans, LA. Journal of Orthopaedic and Sports Physical Therapy 41 (1) 2011

Accuracy of Glenohumeral Joint Injections: Comparing Approach and Experience of Provider. Allison Tobola, Chad Cook, Kyle J. Cassas, Richard J. Hawkins, Jeffrey R.

Wienke, Stefan J. Tolan, and **Michael J. Kissenberth**. Poster presentation: 124th American Orthopaedic Association Annual Meeting, Boston, MA. June, 2011.

Comparing Short-term Pain and Functional Outcomes for Glenohumeral Injections In and Out of Capsule. Eric Hedegus, John A. Zavala, **Michael J. Kissenberth**, Chad Cook, Kyle J. Cassas, Richard J. Hawkins, Allison Tobola. Paper presentation: American Academy of Orthopaedic Surgeons 2011 Annual Meeting, San Diego, CA. February 2011.

PRESENTATIONS

2020

Ahearn B, Shanley E, Thigpen CA, Pill SG, **Kissenberth MJ**. Factors Influencing Time to Return to Sport Following Clavicular Fractures in Adolescent Athletes. ASES 2020 Fellow's Symposium, June 2020.

Kaiser T, Shanley E, Denninger TR, Reuschel B, **Kissenberth MJ**, Tolan SJ, Thigpen CA. Patients Undergoing TSA Display Greater Fall Risk Compared to RCR Prior to Surgery. ASES 2020 Fellow's Symposium, June 2020.

Arvesen J, **Kissenberth MJ**, Lutz A, Adams KJ, Thigpen CA, Tokish JM, Momaya A, Shanley E. Athlete's Diagnosed with Anterior and Posterior Shoulder Instability Display Different Chief Complaints and Disability. ASES 2020 Fellow's Symposium, June 2020.

McCallum J, Pill SG, Tolan SJ, Hall TM, Adams KJ, Hutchinson J, Alexander R, Siffri PJ, Brooks J, Tokish JM, **Kissenberth MJ**. Randomized Controlled Trial of Osseous Integration and Clinical Outcomes After Rotator Cuff Repair Comparing Open Architecture Versus Closed Fenestrated Anchors. ASES 2020 Fellow's Symposium, June 2020.

McCallum, Pill, Tolan, Hall, Adams, Hutchinson, Alexander, Siffri, Brooks, Tokish, **Kissenberth**. Randomized Controlled Trial of Osseous Integration and Clinical Outcomes After Rotator Cuff Repair Comparing Open Architecture Versus Closed Fenestrated Anchors. Poster presentation, Health Sciences Center Research Showcase, Greenville, SC, May 2020.

Buchler LT, Thigpen CA, Shanley E, Nabers M, **Kissenberth MJ**, Noonan TJ. Asymmetries in Functional Lower Extremity Movements in Professional Baseball Players. Mid America Orthopedic Association, April 2020

2019

Shanley E, Thigpen CA, Adams KJ, Hutchinson J, **Kissenberth MJ**. Shoulder Instability Direction Influences Scholastic Return to Sport the Following Season. ICSES, Buenos Aires, Argentina, September 2019

Shanley E., Thigpen CA., Josephson J., Carlisle R, Tokish JM., **Kissenberth MJ**. Recurrent Shoulder Instability Influences WOSI Scores but not ASES or Return to Sport Rates in Adolescent Athletes Following Shoulder Instability. ICSES, Buenos Aires, Argentina, September 2019.

Chapman C, Hudspeth J, Thigpen CA, **Kissenberth MJ**. Variation in Opioid Prescription Fill Rates and Intensity for Rotator Cuff Repair and Risk of Long-Term Use. ICSES, Buenos Aires, Argentina, September 2019.

Shanley E, **Kissenberth MJ**, Adams KJ, Wyland DJ, Noonan TJ, Tokish JM, Thigpen CA. Humeral Torsion Profiles differ amongst injured and uninjured Latin American compared to North American Professional Pitchers. Poster presentation, ICSES, Buenos Aires, Argentina, September 2019.

Tokish JM, Thigpen CM, **Kissenberth MJ**, Tolan ST, Lonergan KT, Hawkins RJ, Shanley E. Validated score to predict who needs operative management for instability. Poster presentation, SOA Annual Meeting, Amelia Island, FL, July 2019.

Hall S, Baxley D, Pill SG, **Kissenberth MJ**, Tokish JM, DesJardins JD. Micromotion and strength of the glenoid component in rTSA. Poster presentation, SOA Annual Meeting, Amelia Island, FL, July 2019.

Shanley E., Thigpen CA., Josephson J., Carlisle R, Tokish JM., **Kissenberth MJ**. Shoulder Instability Influences WOSI Scores, not ASES, Return to Sport, Poster presentation, SOA Annual Meeting, Amelia Island, FL, July 2019.

Tolan SJ, Rush L, Hall TM, Thigpen CA, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Residual Tendon Length Doesn't Predict Arthroscopic Rotator Cuff Repair Outcomes. Poster presentation, SOA Annual Meeting, Amelia Island, FL, July 2019.

