

# Stanford

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## Marc R. Safran, MD

Professor of Orthopaedic Surgery at the Stanford University Medical Center

### CLINICAL OFFICES

- **Stanford Sports Medicine Clinic**

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Redwood City, CA 94063

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Janet Lockshin - Administrative Assistant

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### Bio

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### CLINICAL FOCUS

- Orthopaedic Surgery
- Sports Medicine
- Hip Arthroscopy
- Elbow Surgery
- Ligament Reconstruction
- Knee Surgery
- Knee Arthroscopy
- Shoulder Surgery
- Shoulder Dislocation
- Hip Impingement
- Labral Tears
- Shoulder Impingement Syndrome
- Thrower's Shoulder
- Thrower's Elbow
- Knee Injuries
- Elbow Arthroscopy
- Arthroscopy

### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Orthopaedic Surgery
- Member, Bio-X

### ADMINISTRATIVE APPOINTMENTS

- Board Member, Chair Council of Delegates, American Orthopaedic Society for Sports Medicine, (2012-2014)
- Past President, International Society for Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS), (2017-2019)
- Past President, International Society for Hip Arthroscopy (ISHA), (2015-2016)
- Chief Orthopaedic Consultant, Women's Tennis Association (WTA), (2011- present)

### HONORS AND AWARDS

- American Heart Association Student Research Fellowship, American Heart Association (1982)
- Honor Student Society, UC Berkeley (1979-1983)
- Magna Cum Laude, UC Berkeley (1983)

- Best Resident's Paper, 3RD Place, Am. Acad. Ped., Orthop. Section (1990)
- Best Resident's Paper, 1ST Place, Western Orthopaedic Association (1993)
- Best Clinical Science Fellow's Paper, 1ST Place, University of Pittsburgh (1994)
- American College of Sports Medicine (ACSM) Clinical Exchange Scholar, American College of Sports Medicine (ACSM) (2001)
- American Orthopaedic Society for Sports Medicine (AOSSM) International Traveling Fellow, American Orthopaedic Society for Sports Medicine (AOSSM) (2002)
- Irving Glick Award, Physician of the Year, Sanex WTA Tour (2001)
- Guest Reviewer, Aircast Foundation Granting Board (2004)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- President, International Society for Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (2017 - 2019)
- Vice President, International Society for Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (2013 - 2017)
- Vice President, International Society of Hip Arthroscopy (2014 - 2015)
- President, International Society of Hip Arthroscopy (2015 - 2016)
- Editorial Board, American Journal of Sports Medicine (2002 - present)
- Deputy Editor, Journal of Hip Preservation Surgery (2014 - present)
- Board Member, Chair, Council of Delegates, American Orthopaedic Society for Sports Medicine (2012 - 2014)

## **PROFESSIONAL EDUCATION**

- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (2017)
- Internship: UCLA Registrar (1988) CA
- Fellowship: University of Pittsburgh (1994) PA
- Board Certification: Sports Medicine, American Board of Orthopaedic Surgery (2007)
- Medical Education: Duke University School of Medicine (1987) NC
- MD, University of Pittsburgh , Sports Med. & Shoulder Surgery (1994)
- MD, UCLA , Orthopaedic Surgery (1993)
- M.D., Duke University (1987)

## **COMMUNITY AND INTERNATIONAL WORK**

- Evaluation of Hip Kinematic in Cadaver Model, Stanford
- PreOp 3D Computer Simulation Improve Clinical Outcomes of Arthroscopic Surgery for FAI, Stanford, London

## **LINKS**

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Dr. Safran is the Chief of the Division of Sports Medicine and Fellowship Director of Sports Medicine, Professor of Orthopaedic Surgery. Dr. Safran specializes in Sports Medicine and arthroscopic and ligament reconstructive surgery on the shoulder, elbow, hip and knee. He is a diplomat at the American Board of Orthopaedic Surgery and member of such prestigious societies such as: The American Orthopaedic Society for Sports Medicine, the ACL Study Group, the American Shoulder and Elbow Surgeons Society, the Herodicus Society, the Multicenter of Arthroscopic Hip Surgery Outcomes Research Network, the Multicenter Orthopaedic Outcomes Network, and the Society of Tennis Medicine and Science in addition to the American College of Sports Medicine. Dr. Safran's practice focuses on arthroscopic

