

# Jacob M. Kirsch, MD

## PROFESSIONAL WORK EXPERIENCE

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**Boston Sports & Shoulder Center**, Boston, MA 09/20-Present  
Attending Physician, Shoulder & Elbow Surgery

## EDUCATION

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**The Rothman Institute at Thomas Jefferson University**, Philadelphia, PA 08/19- 07/20  
Clinical Fellow, Shoulder and Elbow Reconstruction

**University of Michigan**, Ann Arbor, MI 07/14-06/19  
Orthopaedic Surgery Residency

**George Washington University School of Medicine**, Washington, DC 08/10-05/14  
Doctor of Medicine, with Distinction  
Alpha Omega Alpha  
Julius S. Neviasser Award for Excellence in Orthopaedic Surgery

**Franklin & Marshall College**, Lancaster, PA 09/06-05/10  
Bachelor of Arts, Religious Studies  
Magna Cum Laude  
Phi Beta Kappa Honor Society  
Benjamin Rush Honor Society  
Black Pyramid Honor Society

## HONORS & AWARDS

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**Richard J. Hawkins, MD, Award** 06/20  
Awarded for the highest rated oral presentation at ASES 2020  
Fellows' Research Symposium

**Jon K. Sekiya Resident Teaching Award** 06/18  
Awarded to a senior resident who has been the most dedicated to  
educating and guiding his/her peers.

**James D. Baril Educational Endowment Award** 09/17  
Educational travel award for a shoulder rotation at the  
Centre Orthopédique Santy in Lyon, France with Dr. Gilles Walch

**Excellence in Orthopaedic Research Award** 04/17  
**St. Joseph Mercy 23<sup>rd</sup> Annual Research Forum**  
Project: Tranexamic Acid in Shoulder Arthroplasty:  
A Systematic Review and Meta-analysis  
Mentor: Asheesh Bedi, MD

**Resident Research Award** 09/16  
**55<sup>th</sup> Annual Carl E. Badgley Lectureship**  
Project: Return to Sport following Osteochondral Autograft  
Transplantation for Osteochondritis Dissecans of the Capitellum:  
A Systematic Review  
Mentor: Asheesh Bedi, MD

**Best Resident Research Project** 05/16

**St. Joseph Mercy 22<sup>nd</sup> Annual Research Forum**

Project: Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair?

Mentors: Bruce S. Miller, MS, MD and Asheesh Bedi, MD

**Excellence in Orthopaedic Research Award** 05/16

**St. Joseph Mercy 22<sup>nd</sup> Annual Research Forum**

Project: Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair?

Mentors: Bruce S. Miller MS, MD and Asheesh Bedi, MD

**Best Poster Award** 03/16

**AAOS Annual Meeting, Shoulder and Elbow Category**

Project: Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair?

Mentors: Bruce S. Miller, MS, MD and Asheesh Bedi, MD

**OTHER PROFESSIONAL EXPERIENCE**

Peer Review Editor for the Journal of Shoulder and Elbow Surgery	2019-Present
Peer Review Editor for the <i>European Journal of Orthopaedic Surgery and Traumatology</i>	2016-Present
Peer Review Editor for <i>Hand</i>	2015-Present
Editor of Sports E-Curriculum, Department of Orthopaedic Surgery <i>Developed an electronic academic Sports Medicine curriculum</i>	2016-2019
George Washington University Medical School Research Track	2010-2014
Sheikh Zayed Institute for Pediatric Surgical Innovation Research Scholar	June 2011-August 2011

**EXAMINATIONS**

USMLE Step 1 - passed	2012
USMLE Step 2 CS - passed	2013
USMLE Step 2 CK - passed	2013
USMLE Step 3 - passed	2014
ABOS Part 1 – passed	2019

**MEDICAL LICENSURE/CERTIFICATIONS**

Michigan State Medical License (Education Limited)	2014-2019
Michigan State Controlled Substance License	2014-2019
Advance Cardiac Life Support	2014-2020
Pennsylvania State Medical License	2019- 2020
New Jersey State Medical License	2019-2020
Massachusetts State Medical License	2020-Present

**MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

<b>American Shoulder and Elbow Surgeons</b> Fellow Member	July 2019-Present
<b>American Academy of Orthopaedic Surgeons</b> Member	2014-Present
<b>Michigan Orthopaedic Society</b> Resident Member	2015-2019

**TEAM COVERAGE**

<b>University of Michigan Varsity Men's Basketball</b>	2016-2019
<b>High School Football Physician Coverage Coordinator</b> <i>Organized orthopaedic sideline team coverage for multiple local high school football programs</i>	2016-2018
<b>Dexter High School Football, Dexter, MI</b>	2015-2018
<b>Father Gabriel Richard High School Football, Ann Arbor, MI</b>	2015-2018
<b>Pioneer High School Football, Ann Arbor, MI</b>	2015-2018

**GRANT SUPPORT**

<b>University of Michigan Department of Orthopaedic Surgery Research Advisory Council (RAC) Grant</b>	June 2016
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*Award Value: \$25,000*

Co-Investigator and Grant Author

Project: "Simvastatin as a treatment to reduce fibrosis and inflammation and improve contractility following a muscle contusion injury"

Mentor: Asheesh Bedi, MD and Chris Mendias, PhD

**COMPLETED PROJECTS**

1. **Kirsch JM**, Gutman MJ, Patel MS, Rondon A, Ramsey ML, Abboud JA, Williams GR, Namdari S. Low-Dose Aspirin and the Rate of Symptomatic Venous Thromboembolic Complications Following Primary Shoulder Arthroplasty. *Accepted to JSES*.
2. Paclot J, Gasbarro G, **Kirsch JM**, Neyton L. Shoulder hemiarthroplasty after previous pectoralis major transfer for irreparable subscapularis tear: A case report. *JBJS Case Connector*. 2020;10(2)e0332
3. Neyton L, Gossing L, Gasbarro G, **Kirsch JM**. Modified L'Episcopo Tendon Transfer for Isolated Loss of External Rotation. *Journal of Shoulder and Elbow Surgery*. 2020 December; 29(12): 2587-2594.
4. **Kirsch JM**, Namdari S. Rehabilitation After Anatomic and Reverse Shoulder Arthroplasty: A Critical Analysis Review. *JBJS Reviews*. 2020;8(2)e0129. 1-10.
5. Neyton L, **Kirsch JM**, Collotte P, Collin P, Gossing G, Walch G. Mid- to Long Term Follow-up of Shoulder Arthroplasty for Primary Glenohumeral Osteoarthritis in Patients Aged 60 or Under. *Journal of Shoulder and Elbow Surgery*. 2019 September; 28: 1666-1673.
6. **Kirsch JM**, Bakshi N, Ayeni OR, Khan M, Bedi. A Clinical Outcomes and Quality of Literature Addressing Glenohumeral Internal Rotation Deficit: A Scoping Review. *HSS Journal*. 2019. June. 16: 233-241.
7. Bakshi NK, Inclan PM, **Kirsch JM**, Bedi, A, Agresta C, Freehill MT. Current Workload Recommendations in Baseball Pitchers: A Systematic Review. *American Journal of Sports Medicine*. 2020 January, 48(1): 229-241.
8. Bakshi N, Khan M, **Kirsch JM**, Perera E, Rinaldi G, Razdan P, Tigani L, Bedi A. Significant demographic and geographic differences exist in the reporting of superior labrum from anterior to posterior tear literature: A Systematic Review. *JISAKOS*. 2018 August; 0:1-6.
9. **Kirsch JM**, Blum L, Hake ME. "Distal Clavicle Fractures: Open Reduction and Internal Fixation with a Hook Plate. *Journal of Orthopedic Trauma*. 2018 August, 32(8): S2-3.