Kwapisz A, Thigpen CA, Rogers J, Shanley E, Alexander R, Tokish JM, **Kissenberth MJ**. Posterior Rotator Cuff Fatty Infiltration Doesn't Influence Lateralized rTSA Outcomes. Poster presentation, SOA Annual Meeting, Amelia Island, FL, July 2019.

Shanley E, Momaya AM, Pill SG, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Does Functional Bracing of the Unstable Shoulder Improve Return to Play in Scholastic Athletes? SCOA Annual Meeting, Kiawah Island, SC, 2019.

Shanley E, Momaya AM, Pill SG, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Does Functional Bracing of the Unstable Shoulder Improve Return to Play in Scholastic Athletes? SCOA Annual Meeting, Kiawah Island, SC, 2019.

Longstaffe R, Adams KJ, Thigpen CA, Pill SG, Siffri P, Hawkins R, Tokish JM, **Kissenberth MJ**, Tolan SJ. Residual Tendon is Not a Predictor of Outcome Following Arthroscopic Rotator Cuff Repair at Short Term Follow Up. ASES 2019 Fellow's Symposium, San Diego, June 2019.

Chapman C, Hudspeth J, Thigpen CA, **Kissenberth MJ**. Variation in Opioid Prescription Fill Rates and Intensity for Rotator Cuff Repair and Risk of Long-Term Use. ASES 2019 Fellow's Symposium, San Diego, June 2019.

Dickerson P, Longstaffe R, Pill SG, Shanley E, Thigpen CA, **Kissenberth MJ**. Reversing Pseudoparalysis of the Shoulder due to Massive, Irreparable Rotator Cuff Tears: A Systematic Review. ASES 2019 Fellow's Symposium, San Diego, June 2019.

SG Pill, A Ali, L Rush, E Shanley, CA Thigpen, R Longstaffe, **Kissenberth MJ**. Systematic Review of High-Grade Acromioclavicular Separation Outcomes. ASES 2019 Fellow's Symposium, San Diego, June 2019.

Tolan SJ, L Rush L, Adams KJ, Hall TM, Cook C, Thigpen CA, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Residual Tendon Length is Not a Predictor of Outcome Following Arthroscopic Rotator Cuff Repair. AANA Annual Meeting, Orlando, May 2019

Chapman C, Hudspeth J, Thigpen CA, **Kissenberth MJ**. Increased Opioid Use following Rotator Cuff Repair Associated with Prior Opioid Use and Surgeon Prescription Patterns. Poster presentation, Health Sciences Center Research Showcase, Greenville, SC, April 2019.

Hall S, Baxley D, **Kissenberth MJ**, Tokish JM, Pill S, DesJardins, JD. Micromotion and strength of the glenoid component in reverse total shoulder arthroplasty: Optimal clinical positioning with preoperative planning software is biomechanically superior in the simulated B2 model. Poster presentation, Health Sciences Center Research Showcase, Greenville, SC, April 2019.

Kwapisz A, Thigpen CA, Rogers J, Adams KJ, Shanley E, Alexander R, Griscom J, Granade CM, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Posterior Rotator Cuff Fatty Infiltration Does Not Influence Patient Outcomes After Lateralized Reverse Shoulder Arthroplasty. AAOS Annual Meeting, Las Vegas, NV, March 2019.

2018

Tokish JM, **Kissenberth MJ**, Shanley E, Tolan SJ, Adams KJ, Alexander R, Babrowicz SA, Hawkins RJ, Thigpen CA. Arthroscopic Superior Capsular Reconstruction in Males

Provides Superior Outcomes to Reverse Total Shoulder or Debridement for Irreparable Rotator Cuff Tears. AOSSM Annual Meeting, San Diego, 2018.

Tolan SJ, Rush L, Adams KJ, Hall TM, Cook C, Thigpen CA, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Residual Tendon Length is Not a Predictor of Outcome Following Arthroscopic Rotator Cuff Repair. Poster presentation ASES Annual Meeting, Chicago, IL, October 2018.

Kwapisz A, Thigpen CA, Rogers J, Adams KJ, Shanley E, Alexander R, Griscom J, Granade CM, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Posterior Rotator Cuff Fatty Infiltration Does Not Influence Patient Outcomes After Lateralized Reverse Shoulder Arthroplasty. Poster presentation ASES Annual Meeting, Chicago, October 2018.

Hall S, Baxley D, **Kissenberth MJ**, Tokish JM, DesJardins JD. Micromotion and strength of the glenoid component in reverse total shoulder arthroplasty: Optimal clinical positioning with preoperative planning software is biomechanically superior in the simulated B2 model. Poster presentation ASES Annual Meeting, Chicago, October 2018.

Tokish JM, Thigpen CM, **Kissenberth MJ**, Tolan ST, Lonergan KT, Hawkins RJ, Kwapisz A, Shanley E. The Non-Operative Instability Severity Score (NISIS): A validated scoring system to predict who needs operative management in the scholastic athlete. SCOA Annual Meeting, Kiawah Island, SC, August 2018.