management of hip problems as well as articular cartilage regeneration, shoulder surgery and athletic shoulder and elbow problems. He is actively involved in research in these areas. Dr. Safran graduated from the University of California, Berkeley; Medical School was at Duke University; Residency at University of California, Los Angeles; and Sports Medicine and Shoulder Surgery Fellowship from the University of Pittsburgh. He has served as a team physician for many collegiate teams since 1993, in addition to being actively involved with professional tennis and as a consultant for the NBA Players Association and NHL Players Association. Dr. Safran has authored or co-authored more than 200 scientific articles, 75 book chapters and seven books on sports medicine as it relates to the shoulder, elbow, knee, hip as well as tennis injuries and biomechanics cartilage research. Prior to coming to Stanford in the Spring of 2007, Dr. Safran has been in different practices, including being the Chief of Sports Medicine at the University of California, San Francisco (UCSF), where he also served as a team physician for the University of California, Berkeley. He is on the editorial board of many journals, including the American Journal of Sports Medicine, Journal of Hip Preservation Surgery and the Journal of ISAKOS.

## PROJECTS

- Does PreOperative 3D Computer Simulation Improve Clinical Outcomes of Arthroscopic Surgery for FAI - Stanford University and London, England (June 30, 2013 - 12/31/2015)
- Evaluation of Hip Kinematic in Cadaver Model - Stanford University and Rizzoli Institute, Bologna, Italy (2007 - 2007)

## Publications

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### PUBLICATIONS

- **Contributions of the Capsule and Labrum to Hip Mechanics in the Context of Hip Microinstability** *ORTHOPAEDIC JOURNAL OF SPORTS MEDICINE*  
Johannsen, A. M., Ejnisman, L., Behn, A. W., Shibata, K., Thio, T., Safran, M. R.  
2019; 7 (12)
- **The evolution of femoroacetabular impingement surgical management as a model for introducing new surgical techniques.** *Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA*  
Ohlin, A., Coughlin, R. P., Ahlden, M., Samuelsson, K., Malchau, H., Safran, M. R., Ayeni, O. R., Sansone, M.  
2019
- **The Role of Anterior Capsular Laxity in Hip Microinstability A Novel Biomechanical Model** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Johannsen, A. M., Behn, A. W., Shibata, K., Ejnisman, L., Thio, T., Safran, M. R.  
2019; 47 (5): 1151–58
- **The Role of Anterior Capsular Laxity in Hip Microinstability: A Novel Biomechanical Model.** *The American journal of sports medicine*  
Johannsen, A. M., Behn, A. W., Shibata, K., Ejnisman, L., Thio, T., Safran, M. R.  
2019: 363546519827955
- **International Expert Consensus on a Cell Therapy Communication Tool: DOSES.** *The Journal of bone and joint surgery. American volume*  
Murray, I. R., Chahla, J., Safran, M. R., Krych, A. J., Saris, D. B., Caplan, A. I., LaPrade, R. F.  
2019; 101 (10): 904–11
- **Microinstability of the Hip-Gaining Acceptance** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*  
Safran, M. R.  
2019; 27 (1): 12–22
- **Hip Arthroscopy - State of the Art in 2018** *SPORTS MEDICINE AND ARTHROSCOPY REVIEW*  
Nathani, A., Safran, M. R.  
2018; 26 (4): 185–89
- **Hip Arthroscopy - State of the Art in 2018.** *Sports medicine and arthroscopy review*  
Nathani, A., Safran, M. R.  
2018; 26 (4): 185–89
- **Knotless Anchors in Acetabular Labral Repair: A Biomechanical Comparison.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*  
Safran, M. R., Behn, A. W., Botser, I. B., Mardones, R.  
2018