10. Kay J, **Kirsch JM**, Bakshi N, Ekhtiari S, Horner N, Gichuru M, Khan M, Bedi A. Humeral Retroversion and Capsule Thickening in the Overhead Throwing Athlete: A Systematic Review. *Arthroscopy*. 2018 April; 34(4): 1308-1318.
11. Ekhtiari S, Khan M, **Kirsch JM**, Thornley P, Larson CM, and Bedi A. Most Elite Athletes Return to Competition Following Operative Management of Meniscal Tears: A Systematic Review. *JISAKOS*. 2018 April; 3(2): 110-115.
12. **Kirsch JM**, Burrus T, Bedi A. Common Injuries in Professional Football Quarterbacks. *Current Reviews in Musculoskeletal Medicine*. 2018 March; 11(1): 6-11.
13. **Kirsch JM**, Khan M, Thornley P, Gichuru M, Freehill MT, Nevaizer A, Moravek J, Miller BS, Bedi A. Platform Shoulder Arthroplasty: A Systematic Review. *Journal of Shoulder and Elbow Surgery*. 2018 April; 27(4): 756-763.
14. **Kirsch JM**, Bedi A, Horner N, Wiater JM, Pauzenberger L, Koueiter D, Miller BS, Bhandari M, Khan M. Tranexamic Acid in Shoulder Arthroplasty: A Systematic Review and Meta-analysis. *Journal of Bone and Joint Surgery Reviews*. 2017 September 5(9): 1-11.
15. Burke MC, Minnock C, Robbins CB, Abbott MD, Caird MS, Farley FA, **Kirsch JM**, Thomas JR, Li GY. Intraobserver and Interobserver Reliability of Radiographic Analysis of Pediatric Proximal Humerus Physeal Fractures. *Journal of Pediatric Orthopedics*. 2019 February; 39(2): e125-129.
16. **Kirsch JM**, Thomas JR, Kahn, M, Townsend W, Lawton JN, Bedi A. Return to Sport Following Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Capitellum: A Systematic Review. *Arthroscopy*. 2017 July; 33(7): 1412-1420.
17. **Kirsch JM**, Nathani A, Robbins C, Gagnier J, Bedi A and Miller BS. Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair? *Orthopaedic Journal of Sports Medicine*. 2017 Apr 18;5(4): 1-6.
18. **Kirsch JM**, Khan M, Bedi A. Does Hip Arthroscopy Have a Role in the Treatment of Developmental Hip Dysplasia? *Journal of Arthroplasty*. 2017 Sep; 32(9S):S28-S31.
19. Hake ME, Etscheidt J, Chadayammuri V, **Kirsch JM**, Mauffrey C. Age and Dressing Type as Independent Predictors of Postoperative Infection in Patients with Acute Compartment Syndrome of the Lower Leg. *International Orthopaedics (SICOT)*. *Published Ahead of Print on 2017 July 20*.
20. **Kirsch JM**, Lee S, Lawton JN. “Upper Extremity Compartment Syndromes.” *Scientific American Plastic Surgery*, 11/2016, <https://www.deckerip.com/products/scientific-american-surgery>, 2016
21. **Kirsch JM**, Thomas JR, Bedi A, Lawton JN. Current Concepts: Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Capitellum. *American Association of Hand Surgery- HAND*. 2016 Dec; 11(4): 396-402.
22. **Kirsch JM**, Nathani A, Patel RD. Multiple Adjacent Isolated Thoracic Spinous Process Fractures in High-Energy Trauma. *Case Reports In Orthopaedics*. 2015 June, 1-3.
23. **Kirsch JM**, Rosenberg AE, O’Hara BJ, Abraham AJ. Aggressive Tibial Lesion in a 70-year-old man. *Clin Orthop Relat Res*. 2014 Aug;472(8):2555-60

24. Walk RM, Snyder JA, Srinivasan P, **Kirsch JM**, et al. Cold atmospheric plasma for the ablative treatment of neuroblastoma. *Journal of Pediatric Surgery*. 2013;48:67-73.