Thigpen CA, Shanley E, Momaya AM, Tokish JM, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. Validity and Responsiveness of the Single Alpha-Numeric Evaluation (SANE) for Shoulder Patients. SOA Annual Meeting, Palm Beach, FL, July 2018.

Thigpen CA, Brooks JM, Floyd SB, **Kissenberth MJ**, Hawkins RJ, Tokish JM. A Risk Adjusted Performance Measure to Compare Surgeons for Patients Following Rotator Cuff Repair. SOA Annual Meeting, Palm Beach, FL, July 2018.

Kissenberth MJ, Shanley E, Chaaban C, Babrowicz SA, Wyland DJ, Tokish JM, Thigpen CA. Return To High School Sports Is Influenced By Time To Surgery Following ACL Reconstruction. SOA Annual Meeting, Palm Beach, FL, July 2018.

Tokish JM, **Kissenberth MJ**, Shanley E, Tolan SJ, Adams KJ, Alexander R, Babrowicz SA, Hawkins RJ, Thigpen CA. Arthroscopic Superior Capsular Reconstruction in Males Provides Superior Outcomes to Reverse Total Shoulder or Debridement for Irreparable Rotator Cuff Tears. AOSSM Annual Meeting, San Diego, CA, July 2018.

Thigpen CA, Brooks JM, Floyd SB, **Kissenberth MJ**, Hawkins RJ, Tokish JM. Comparing Surgeon Performance of Rotator Cuff Repair: Risk Adjustment Toward a Fair Performance Measure. AANA Annual Meeting, Chicago, IL, April 2018.

Floyd SB, Campbell J, Thigpen CA, **Kissenberth MJ**, Brooks J. Geographic Variation in the Treatment of Proximal Humerus Fracture in the Medicare Population. Poster presentation, GHS Research Day, Greenville, SC. April 2018.

Shanley E, Thigpen CA, Thorpe J, Gilliland RG, Wyland DJ, **Kissenberth MJ**, Tokish JM. Return to Sport as Outcome Measure for Shoulder Instability: Surprising Findings in Non-Operative Management in a high school athlete population. Poster presentation, GHS Research Day, Greenville, SC. April 2018

Tokish JM, Thigpen CM, **Kissenberth MJ**, Tolan ST, Lonergan KT, Hawkins RJ, Kwapisz A, Shanley E. The Non-Operative Instability Severity Score (NISIS): A validated scoring system to predict who needs operative management in the scholastic athlete. AOSSM Specialty Day, New Orleans, LA, March 2018.

Tokish JM, Thigpen CM, **Kissenberth MJ**, Tolan ST, Lonergan KT, Hawkins RJ, Kwapisz A, Shanley E. The Non-Operative Instability Severity Score (NISIS): A validated scoring system to predict who needs operative management in the scholastic athlete. AAOS Annual Meeting, New Orleans, LA, March 2018.

Llaneza DA, Thigpen CA, Reuschel B, Shanley E, **Kissenberth M**, Tolan S. Gait Speed and Timed Up and Go Score Associated with Increased Fall Risks for Total Shoulder Arthroplasty and Rotator Cuff Surgery. APTA Combined Sections Meeting. Poster Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

Pellett A, Shanley E, **Kissenberth M**, Hawkins R, Tokish J, Thigpen CA. Generalized Joint Hypermobility Influences Treatment Type but not Functional Outcome in Young Instability Athletes. APTA Combined Sections Meeting. Poster Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

Vall G, Shanley E, Evan D, **Kissenberth M**, Thigpen CA. Evaluation of Acute Versus Chronic Workload of an Interval Throwing Program. APTA Combined Sections Meeting. Poster Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

Arnold A, Thigpen CA, Beattie, P, **Kissenberth M**, Shanley E. Sport Specialization and Throwing-Related Arm Pain in Youth Baseball Players: A 6-Month Prospective Study. APTA Combined Sections Meeting. Poster Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

Evan D, Thigpen CA, Valls, G, Arnold A, Kline D, Shanley E, **Kissenberth M**. Comparison of External and Internal Load During Flat Ground and Mound Pitching. APTA Combined Sections Meeting. Platform Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

Shanley E, Thigpen CA, **Kissenberth M**, Tokish J. Functional Outcomes, Recurrence, and Sport Participation Following Treatment for Shoulder Instability. APTA Combined Sections Meeting. Platform Presentation. New Orleans, LA, February, 2018. JOSPT 48(1) January, 2018.

2017

Shanley E, Thigpen CA, Ruffrage L, Wyland DJ, **Kissenberth MJ**, Tokish JM. Return to Sport as Outcome Measure for Shoulder Instability: Surprising Findings in Non-Operative Management in a high school athlete population. AOSSM Annual Meeting. Toronto, July 2017.

Shanley E, Bailey LB, **Kissenberth MJ**, Sease WF, Hawkins RJ, Tokish JM, Thigpen CA. Generalized joint hypermobility is not associated with the development of overuse arm injuries in adolescent baseball pitchers. Poster presentation. AOSSM Annual Meeting. Toronto, July 2017.