- **Microinstability of the Hip-Gaining Acceptance.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Safran, M. R.  
2018
- **The Cliff Sign: A New Radiographic Sign of Hip Instability** *ORTHOAEDIC JOURNAL OF SPORTS MEDICINE*  
Packer, J. D., Cowan, J. B., Rebolledo, B. J., Shibata, K. R., Riley, G. M., Finlay, A. K., Safran, M. R.  
2018; 6 (11): 2325967118807176
- **Surgical Decision Making for Acetabular Labral Tears: An International Perspective** *ORTHOAEDIC JOURNAL OF SPORTS MEDICINE*  
Herickhoff, P., Safran, M.  
2018; 6 (9): 2325967118797324
- **There Is a Significant Discrepancy Between "Big Data" Database and Original Research Publications on Hip Arthroscopy Outcomes: A Systematic Review** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Sochacki, K. R., Jack, R. A., Safran, M. R., Nho, S. J., Harris, J. D.  
2018; 34 (6): 1998–2004
- **Biologics in hip preservation** *ANNALS OF JOINT*  
Ejnisman, L., Safran, M. R.  
2018; 3 (6)
- **Arthroscopic Hip Surgery in the Elite Athlete: Comparison of Female and Male Competitive Athletes**  
Shibata, K. R., Matsuda, S., Safran, M. R.  
SAGE PUBLICATIONS INC.2017: 1730–39
- **Complication Rates for Hip Arthroscopy Are Underestimated: A Population-Based Study.** *Arthroscopy*  
Truntzer, J. N., Hoppe, D. J., Shapiro, L. M., Abrams, G. D., Safran, M.  
2017
- **Hip Arthroscopy in Patients Age 40 or Older: A Systematic Review** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Horner, N. S., Ekhtiari, S., Simunovic, N., Safran, M. R., Philippon, M. J., Ayeni, O. R.  
2017; 33 (2): 464–U562
- **Cyclic and Load to Failure Properties of All-Suture Anchors in Synthetic Acetabular and Glenoid Cancellous Bone.** *Arthroscopy*  
Douglass, N. P., Behn, A. W., Safran, M. R.  
2017
- **Evaluation of the sealing function of the acetabular labrum: an in vitro biomechanical study.** *Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA*  
Signorelli, C., Bonanzinga, T., Lopomo, N., Zaffagnini, S., Marcacci, M., Safran, M.  
2017; 25 (1): 62-71
- **Hip arthroscopic capsulotomy techniques and capsular management strategies: a systematic review** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*  
Ekhtiari, S., de Sa, D., Haldane, C. E., Simunovic, N., Larson, C. M., Safran, M. R., Ayeni, O. R.  
2017; 25 (1): 9–23
- **Is there a distinct pattern to the acetabular labrum and articular cartilage damage in the non-dysplastic hip with instability?** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*  
Shibata, K. R., Matsuda, S., Safran, M. R.  
2017; 25 (1): 84-93
- **Hip instability treated with arthroscopic capsular plication** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*  
Kalisvaart, M. M., Safran, M. R.  
2017; 25 (1): 24-30
- **Magnetic Resonance Imaging of Asymptomatic Knees in Collegiate Basketball Players: The Effect of One Season of Play.** *Clinical journal of sport medicine*  
Pappas, G. P., Vogelsong, M. A., Staroswiecki, E., Gold, G. E., Safran, M. R.  
2016; 26 (6): 483-489