### ACTIVE/ONGOING PROJECTS

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1. Gutman MJ, Gutman BS, **Kirsch JM**, Joyce C, Namdari C. Performance in Major League Baseball Pitchers After Surgical Treatment of Thoracic Outlet syndrome. *Submitted*.
2. Singh AM, **Kirsch JM**, Patel MS, Gutman M, Harper T, Lazarus MD, Horneff JG, Voskeridjian A, Abboud JA. "Effect of Preoperative and Postoperative Doses of Acetaminophen on Pain Management in Patients Undergoing Rotator Cuff Repair: A Prospective Randomized Study. *In Progress*
3. **Kirsch JM**, Patel MS, Hill BW, McPartland C, Namdari S, Lazarus MD. Preoperative Single Assessment Numeric Evaluation Score Predicts Poor Outcome Following Reverse Shoulder Arthroplasty for Massive Rotator Cuff Tears without Arthritis. *In progress*
4. **Kirsch JM**, Patel MS, Gutman MJ, McEntee R, Alberta F, Ramsey ML, Abboud JA, Namdari S. Is the Single Assessment Numeric Evaluation a Reliable Outcome Metric for Common Elbow pathology? *In Progress*
5. Nicholson T, **Kirsch JM**, Churchill R, Abboud JA, Lazarus MD, Namdari S. The Effect of Tranexamic Acid for Visualization on pump pressure and visualization during Arthroscopic Rotator Cuff Repair: a blinded, randomized controlled trial. *In progress*
6. **Kirsch JM**, Patel MS, Singh A, Lazarus MD, Williams GR, Namdari S. Early Clinical and Radiographic Outcomes of an Augmented Baseplate in Reverse Shoulder Arthroplasty for Glenohumeral Arthritis with Glenoid Deformity. *In progress*
7. DeBernardis DA, Santoro AJ, **Kirsch JM**, Cheesman QT, Alberta F, Austin LS. Arthroscopic Debridement of Primary Elbow Osteoarthritis: 5-Year Outcomes. *In progress*.
8. DeBernardis DA, Minissale, N, **Kirsch JM**, Cheesman QT, Antonacci, CL, Alberta F, Austin LS. Arthroscopic Debridement of Post-Traumatic Arthritis of the Elbow: 5-Year Outcomes. *In progress*.
9. Gutman MJ, Joyce C, **Kirsch JM**, Williams GR. Factors associated with functional improvement after augmented total shoulder arthroplasty. *In progress*
10. Stenson J, **Kirsch JM**, Cheesman QT, Alberta F, Austin LS. Arthroscopic Debridement of the Elbow in Baseball players: 5-year outcomes. *In progress*
11. Gutman MJ, Joyce C, **Kirsch JM**, Patel MS, Namdari S, Ramsey ML. Does early repair improve outcomes in traumatic rotator cuff tears? *In progress*
12. Hill BW, Churchill R, Carducci M, Joyce CD, **Kirsch JM** et al. Accuracy of Magnetic Resonance Imaging Compared with Computed Tomography for Glenoid Version when the medial border of the Scapula is not visualized. *In progress*
13. Gutman MJ, **Kirsch JM**, Abboud JA. Midterm Outcomes of Suture Anchor Fixation for Displaced Olecranon Fractures. *In Progress*
14. Zhu XM, Ben-David E, Dennis B, **Kirsch JM**, Khan M. A Meta-analysis of Level I Evidence Comparing Tenotomy versus Tenodesis in the Management of Long Head of Biceps Pathology. *In progress*
15. Shanmugaraj A, Sakha S, Tejpal T, Leroux T, **Kirsch JM**, Khan M. Revision Arthroscopic Bankart Repair for Anterior Shoulder Instability After A Failed Arthroscopic Soft-Tissue Repair Yields Low Failure Rates: A Systematic Review. *In Progress*.

### ABSTRACTS

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1. **Kirsch JM**, Nathani A, Robbins C, Gagnier J, Bedi A and Miller BS. Is There an Association Between the "Critical Shoulder Angle" and Clinical Outcome after Rotator Cuff Repair? *Orthopaedic Journal of Sports Medicine*. 2016; 4(7).