Thigpen CA, Tolan SJ, Lee J, Gutta CS, Swinehart SD, Lonergan KT, **Kissenberth MJ**, Hawkins RJ, Tokish JM. Treatment of Biceps Lesions in the Setting of Rotator Cuff Repair: When is Tenodesis Superior to Tenotomy? Poster presentation. AOSSM Annual Meeting. Toronto, July 2017.

Thigpen CA, Shanley E, Tokish JM, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. Validity and Responsiveness of the Single Alpha-Numeric Evaluation(SANE) for Shoulder Patients. AOSSM Annual Meeting. Toronto, July 2017.

Shanley E, Momaya AM, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Non-Operative vs. Operative Management of Posterior Shoulder Instability: Evidence to Support Decision Making in the Scholastic Athlete. Poster presentation, Canadian Orthopedic Association. Ottawa, June 2017.

Shanley E, Tolan SJ, Washburn R, Tadlock J, Kellam T, **Kissenberth MJ**, Lonergan KT, Hawkins RJ, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster presentation, Canadian Orthopedic Association. Ottawa, June 2017.

Kissenberth MJ, Shanley E, Tolan SJ, Lonergan KT, Roberson TA, Griscom JT, Adams KJ, Hawkins RJ, Tokish JM. Subscapularis Repair is unnecessary after Lateralized Reverse Shoulder Arthroplasty. Canadian Orthopedic Association. Ottawa, June 2017.

Shanley E, Momaya AM, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Does Functional Bracing of the Unstable Shoulder Improve Return to Play in Scholastic Athletes? Poster presentation, AANA Annual Meeting. Denver, May 2017.

Shanley E, Momaya AM, Kwapisz A, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Non-Operative vs. Operative Management of Posterior Shoulder Instability: Evidence to Support Decision Making in the Scholastic Athlete. Poster presentation, AANA Annual Meeting. Denver, May 2017.

Shanley E, Tolan SJ, Washburn R, Tadlock J, Kellam T, **Kissenberth MJ**, Lonergan KT, Hawkins RJ, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster Presentation. AAOS Annual Meeting, San Diego, CA. March 14-18, 2017.

Tokish JM, Shanley E, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Granade CM, Roberson TA, Abildgaard JT, Hawkins RJ. The Effect of Critical Shoulder Angle, Acromial Humeral Distance, Acromial Index, Center of Rotation, and Deltoid Lever Arm on Outcomes and Range of Motion in Patients Undergoing Reverse Total Shoulder Arthroplasty. Podium Presentation. AAOS Annual Meeting, San Diego, CA. March 14-18, 2017.

Roberson TA, Granade CM, **Kissenberth MJ**, Lonergan KT, Tolan SJ, Adams KJ, Hawkins RJ, Tokish JM. Non-operative management is just as good as reverse shoulder arthroplasty for treatment of three and four-part proximal humerus fractures in the elderly. Podium Presentation. AAOS Annual Meeting, San Diego, CA. March 14-18, 2017.

Shanley E, **Kissenberth MJ**, Brooks J, Gilliland RG, Thorpe J, Nance D, Tokish JM. Heads Up Football Training Decreases Concussion Rates in High School Football Players. Podium Presentation. AAOS Annual Meeting, San Diego, CA. March 14-18, 2017.

Shanley E, **Kissenberth MJ**, Brooks J, Gilliland RG, Thorpe J, Nance D, Tokish JM. Heads Up Football Training Decreases Concussion Rates in High School Football Players. Podium Presentation. AAOS Annual Meeting. AOSSM Specialty Day, San Diego, CA. March 18, 2017.f

Thigpen CA, **Kissenberth MJ**, Hunt Q, Tolan SJ, Swinehart SD, Gutta CS, Roberson TA, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy Is A Common And Negative Predictor of Outcomes After Rotator Cuff Repair. ASES Specialty Day, San Diego, CA. March 14-18, 2017.

2016

Abildgaard JT, Lonergan KT, Tolan SJ, **Kissenberth MJ**, Hawkins RJ, Long CD, Adams KT, Tokish JM. Liposomal Bupivacaine Inferior to Indwelling Interscalene Nerve Block for Post-operative Pain Control in Shoulder Arthroplasty: A Prospective Randomized Controlled Trial. ASES Annual Meeting, Boston, MA. October 6-9, 2016.

Shanley E, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Hawkins RJ, Salim TI, Tadlock J, Kellam T, Long CD, Crawford AE, Mercuri JM, Tokish JM. Resilience Correlates to Outcomes after Total Shoulder Arthroplasty. ASES Annual Meeting, Boston, MA. October 6-9, 2016.

Thigpen CA, **Kissenberth MJ**, Hunt Q, Tolan SJ, Swinehart D, Gutta CS, Roberson TA, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy is a Common and Negative Predictor in Outcomes after Rotator Cuff Repair. Poster Presentation. South Carolina Orthopaedic Association Annual Meeting, Kiawah Island, SC. August 4-6, 2016.