- **Arthroscopic Shoulder Surgery in Female Professional Tennis Players: Ability and Timing to Return to Play.** *Clinical journal of sport medicine*  
Young, S. W., Dakic, J., Stroia, K., Nguyen, M. L., Safran, M. R.  
2016: -?
- **Biomechanical Implications of Corrective Surgery for FAI: An Evidence-based Review** *SPORTS MEDICINE AND ARTHROSCOPY REVIEW*  
Sampson, J. D., Safran, M. R.  
2015; 23 (4): 169-173
- **The etiology of primary femoroacetabular impingement: genetics or acquired deformity?** *JOURNAL OF HIP PRESERVATION SURGERY*  
Packer, J. D., Safran, M. R.  
2015; 2 (3): 249-57
- **High Incidence of Infrapinatus Muscle Atrophy in Elite Professional Female Tennis Players** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Young, S. W., Dakic, J., Stroia, K., Nguyen, M. L., Harris, A. H., Safran, M. R.  
2015; 43 (8): 1989-1993
- **Microinstability of the hip-it does exist: etiology, diagnosis and treatment** *JOURNAL OF HIP PRESERVATION SURGERY*  
Kalisvaart, M. M., Safran, M. R.  
2015; 2 (2): 123-35
- **Biochemical and Cellular Assessment of Acetabular Chondral Flaps Identified During Hip Arthroscopy** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Hariri, S., Truntzer, J., Smith, R. L., Safran, M. R.  
2015; 31 (6): 1077-1083
- **Femoral Neck Stress Fractures and Imaging Features of Femoroacetabular Impingement** *PM&R*  
Goldin, M., Anderson, C. N., Fredericson, M., Safran, M. R., Stevens, K. J.  
2015; 7 (6): 584-592
- **RESTORATION OF THE SEAL FUNCTION OF THE ACETABULAR LABRUM: IN VITRO STUDY** *JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY*  
Signorelli, C., Lopomo, N., Colle, F., Bontempi, M., Visani, A., Zaffagnini, S., Marcacci, M., Safran, M. R.  
2015; 15 (2)
- **Hip Range of Motion and Association With Injury in Female Professional Tennis Players** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Young, S. W., Dakic, J., Stroia, K., Nguyen, M. L., Harris, A. H., Safran, M. R.  
2014; 42 (11): 2654-2658
- **A quantitative assessment of the insertional footprints of the hip joint capsular ligaments and their spanning fibers for reconstruction** *CLINICAL ANATOMY*  
Telleria, J. J., Lindsey, D. P., Giori, N. J., Safran, M. R.  
2014; 27 (3): 489-497
- **Ischiofemoral impingement of the hip: a novel approach to treatment** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*  
Safran, M., Ryu, J.  
2014; 22 (4): 781-785
- **Biomechanical analysis of three tennis serve types using a markerless system.** *British journal of sports medicine*  
Abrams, G. D., Harris, A. H., Andriacchi, T. P., Safran, M. R.  
2014; 48 (4): 339-342
- **Arthroscopic Management of Protrusio Acetabuli** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Safran, M. R., Epstein, N. P.  
2013; 29 (11): 1777-1782
- **ACL Reconstruction in Patients Aged 40 Years and Older A Systematic Review and Introduction of a New Methodology Score for ACL Studies** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Brown, C. A., McAdams, T. R., Harris, A. H., Maffulli, N., Safran, M. R.  
2013; 41 (9): 2181-2190

- **Applications of computer navigation in sports medicine knee surgery: an evidence-based review.** *Current reviews in musculoskeletal medicine*  
Young, S. W., Safran, M. R., Clatworthy, M.  
2013; 6 (2): 150-157
- **Risk of sciatic nerve traction injury during hip arthroscopy—is it the amount or duration? An intraoperative nerve monitoring study.** *journal of bone and joint surgery. American volume*  
Telleria, J. J., Safran, M. R., Harris, A. H., Gardi, J. N., Glick, J. M.  
2012; 94 (22): 2025-2032
- **Arthroscopic Rotator Cuff Repair-Traditional Anchor Techniques** *OPERATIVE TECHNIQUES IN SPORTS MEDICINE*  
Cheung, E. V., Safran, M. R.  
2012; 20 (3): 213-219
- **The Development and Validation of a Self-Administered Quality-of-Life Outcome Measure for Young, Active Patients With Symptomatic Hip Disease: The International Hip Outcome Tool (iHOT-33)** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Mohtadi, N. G., Griffin, D. R., Pedersen, M. E., Chan, D., Safran, M. R., Parsons, N., Sekiya, J. K., Kelly, B. T., Werle, J. R., Leunig, M., McCarthy, J. C., Martin, H. D., Byrd, et al  
2012; 28 (5): 595-U214
- **Labral Tears** *EVIDENCE-BASED ORTHOPEDICS*  
Hariri, S., Ejler, H., Safran, M. R., Bhandari, M.  
2012: 879-91
- **Kinematics Differences Between the Flat, Kick, and Slice Serves Measured Using a Markerless Motion Capture Method** *ANNALS OF BIOMEDICAL ENGINEERING*  
Sheets, A. L., Abrams, G. D., Corazza, S., Safran, M. R., Andriacchi, T. P.  
2011; 39 (12): 3011-3020
- **Diagnosis and Management of Ulnar Collateral Ligament Injuries in Throwers** *CURRENT SPORTS MEDICINE REPORTS*  
Freehill, M. T., Safran, M. R.  
2011; 10 (5): 271-278
- **Musculoskeletal injuries in the tennis player** *MINERVA ORTOPEDICA E TRAUMATOLOGICA*  
Abrams, G. D., Safran, M. R.  
2011; 62 (4): 311-329
- **Femoroacetabular Impingement Patients Exhibit Hip Flexion Angle Abnormalities During Level Walking** *57th Annual Meeting of the American-College-of-Sports-Medicine / Inaugural World Congress on Exercise is Medicine*  
Shu, B., Rylander, J. H., Andriacchi, T. P., Safran, M. R.  
LIPPINCOTT WILLIAMS & WILKINS.2010: 21-21
- **Evaluation of formal methods in hip joint center assessment: An in vitro analysis** *CLINICAL BIOMECHANICS*  
Lopomo, N., Sun, L., Zaffagnini, S., Giordano, G., Safran, M. R.  
2010; 25 (3): 206-212
- **The Pattern and Technique in the Clinical Evaluation of the Adult Hip: The Common Physical Examination Tests of Hip Specialists** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Martin, H. D., Kelly, B. T., Leunig, M., Philippon, M. J., Clohisy, J. C., Martin, R. L., Sekiya, J. K., Pietrobon, R., Mohtadi, N. G., Sampson, T. G., Safran, M. R.  
2010; 26 (2): 161-72
- **Case Reports: Unusual Cause of Shoulder Pain in a Collegiate Baseball Player** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*  
Ligh, C. A., Schulman, B. L., Safran, M. R.  
2009; 467 (10): 2744-2748
- **The role of the elbow musculature, forearm rotation, and elbow flexion in elbow stability: An in vitro study** *JOURNAL OF SHOULDER AND ELBOW SURGERY*  
Seiber, K., Gupta, R., McGarry, M. H., Safran, M. R., Lee, T. Q.  
2009; 18 (2): 260-268
- **KINEMATIC DIFFERENCES BETWEEN THE FLAT, KICK AND SLICE SERVES MEASURED USING A MARKERLESS MOTION CAPTURE METHOD** *ASME Summer Bioengineering Conference*