### BOOK CHAPTERS

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1. Williams GR, **Kirsch JM**. "The Basics of Total Shoulder Arthroplasty for the Generalist". ICL volume 70. *Submitted, In Publication*.
2. **Kirsch JM**, Ramsey ML. Complications of Distal Biceps Repair. "The Management of Biceps Pathology: A Clinical Guide from the Shoulder to the Elbow." *Submitted, In Publication*
3. Freehill MT, **Kirsch JM**, Sugaya H, Warner JP. Superior Labral Tears and Throwing Shoulder Injuries. "Evidence-Based Orthopaedics." *Submitted, In Publication*
4. **Kirsch JM** and Freehill MT. Subpectoral Biceps Tenodesis. Book chapter in "Rotator Cuff Across the Life Span: ISAKOS Consensus Book." Springer, Berlin, Heidelberg, 2019. 241-249.
5. **Kirsch JM** and Freehill MT. Subpectoral Biceps Tenodesis with All Suture Anchor Approach. Book Chapter in "Video Atlas of Arthroscopic Rotator Cuff Repair." *Submitted, In Publication*
6. **Kirsch JM**, Bakshi N, Khan M, Bedi A. Chapter 18: Superior Capsular Reconstruction. Book Chapter in the book "Master Techniques in Orthopaedic Surgery: Sports Medicine, 2nd Edition." Philadelphia: Wolters Kluwer, 2020. 231-246
7. **Kirsch JM**, Freehill MT. Chapter 22: Proximal Humerus Fractures: Hemiarthroplasty vs. Reverse Shoulder Arthroplasty. "The University of Michigan's Guide to Upper Extremity Fracture Surgery." Philadelphia: Wolters Kluwer, 2020.
8. **Kirsch JM**, Lawton JN. Chapter 17: Isolated Articular Fractures of the Distal Humerus. "The University of Michigan's Guide to Upper Extremity Fracture Surgery." Philadelphia: Wolters Kluwer, 2020.
9. Lee S, Bakshi N, **Kirsch JM**, Sekiya J, Bedi A. Chapter 48: Labrum: Debridement or Reconstruction. Book Chapter in the book "Master Techniques in Orthopaedic Surgery: Sports Medicine, 2nd Edition." Philadelphia: Wolters Kluwer, 2020. 613-626.
10. **Kirsch JM**, Dines JS, Bedi A. Convertible Humeral Stem: Anatomic to Reverse Arthroplasty. Chapter 60 in the book "Shoulder Surgery: Tricks of the Trade." 1<sup>st</sup> edition, Thieme, 2019.
11. **Kirsch JM**, Khan M, Bedi A. Chapter 45: "Anterolateral Ligament Reconstruction." Illustrated Tips and Tricks in Sports Medicine Surgery. Philadelphia: Wolters Kluwer, 2018. 371-380.
12. **Kirsch JM**, Nathani A, Hake M. Distal Femur Fractures. Book Chapter in the Book "Tips and Tricks in Orthopaedic Trauma: A Case Based Approach." 2017. 174-191.
13. **Kirsch JM**, Tannenbaum EP, Lawton JN. "Dorsal Plating for Distal Radius Fractures." Distal Radius Fractures: A Clinical Casebook. Vol. 1. Switzerland: Springer, 2016. 57-70.

## SCIENTIFIC EXHIBITS

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1. **Kirsch JM**, Mlynarek RA, Nathani A, Dines JS, Warner JP, Walch G, Bedi A. What is the role of computer-assisted 3D modeling for preoperative planning of shoulder arthroplasty? American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, California. March 14-19, 2017.
2. Merolla G, Sperling JW, Sanchez-Sotelo J, Duquin TR, Moroder P, Antuna SA, **Kirsch JM**, Walch G, Porcellini G, Paladini P. From the Grammont Prosthesis to the Contemporary Reverse Shoulder Arthroplasty: Evolution of the Design of Reverse Total Shoulder Arthroplasty. Accepted for presentation at the American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, Nevada. March 12-16, 2019