Shanley E, Salim TI, Tadlock J, Kellan T, **Kissenberth MJ**, Lonergan KT, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster Presentation. South Carolina Orthopaedic Association Annual Meeting, Kiawah Island, SC. August 4-6, 2016.

Tokish JM, **Kissenberth MJ**, Tolan SJ, Lonergan, KT, Hawkins RJ, Salim TI, Mercuri JM, Shanley E. Resilience Correlates to Outcomes after Total Shoulder Arthroplasty. Poster Presentation. South Carolina Orthopaedic Association Annual Meeting, Kiawah Island, SC. August 4-6, 2016.

Lonergan KT, Tolan SJ, **Kissenberth MJ**, Hawkins RJ, Bentley JC, Griscom JT, Hunt Q, grenade CM, Adams KJ, Tokish JM. Younger patients do worse functionally than older patients after reverse total shoulder arthroplasty with a lateralized design. Poster Presentation. South Carolina Orthopaedic Association Annual Meeting, Kiawah Island, SC. August 4-6, 2016.

Tokish JM, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Hawkins RJ, Mercuri JM, Shanley E. Resilience Correlates to Outcomes After Total Shoulder Arthroplasty. SOA Annual Meeting, Naples, FL. July 27-30, 2016.

Beicker CR, Tokish JM, **Kissenberth MJ**, Siffri PC, Rulewicz GJ, Backes JR, Thigpen CA. Preoperative Ultrasound Predicts Need for Allograft Supplementation in ACL Reconstruction. SOA Annual Meeting, Naples, FL. July 27-30, 2016.

Thigpen CA, **Kissenberth MJ**, Hunt Q, Tolan SJ, Swinehart SD, Gutta CS, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy is a Common and Negative Predictor of Outcomes after Rotator Cuff Repair. Poster presentation. AOSSM Annual Meeting, Colorado Springs, CO. July 20-23, 2016.

Thigpen CA, **Kissenberth MJ**, Hunt Q, Tolan SJ, Swinehart SD, Gutta C, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy is a Common and Negative Predictor in Outcomes after Rotator Cuff Repair. Canadian Orthopedic Annual Meeting, Quebec City, Canada. June 16-19, 2016.

Kissenberth MJ. Biceps Pathology and its Relation to Humeral Torsion in Professional Baseball Pitchers. 2016 AANA Annual Meeting , Boston, MA. April 14-16, 2016.

Tokish JM, **Kissenberth MJ**, Bell R, Hawkins RJ. The Irreparable Rotator Cuff Tear: A Cased Based Approach for Decision Making: Partial Repair, Biologics, or Reverse Shoulder Arthroplasty? Instructional Course Lecture, AANA Annual Meeting, Boston, MA. April 14-16, 2016.

Thigpen CA, **Kissenberth MJ**, Hunt Q, Tolan SJ, Swinehart SD, Gutta CS, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy is a Common and Negative Predictor in Outcomes after Rotator Cuff Repair. Poster Presentation, AANA Annual Meeting, Boston, MA. April 14-16, 2016.

Thigpen, CA, Bailey L, **Kissenberth MJ**, Noonan TJ, Hawkins RJ, Shanley E. Effectiveness of a Preseason Program on Arm Injury Risk Factors: An Randomized Control Trial in Adolescent Pitchers. Boston, MA, April 14-16, 2016.

Tokish JM, **Kissenberth MJ**, Tolan SJ, Lonergan KT, Hawkins RJ, Salim TI, Mercuri JM, Shanley E. Resilience Correlates to Outcomes After Total Shoulder Arthroplasty. AAOS Annual Meeting, Orlando, FL. March 3-6, 2016.

Thigpen CA, Bailey LB, **Kissenberth MJ**, Noonan TJ, Hawkins RJ, Shanley E. Effectiveness of a Preseason Prevention Program on Arm Injury Risk Factors: An Randomized Control trial in Adolescent Pitchers. AOSSM Specialty Day, Orlando, FL. March 5, 2016.

2015

Shanley E, Thigpen CA, Arnold A, Hawkins RJ, Tokish JM, **Kissenberth MJ**. Alterations in Humeral Torsion and ROM Are Associated with Little Leaguer’s Shoulder and Elbow in Youth Pitchers. ASES Annual Meeting, Asheville, NC. October 2015.

Poster Presentation. **Kissenberth MJ**, Thigpen CA, Bailey LB, Schweppe M, Geit D, Wyland DJ, Hawkins RJ, Noonan TJ, Shanley E. Professional Pitchers Display Differences in Ulnar Collateral Ligament Morphology and Elbow Gapping Following UCLR Compared to Uninjured Pitchers. Asheville, NC. October 2015.

Kissenberth MJ, Tolan SJ, Tokish JM, Lonergan KT, Swinehart SD, Thigpen CA. Biceps Tenodesis Superior to Tenotomy in Massive Irreparable Cuff Tears. 2015 SCOA Annual Meeting, Kiawah Island, SC. August 6 – 9, 2015.