- Sheets, A. L., Corazza, S., Abrams, G., Safran, M., Andriacchi, T.  
AMER SOC MECHANICAL ENGINEERS.2009: 195–196
- **Elbow valgus laxity may result in an overestimation of apparent shoulder external rotation during physical examination** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Mihata, T., Safran, M. R., McGarry, M. H., Abe, M., Lee, T. Q.  
2008; 36 (5): 978-982
  - **Interobserver agreement in the classification of rotator cuff tears using magnetic resonance imaging** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Spencer, E. E., Dunn, W. R., Wright, R. W., Wolf, B. R., Spindler, K. P., McCarty, E., Ma, C. B., Jones, G., Safran, M., Holloway, B., Kuhn, J. E.  
2008; 36 (1): 99-103
  - **Surgical treatment of lateral epicondylitis: A systematic review** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*  
Lo, M. Y., Safran, M. R.  
2007: 98-106
  - **The role of arthroscopy in the treatment of glenohumeral arthritis** *SPORTS MEDICINE AND ARTHROSCOPY REVIEW*  
Safran, M. R., Baillargeon, D.  
2004; 12 (2): 139-145
  - **Effects of injury and reconstruction of the posterior cruciate ligament on proprioception and neuromuscular control** *Workshop on the Role of Proprioception and Neuromuscular Control in the Management and Rehabilitation of Joint Pathology*  
Safran, M. R., Harner, C. D., Giraldo, J. L., Fu, F. H., Lephart, S. M.  
HUMAN KINETICS PUBL.2000: 225–235
  - **CONTINUED GROWTH OF THE PROXIMAL PART OF THE TIBIA - AFTER PROSTHETIC RECONSTRUCTION OF THE SKELETALLY IMMATURE KNEE - ESTIMATION OF THE MINIMUM GROWTH FORCE INVIVO IN HUMANS** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
Safran, M. R., Eckardt, J. J., Kabo, J. M., Oppenheim, W. L.  
1992; 74A (8): 1172-1179
  - **Surgeon practice patterns for pre-soaking ACL tendon grafts in vancomycin: a survey of the ACL study group.** *Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA*  
Xiao, M., Sherman, S. L., Safran, M. R., Abrams, G. D.  
2020
  - **The Effect of Resection Size in the Treatment of Cam-Type Femoroacetabular Impingement in the Typical Patient With Hip Arthroscopy: A Biomechanical Analysis.** *The American journal of sports medicine*  
Bonano, J. C., Johannsen, A., Mardones, R. M., Fithian, A., Storaci, H., Tam, K., Safran, M. R.  
2020: 363546520952774
  - **Costs, Complications, and Reoperations Associated With Primary Arthroscopic Rotator Cuff Repair With or Without Acromioplasty and/or Biceps Tenodesis.** *Arthroscopy, sports medicine, and rehabilitation*  
Varshneya, K., Safran, M. R., Sherman, S. L., Abrams, G. D.  
2020; 2 (4): e369–e376
  - **A Simple Goal Elicitation Tool Improves Shared Decision Making in Outpatient Orthopedic Surgery: A Randomized Controlled Trial.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Mertz, K., Shah, R. F., Eppler, S. L., Yao, J., Safran, M., Palanca, A., Hu, S. S., Gardner, M., Amanatullah, D. F., Kamal, R. N.  
2020: 272989X20943520
  - **Nonoperative Treatment of Psoas Tendon Avulsion in a Professional Athlete: A Case Report and Evidence Based Review.** *JBJS case connector*  
Ejnisman, L., Andrade-Silva, F. B., Pontin, P. A., Ottoni, J. J., Magliocca, G. D., Safran, M. R.  
; 10 (2): e0490
  - **Linked Double-Row Equivalent Arthroscopic Rotator Cuff Repair Leads to Significantly Improved Patient Outcomes.** *Orthopaedic journal of sports medicine*  
Endo, A., Hoogervorst, P., Safranek, C., Sochacki, K. R., Safran, M. R., Sherman, S. L., Donahue, J.  
2020; 8 (7): 2325967120938311
  - **Snapping of the Sciatic Nerve and Sciatica Provoked by Impingement Between the Greater Trochanter and Ischium: A Case Report.** *JBJS case connector*