## VIDEO PRESENTATIONS

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1. **Kirsch JM**, Blum L, Hake ME. Distal Clavicle Fracture: ORIF with a Hook Plate. OTA Video Showcase. Presented at the Annual Orthopaedic Trauma Association Meeting. Vancouver, Canada. September 10-14, 2017.
2. **Kirsch JM**, Finney FT, Hake ME, Perdue AM. Posterior Approach to the Shoulder. Orthopaedic Trauma Association, Online Video Technique Library. *Accepted on August 8, 2017.*
3. **Kirsch JM**, Conlan TK, Hake ME. Subtrochanteric intramedullary nailing using a Piriformis entry in the lateral position. Orthopaedic Theater Video Presentation. American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, California. March 14-19, 2017.

## PRESENTATIONS AND POSTERS

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1. Gutman MJ, Joyce C, **Kirsch JM**, Patel MS, Namdari S, Ramsey ML. Does early repair improve outcomes in traumatic rotator cuff tears? Live Podium Presentation at the 2020 ASES Virtual Annual Meeting. October 2<sup>nd</sup> 2020.
2. **Kirsch JM**, Gutman MJ, Patel MS, Rondon A, Ramsey ML, Abboud JA, Williams GR, Namdari S. Low-Dose Aspirin and the Rate of Symptomatic Venous Thromboembolic Complications Following Primary Shoulder Arthroplasty. Pre-recorded Narrated Paper, presented at the 2020 ASES Virtual Annual Meeting.
3. Singh AM, **Kirsch JM**, Patel MS, Gutman M, Harper T, Lazarus MD, Horneff JG, Voskeridjian A, Abboud JA. "Effect of Preoperative and Postoperative Doses of Acetaminophen on Pain Management in Patients Undergoing Rotator Cuff Repair: A Prospective Randomized Study. Pre-recorded Narrated Paper, presented at the 2020 ASES Virtual Annual Meeting.
4. **Kirsch JM**, Patel MS, Singh A, Lazarus MD, Williams GR, Namdari S. Early Clinical and Radiographic Outcomes of an Augmented Baseplate in Reverse Shoulder Arthroplasty for Glenohumeral Arthritis with Glenoid Deformity. Electronic Poster, presented at the 2020 ASES Virtual Annual Meeting.
5. Nicholson T, **Kirsch JM**, Churchill R, Abboud JA, Lazarus MD, Namdari S. The Effect of Tranexamic Acid for Visualization on pump pressure and visualization during Arthroscopic Rotator Cuff Repair: a blinded, randomized controlled trial. Electronic Poster, presented at the 2020 ASES Virtual Annual Meeting.
6. Hill BW, Churchill R, Carducci M, Joyce CD, **Kirsch JM** et al. Accuracy of Magnetic Resonance Imaging Compared with Computed Tomography for Glenoid Version when the medial border of the Scapula is not visualized. Electronic Poster, presented at the 2020 ASES Virtual Annual Meeting.
7. **Kirsch JM**, Patel MS, Singh A, Lazarus MD, Williams GR, Namdari S. Early Clinical and Radiographic Outcomes of an Augmented Baseplate in Reverse Shoulder Arthroplasty for Glenohumeral Arthritis with Glenoid Deformity. Podium Presentation at the 2020 American Shoulder and Elbow Surgeons Fellows' Symposium. June 20<sup>th</sup>, 2020.
8. **Kirsch JM** Neyton L, Collotte P, Gossing L, Walch G. Mid- to Long Term Follow-up of Shoulder Arthroplasty for Primary Glenohumeral Osteoarthritis in Patients Younger than 60. Accepted for Poster presentation at the American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, Nevada. March 12-16, 2019.