Kissenberth MJ, Thigpen CA, Bailey LB, Wyland DJ, Noonan TJ, Shanley E. Differences in Pitchers’ UCL Morphology and Elbow gapping following reconstruction. 2015 SOA Annual Meeting . Asheville, NC. July 15 – 18, 2015.

Shanley E, Thigpen CA, Hawkins RJ, Wyland DJ, **Kissenberth MJ**, Tokish JM. Left-handed Pitchers ROM and Torsion Adapt Differently Than Right-handed Pitcher. 2015 SOA Annual Meeting. Asheville, NC. July 15 – 18, 2015.

Thigpen CA, **Kissenberth MJ**, Arnold A, Bailey LB, Hawkins RJ, Shanley E. Humeral Torsion Adaptation in Little League Pitchers Compared to Adolescent. 2015 SOA Annual Meeting, Asheville, NC. July 15 – 18, 2015.

Kissenberth MJ, Tolan SJ, Lonergan KT, Shelley C, Hawkins RJ, Thigpen CA. Biceps Tenodesis Superior to Tenotomy in Young Large Cuff Repairs. 2015 SOA Annual Meeting, Asheville, NC. July 15 – 18, 2015.

Tolan SJ, Tokish JM, Swinehart SD, Lonergan KT, **Kissenberth MJ**, Thigpen CA. Biceps Tenodesis Superior to Tenotomy in Massive Irreparable Cuff Tears. 2015 SOA Annual Meeting, Asheville, NC. July 15 – 18, 2015.

Kissenberth MJ, Thigpen CA, Bailey L, Schweppe M, Geist D, Wyland DJ, Hawkins RJ, Noonan TJ, Shanley E. Professional Pitchers Display Differences in Ulnar Collateral Ligament Morphology and Elbow Gapping Following UCLR Compared to Uninjured Pitchers. 2015 AOSSM Annual Meeting, Orlando, FL. July 2015.

Kissenberth MJ, Tokish JM, Lee J, Shelley C, Swinehart SD, Tolan SJ, Hawkins RJ, Thigpen CA. Biceps tenodesis is superior to tenotomy in young patients undergoing large rotator cuff repair. 2015 Hawkins Society Annual Meeting, Hilton Head Island, SC. May 6 – 9, 2015.

Kissenberth MJ, Tokish JM, Lee J, Shelley C, Swinehart SD, Tolan SJ, Hawkins RJ, Thigpen CA. Biceps tenodesis is superior to tenotomy in young patients undergoing large rotator cuff repair. 2015 AANA Annual Meeting, Los Angeles, CA. April 23 – 25, 2015.

Poster Presentation – Shanley E, Thigpen CA, Hahn J, Hawkins RJ, Wyland DJ, **Kissenberth MJ**, Tokish JM. Left-handed pitchers do not demonstrate the same adaptive changes in humeral torsion and ROM as right-handed pitchers. AANA Annual Meeting, Los Angeles, CA. April 23-25, 2015.

Geist D, Schweppe M, Shanley E, Thigpen CA, Bailey LB, Noonan TJ, Wyland DJ, Tokish JM, **Kissenberth MJ**. Ultrasonography as Applied to the Moving Valgus Stress Test is Reliable for Assessment of the Elbow UCL in Professional Pitchers. AANA Annual Meeting Los Angeles, CA. April 23-25, 2015.

2014

2014 SCOA Annual Meeting: Effectiveness of a Preseason Prevention Program on Arm Injury Risk Factors: An RCT in Adolescent Pitchers. Kiawah Island, SC. July 31 – August 3, 2014.

2014 AOSSM Annual Meeting: Influence of a Prevention Program on Arm Injury Risk: An RCT in Adolescent Pitchers. Seattle, WA. July 10 – 13, 2014.

2014 Hawkins Society Annual Meeting: Options for Revision Instability Surgery. Hilton Head Island, SC. May 7 – 10, 2014.

2014 AAOS Annual Meeting Paper Presentation: Glenohumeral Joint Pathology Associated with High Grade Acromioclavicular Joint Injuries. New Orleans, LA. March 12, 2014.

Foundation for Orthopaedic Research and Education Faculty: Current Solutions in Shoulder and Elbow Surgery. Tampa, FL. January 16 – 19, 2014.

Research Update – Colorado Rockies Baseball Club: Physical Adaptation and Modifiable Risk Factors for Shoulder and Elbow Injury in Pitching in Professional Baseball. Scottsdale, AZ. February 27 – 29, 2014.

2013

Hawkins Society – “Reverse Arthroplasty: Review of Complications.” Hilton Head Island, SC. May 15 – 18, 2013.

Annual Steadman Hawkins Clinic of the Carolinas Sports Medicine Symposium. Greenville, SC. June 7, 8, 2013.

Southern Orthopaedic Association 30th Annual Meeting – “A Positive Tangent Sign Predicts the Repairability of Rotator Cuff Tears.” July 19, 2013.