- Hatem, M., Martin, H. D., Safran, M. R.  
2020; 10 (3): e2000014
- **The evolution of femoroacetabular impingement surgical management as a model for introducing new surgical techniques** *KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY*  
Ohlin, A., Coughlin, R. P., Ahlden, M., Samuelsson, K., Malchau, H., Safran, M. R., Ayeni, O. R., Sansone, M.  
2020; 28 (4): 1333–40
  - **There is poor accuracy in documenting the location of labral and chondral lesions observed during hip arthroscopy.** *Journal of experimental orthopaedics*  
Hariri, S., Sochacki, K. R., Harris, A. S., Safran, M. R.  
2020; 7 (1): 4
  - **Reoperation Rates following Meniscus Transplantation using the Truven Database.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*  
Sochacki, K. R., Varshneya, K., Safran, M. R., Abrams, G. D., Donahue, J., Wang, T., Sherman, S. L.  
2020
  - **Risk of Subsequent Knee Arthroplasty After Sports Medicine Procedures.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*  
Enweze, L. C., Varshneya, K., Sherman, S. L., Safran, M. R., Abrams, G. D.  
2020; 4 (8): e2000125
  - **Relationship of the Medial Patellofemoral Ligament Origin on the Distal Femur to the Distal Femoral Physis: A Systematic Review.** *The American journal of sports medicine*  
Sochacki, K. R., Shea, K. G., Varshneya, K., Safran, M. R., Abrams, G. D., Donahue, J., Sherman, S. L.  
2020: 363546520904685
  - **Soaking of Autologous Tendon Grafts in Vancomycin Before Implantation Does Not Lead to Tenocyte Cytotoxicity.** *The American journal of sports medicine*  
Xiao, M., Leonardi, E. A., Sharpe, O., Sherman, S. L., Safran, M. R., Robinson, W. H., Abrams, G. D.  
2020: 363546520951815
  - **Comparing Meniscectomy and Meniscal Repair: A Matched Cohort Analysis Utilizing a National Insurance Database.** *The American journal of sports medicine*  
Sochacki, K. R., Varshneya, K., Calcei, J. G., Safran, M. R., Abrams, G. D., Donahue, J., Sherman, S. L.  
2020: 363546520935453
  - **Does Injection of Hyaluronic Acid Protect Against Early Cartilage Injury Seen After Marathon Running? A Randomized Controlled Trial Utilizing High-Field Magnetic Resonance Imaging.** *The American journal of sports medicine*  
Nathani, A., Gold, G. E., Monu, U., Hargreaves, B., Finlay, A. K., Rubin, E. B., Safran, M. R.  
2019: 363546519879138
  - **The Association of Financial Distress With Disability in Orthopaedic Surgery.** *The Journal of the American Academy of Orthopaedic Surgeons*  
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