9. Neyton L, **Kirsch JM**, Collotte P, Gossing L, Walch G. Arthroplasty for Primary Arthritis in Patients Younger than 60. Podium presentation at the Nice Shoulder Course; Nice, France. June 2, 2018.
10. Colotte P, **Kirsch JM**, Walch G. Reverse Shoulder Arthroplasty with an Eccentric Glenosphere in Patients Younger than 60. Podium presentation at the Nice Shoulder Course; Nice, France. June 2, 2018.
11. **Kirsch JM**, Bedi A, Horner N, Wiater JM, Pauzenberger L, Koueiter D, Miller BS, Bhandari M, Khan M. Tranexamic Acid in Shoulder Arthroplasty: A Systematic Review and Meta-analysis. Poster presentation at the 1<sup>st</sup> Annual Musculoskeletal Health Symposium, University of Michigan, May 8, 2017.
12. **Kirsch JM**, Khan M, Thornley P, Gichuru M, Freehill MT, Nevaizer A, Moravek J, Miller BS, Bedi A. Convertible Shoulder Arthroplasty: A Systematic Review. Poster presentation at the 1<sup>st</sup> Annual Musculoskeletal Health Symposium, University of Michigan, May 8, 2017.
13. Minnock C, Burke MC, Robbins CB, Abbott MD, Caird MS, Farley FA, **Kirsch JM**, Thomas JR, Li GY. Intraobserver and Interobserver Reliability of Radiographic Analysis of Pediatric Proximal Humerus Physeal Fractures. Poster presentation at the 1<sup>st</sup> Annual Musculoskeletal Health Symposium, University of Michigan, May 8, 2017.
14. Etscheidt J, Hake M, Vivek Chadayammuri, **Kirsch JM**, Cyril Mauffrey. Age and Dressing Type as Independent Predictors of Postoperative Infection in Patients with Acute Compartment Syndrome of the Lower Leg. Poster Presentation at Mid-America Orthopaedic Association, 35<sup>th</sup> Annual Meeting, Amelia Island, FL, April 19-23, 2017.
15. **Kirsch JM**, Bedi A, Horner N, Wiater JM, Pauzenberger L, Koueiter D, Miller BS, Bhandari M, Khan M. Tranexamic Acid in Shoulder Arthroplasty: A Systematic Review and Meta-analysis. Podium Presentation presented at St. Joseph Mercy Annual Research Forum, April 18, 2017.
16. **Kirsch JM**, Thomas JR, Kahn, M, Townsend W, Lawton JN, Bedi A. Return to Sport following Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Capitellum: A Systematic Review. E-Poster presentation at the 11<sup>th</sup> Biennial ISAKOS Congress, Shanghai, China. June 4-8, 2017.
17. **Kirsch JM**, Thomas JR, Kahn, M, Townsend W, Lawton JN, Bedi A. Return to Sport following Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Capitellum: A Systematic Review. Poster presentation at the 55<sup>th</sup> Annual Badgley Day Lectureship, University of Michigan, September 6, 2016.
18. **Kirsch JM**, Nathani A, Robbins C, Gagnier J, Bedi A and Miller B. The Association Between the “Critical Shoulder Angle” and Clinical Outcomes 2-Years Following Rotator Cuff Repair, Podium presentation at the AOSSM Annual Meeting, Colorado Springs, CO. July 9, 2016
19. Etscheidt J, Hake ME, Chadayammuri V, **Kirsch JM**, Mauffrey C. Age and Dressing Type as Independent Predictors of Postoperative Infection in Patients with Acute Compartment Syndrome of the Lower Leg. Poster Presentation at The Mid-America Orthopaedic Association Annual Meeting; April 19-23, 2017; Amelia Island, FL
20. **Kirsch JM**, Nathani A, Robbins C, Gagnier J, Bedi A and Miller B. Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair?, Poster presentation at the AAOS Annual Meeting, Orlando, FL, March 1-5, 2016.