Southern Orthopaedic Association 30th Annual Meeting – “Elbow Extension ROM Loss is Protective of Injury in Youth Baseball Pitchers.” July 20, 2013.

AOSSM Annual Meeting: Poster presentation Thomas J. Noonan, MD; Ellen Shanley, PT, PhD; Lane Bailey, DPT; Douglas J. Wyland, MD; **Michael J. Kissenberth, MD**; Richard J. Hawkins, MD; Charles A. Thigpen, PT, PhD, ATC. Professional pitchers with GIRD display greater dominant humeral retrotorsion than pitchers with normal ROM.

ASES Annual Meeting 2013: Poster Presentation. Rulewicz GJ, Hamilton SC, Bruch H, Hawkins RJ, **Kissenberth MJ**. A Positive Tangent Sign Predicts the Repairability of Rotator Cuff Tears. Las Vegas, NV. October 2013.

2012

ASES Specialty Day: Clark JC, Song FS, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. Reverse Shoulder Arthroplasty: Review of Complications According to Surgical Indication. San Francisco, CA. March 2012.

AANA: Poster Presentation: Phillips JC, Cook C, Beaty S, **Kissenberth MJ**, Siffri PJ, Hawkins RJ. Validity of noncontrast MRI in diagnosing SLAP tears. Orlando, FL. May 2012.

Southern Orthopaedic Association – “Orthopaedic Surgeons in Training Can Quickly Learn to Diagnose Full Thickness Rotator Cuff Tears Using Ultrasonography” – White Sulphur Springs, WV. July 18-22, 2012.

Southern Orthopaedic Association – “Changes in Passive Range of Motion and Development of Glenohumeral Internal Rotation Deficit (GIRD) in the Professional Pitching Shoulder Between Spring Training in Two Consecutive Years” – White Sulphur Springs, WV. July 18-22, 2012.

Hands on Lab session on Instability, Biceps Repair and Arthroscopic Rotator Cuff Repair, with demos. SHCC. August 18, 2012.

South Carolina Orthopaedic Association – “Reverse Shoulder Arthroplasty” - 2012 Annual Scientific Meeting, Kiawah Island, SC. August 2-5, 2012.

South Carolina Orthopaedic Association: Bennett G, Baker C, Kruse K, Hawkins RJ, **Kissenberth MJ**. Orthopaedic Surgeons in Training Can Quickly Learn to Diagnose Full Thickness Rotator Cuff Tears Using Ultrasonography. Kiawah Island, SC. August 2012.

AOSSM Annual Meeting, Baltimore, MD. August 12-15, 2012. Instructional Course Lecture: How About that Biceps Tendon; Moderator: Richard J. Hawkins, MD, Faculty: Peter MacDonald, MD, John M. Tokish, MD, **Michael J. Kissenberth, MD**.

2012 APTA Combined Section Meeting – “Changes in Range of Motion and Development of GIRD in Youth, Adolescent, and Professional Pitchers” – with Shanley E, Thigpen C, Clark JA, Hawkins RJ, Wyland DJ, Noonan TJ.

2011

Research Update: Rockies (with Wyland), Revision Stabilization Options (2 separate talks) Hawkins Society, May 6, 2011.

Hawkins Throwing Academy. Elbow and Shoulder Injuries. 2011.

AOSSM Annual Meeting: Thigpen CA, Shanley E, **Kissenberth MJ**, Wyland DJ, Hawkins RJ, Noonan TJ, Schlegel TF. Humeral Retrotorsion Is Associated With Decreased Shoulder Internal Rotation ROM In Professional Pitchers but not Elite Quarterbacks. San Diego, CA. July 2011.

AOSSM Annual Meeting: Wyland DJ, Pill SG, Shanley E, Clark JC, Hawkins RJ, Noonan TJ, **Kissenberth MJ**, Thigpen CA. Bony Adaptation of the Proximal Humerus and Glenoid Correlate in the Throwing Shoulder of Professional Baseball Pitchers. San Diego, CA. July 2011.

AOSSM Annual Meeting: Poster Presentation: Sweitzer BS, Stranges G, Thigpen CA, Wienke J, **Kissenberth MJ**, Noonan TJ, Wyland DJ, Hawkins RJ. Adaptive Changes in Glenoid Morphology of Professional Baseball Pitchers. San Diego, CA. July 2011.

AOSSM Annual Meeting: Poster Presentation: Thigpen CA, Shanley E, Clark JC, Hawkins RJ, Wyland DJ, **Kissenberth MJ**, Noonan TJ. Humeral Retroversion is associated with decreased shoulder internal and horizontal adduction range of motion in the professional pitchers but not elite quarterbacks. San Diego, CA. July 2011.

2011 N.A.T.A. 62nd Annual Meeting Symposium: Thigpen CJ, Shanley E, Hawkins RJ, Wyland DJ, **Kissenberth MJ**, Noonan TJ, Schlegel TJ. Increased Humeral Retroversion is Associated with Decreased Shoulder Internal and Horizontal Adduction Range of Motion in the Professional Pitchers. New Orleans, LA. Journal of Athletic Training. 44(2) S-xx. 2011.