21. **Kirsch JM**, Nathani A, Robbins C, Gagnier J, Bedi A and Miller B. Is There an Association Between the “Critical Shoulder Angle” and Clinical Outcome after Rotator Cuff Repair?, Poster presentation at the Orthopaedic Research Society Annual Meeting, Orlando, FL, March 6, 2016.
22. Nathani A, **Kirsch JM**, Weber AE, Burns G, Eslam-Pour A, Urquhart AG, Henning PT. The validity of ultrasound to evaluate the articularis Genus muscle: A cadaver study. Poster session presented at The Michigan Orthopaedic Society; 2014 June 20; Mackinac Island, MI

## LECTURES

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1. Abboud and **Kirsch JM**. “My Experience with the Infected Shoulder Arthroplasty.” 11<sup>th</sup> Annual Rome Shoulder Course. Rome, Italy. February 21<sup>st</sup>, 2020.
2. Abboud and **Kirsch JM**. “Challenging Cases: Revision Shoulder Arthroplasty.” 11<sup>th</sup> Annual Rome Shoulder Course. Rome, Italy. February 21<sup>st</sup>, 2020.
3. Abboud JA and **Kirsch JM**. “Shoulder Procedures I did in Fellowship that I no longer do.” New England Shoulder and Elbow Society Annual Meeting. Jay Peak, Vermont. February 8<sup>th</sup>, 2020.
4. Abboud JA and **Kirsch JM**. “Augmented Glenoid Components in Total Shoulder Arthroplasty.” Orthopedics Today Hawaii. Koloa, Hawaii, January 16<sup>th</sup>, 2020.
5. Abboud JA and **Kirsch JM**. “Bundled Payments.” Presented at ICJR 8<sup>th</sup> Annual Shoulder Course. Las Vegas, Nevada. November 15<sup>th</sup>, 2019.
6. Abboud JA and **Kirsch JM**. “When to Address the Glenoid, Glenoid Component Design and Glenohumeral Radial Mismatch.” Presentation at 5<sup>th</sup> Biennial Hip and Shoulder Symposium. Tel Aviv, Israel. October 22<sup>nd</sup>, 2019.
7. **Kirsch JM** and Walch G. “The Role of 3-D Templating and BIO-RSA for Glenoid Bone Loss.” Instructional Course Lecture. European Society for Surgery of the Shoulder and Elbow. Geneva, Switzerland. September 22, 2018.
8. **Kirsch JM**, Miller JD, Miller BM, Bedi A. “Superior Capsular Reconstruction: The next big thing in shoulder surgery?” Grand Rounds. University of Michigan, Department of Orthopaedic Surgery, April 13, 2017.
9. **Kirsch JM**. “Osteochondritis Dissecans.” Presentation at the 55<sup>th</sup> Annual Badgley Day Lectureship, University of Michigan, September 6, 2016.
10. **Kirsch JM**, Ozer K, Lawton JN. “Osteochondritis Dissecans of the Capitellum: What is the Role of Osteochondral Autograft Transplantation?” Grand Rounds. University of Michigan, Department of Orthopaedic Surgery March 17, 2016.

## ACKNOWLEDGEMENTS

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1. Freehill MT. “Subpectoral Biceps Tenodesis.” Produced video for AOSSM Surgical Skills Course, “The Cutting Edge 2017: Arthroscopic and Open Shoulder Techniques in the Athlete’s Shoulder.” Rosemont, IL, October 13-14, 2017.
2. Freehill MT. “Arthroscopic Latarjet Revisited.” Produced video for AOSSM Surgical Skills Course, “The Cutting Edge 2017: Arthroscopic and Open Shoulder Techniques in the Athlete’s Shoulder.” Rosemont, IL, October 13-14, 2017.

3. Freehill MT. "Subpectoral Biceps Tenodesis. Produced video for instructional course lecture, presented at the Annual AOSSM meeting, Toronto, ON, Canada, July 20, 2017
4. Freehill MT. "Distal Biceps Injuries." Produced video for instructional course lecture, presented at the Annual ISAKOS meeting, Shanghai, China, June 6, 2017.
5. Freehill MT, Noonan TJ, Provencher MT, Ryu RKN. "The Holy Grail: Can We Successfully Treat the Overhead Athlete? Expert Advice and Experience." Produced video for instructional course lecture 102, presented at the Annual AANA meeting, Denver, CO, May 18-20, 2017.