AOA Annual Meeting: Poster Presentation: Tobola A, Cook C, Cassas KJ, Hawkins RJ, Wienke RJ, Tolan SJ, **Kissenberth MJ**. Accuracy of Glenohumeral joint injections: comparing approach and experience of provider. Boston, MA. July 2011.

AAOS Annual Meeting: Hedegus EJ, Zavala JA, **Kissenberth MJ**, Cook C, Cassas KJ, Hawkins RJ, Tobola A. Comparing short-term pain and functional outcomes for glenohumeral injections in and out of capsule. San Diego, CA. March 2011.

AAOS Annual Meeting: Clark JC, Song FS, **Kissenberth MJ**, Tolan SJ, Hawkins RJ. Reverse Shoulder Arthroplasty: Review of Complications According to Surgical Indication. San Diego, CA. March 2011.

AAOS Annual Meeting: Poster Presentation: Clark JC, Ritchie J, **Kissenberth MJ**, Tolan SJ, Hart ND, Hawkins RJ. To repair or not to repair? Comparison of Complication rates with Reverse Shoulder Arthroplasty in patients with and without repair of the subscapularis. San Diego, CA. March 2011.

2010

Contact Athlete: If and When to Operate, and What to do When You Get There. Hawkins Society, May 13, 2010.

2009

Video Tips/How I do It: Arthroscopic AC Joint Reconstruction. Hawkins Society, May 15, 2009.

Anterior Instability. 6th Annual Steadman Hawkins Sports Medicine Symposium 2009. Presented.

ASES Specialty Day: Christoforetti J, Krupp RJ, Singleton S, **Kissenberth MJ**, Cook C, Hawkins RJ. Effect of Double Row Fixation on Rotator Cuff Tendon Blood Flow. Las Vegas, NV. March 2009.

2007

Shoulder, 4th Annual Steadman Hawkins Sports Medicine Synopsium. Moderator. June 8, 2007.

A Shoulder Symposium: Arthroscopic Rotator Cuff Repair, Shoulder Arthroplasty Shoulder Instability. May 7, 2007.

A Comparison of Forearm Supination and Elbow Flexion Strength in Patients with Either Long Head of the Biceps Tenotomy or Tenodesis. American Shoulder and Elbow Surgeons, Specialty Day, San Diego, CA. February 17, 2007.

Surface and Functional Anatomy of the Shoulder. Sports Medicine and Orthopaedic Care for the Primary Care Physician: The Knee and Shoulder. Presented. January 12, 2007.

Sports Medicine and Orthopaedic Care for the Primary Care Physician: The Knee and Shoulder. Shoulder overview and panel discussion. January 12, 2007.

2006

3rd Annual Steadman Hawkins Sports Medicine Symposium. June 9, 2006.
The 32nd Annual Greenville Orthopaedic Day. Moderator. May 19, 2006.

Adhesive Capsulitis. Hawkins Society Meeting, Hilton Head, SC. Presented. May 11, 2006.

2000

Outcome of Adductor Soft Tissue Release in Cerebral Palsy Shriners Research Project-presented Feb 2000 at Shriners Hospital, Honolulu Unit.

Outcome of Adductor Soft Tissue Release in Cerebral Palsy. Hawaii Orthopaedic Association Annual Meeting 2000-presented. **Shriners Award for best resident paper.**

Outcome of Adductor Soft Tissue Release in Cerebral Palsy. SOMOS 2000- accepted and presented.

1999

Electrothermal Capsulorrhaphy for Shoulder Instability. SOMOS 1999- accepted and presented.

Traumatic Sternomanubrial Subluxation. SOMOS 1999- accepted for poster presentation.

1998

The Snapping Biceps Femoris Tendon. Hawaii Orthopaedic Association Annual Meeting 1998-presented.

1997

Multiple Myeloma in a 27 year old. A Case Report. Hawaii Orthopaedic Association Annual Meeting 1997- presented.

AWARDS**Military:**

| | |
|---|------|
| The Army Achievement Medal Ft Eustis, Virginia | 1995 |
| The Army Commendation Medal Ft. Eustis, Virginia | 1996 |
| The Army Achievement Medal Tripler Army Medical Center Hawaii | 2000 |
| Meritorious Service Medal Ft. Stewart, GA | 2004 |

Undergraduate:

General MacArthur “Cadet of the Year” Award
 President’s Award – most outstanding senior athlete
 Anne Seignious Award – most outstanding football leadership award
 Football Academic All-American (District VIII-2 years)
 Football Academic All-Conference (2 years)
 Captain of the football team
 Departmental Honor Graduate
 Four-year letterman varsity football program

LICENSES/CERTIFICATIONS

| | |
|---|--------------------------|
| American Board of Orthopaedic Surgery | 2002, 2012 |
| Subspecialty Certification in Sports Medicine | 2007, 2012 |
| South Carolina Medical License (#27259) | September 2005 – present |