

Michelle Xiao

MD Student with Scholarly Concentration in Clinical Research, expected graduation Spring 2025

Publications

PUBLICATIONS

- **Patients Who Return to Sport After Primary Anterior Cruciate Ligament Reconstruction Have Significantly Higher Psychological Readiness: A Systematic Review and Meta-analysis of 3744 Patients** *Am J Sports Med*
Xiao, M., van Niekerk, M., Trivedi, N., Hwang, C., Sherman, S., Safran, M., Abrams, G.
2022
- **High Specialization among Female Youth Soccer Players Is Associated with an Increased Likelihood of Serious Injury.** *Medicine and science in sports and exercise*
Xiao, M., Lemos, J. L., Hwang, C. E., Sherman, S. L., Safran, M. R., Abrams, G. D.
2021
- **Pain Management in Shoulder Arthroplasty: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials.** *Journal of shoulder and elbow surgery*
Xiao, M., Cohen, S. A., Cheung, E. V., Freehill, M. T., Abrams, G. D.
2021
- **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
- **Soaking of Autologous Tendon Grafts in Vancomycin Before Implantation Does Not Lead to Tenocyte Cytotoxicity.** *The American journal of sports medicine*
Xiao, M. n., Leonardi, E. A., Sharpe, O. n., Sherman, S. L., Safran, M. R., Robinson, W. H., Abrams, G. D.
2020: 363546520951815
- **Significantly Lower Infection Risk For ACL Grafts Pre-Soaked in Vancomycin Compared to Un-Soaked Grafts: A Systematic Review and Meta-analysis.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*
Xiao, M. n., Sherman, S. L., Safran, M. R., Abrams, G. D.
2020
- **Preoperative and Postoperative Therapeutic Anticoagulation in Orthopaedic Surgery Increases the Risk of Bleeding: A Systematic Review and Meta-Analysis.** *The Journal of the American Academy of Orthopaedic Surgeons*
Wadhwa, H., Rohde, M. S., Xiao, M., Maschhoff, C., Bishop, J. A., Gardner, M. J., Goodnough, L. H.
2024
- **Acromioclavicular Joint Reconstruction with Double-Bundle Constructs Provide Improved Maintenance of Reduction but Comparable Clinical Outcomes Versus Single-Bundle Constructs.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*
Xiao, M., Abrams, G. D.
2024
- **Variations in Treatment and Costs for Distal Radius Fractures in Patients Over 55 Years of Age: A Population-Based Study.** *Journal of hand and microsurgery*
Shapiro, L. M., Xiao, M., Zhuang, T., Ruch, D. S., Richard, M. J., Kamal, R. N.

2023; 15 (5): 351-357

- **No significant difference in risk of prolonged opioid use following outpatient versus inpatient total shoulder arthroplasty: A propensity matched analysis.** *Shoulder & elbow*
Xiao, M., Curtis, D. M., Cheung, E. V., Freehill, M. T., Abrams, G. D.
2023; 15 (3): 292-299
- **Are Patient-Reported Outcome Measures for Distal Radius Fractures Validated for Spanish and Culture? A Systematic Review.** *The Journal of hand surgery*
Lemos, J., Xiao, M., Castro Appiani, L. M., Katz, P., Kamal, R. N., Shapiro, L. M.
2023
- **Cost minimization analysis of the treatment of olecranon fracture in elderly patients: a retrospective analysis** *CURRENT ORTHOPAEDIC PRACTICE*
Welch, J. M., Zhuang, T., Shapiro, L. M., Gardner, M., Xiao, M., Kamal, R. N.
2022; 33 (6): 559-564
- **Cost minimization analysis of the treatment of olecranon fracture in elderly patients: a retrospective analysis.** *Current orthopaedic practice*
Welch, J. M., Zhuang, T., Shapiro, L. M., Gardner, M. J., Xiao, M., Kamal, R. N.
2022; 33 (6): 559-564
- **Analysis of Website Accessibility and Content for All 92 Accredited Hand Surgery Fellowship Programs in the United States: An Update.** *Journal of hand surgery global online*
Cohen, S. A., Xiao, M., Curtin, C. M., Yao, J.
2022; 4 (5): 269-275
- **Increased Risk of ACL Injury for Female but Not Male Soccer Players on Artificial Turf Versus Natural Grass: A Systematic Review and Meta-Analysis.** *Orthopaedic journal of sports medicine*
Xiao, M., Lemos, J. L., Hwang, C. E., Sherman, S. L., Safran, M. R., Abrams, G. D.
2022; 10 (8): 23259671221114353
- **Variations in Treatment and Costs for Distal Radius Fractures in Patients Over 55 Years of Age: A Population-Based Study** *JOURNAL OF HAND AND MICROSURGERY*
Shapiro, L. M., Xiao, M., Zhuang, T., Ruch, D. S., Richard, M. J., Kamal, R. N.
2022
- **Limited Biomechanical Evidence Behind Single Row Versus Double Row Repair of Subscapularis Tears: A Systematic Review.** *Arthroscopy, sports medicine, and rehabilitation*
Xiao, M., Cohen, S. A., Cheung, E. V., Sherman, S. L., Abrams, G. D., Freehill, M. T.
2022; 4 (3): e1193-e1201
- **Editorial Commentary: Soaking Anterior Cruciate Ligament Grafts in Vancomycin Solution Lowers Infection Rates Without Lowering Functional Outcomes.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*
Xiao, M., Abrams, G. D., Editorial Board
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- **How do orthopaedic surgery residency program websites feature diversity? An analysis of 187 orthopaedic surgery programs in the United States.** *Current orthopaedic practice*
Cohen, S. A., Xiao, M., Zhuang, T., Michaud, J., Wadhwa, H., Shapiro, L., Kamal, R. N.
2022; 33 (3): 258-263
- **How Is Scaphoid Malunion Defined: A Systematic Review.** *Hand (New York, N.Y.)*
Xiao, M., Welch, J. M., Cohen, S. A., Kamal, R. N., Shapiro, L. M.
2021: 15589447211038678
- **Tendon-Derived Progenitor Cells With Multilineage Potential Are Present Within Human Patellar Tendon.** *Orthopaedic journal of sports medicine*
Leonardi, E. A., Xiao, M., Murray, I. R., Robinson, W. H., Abrams, G. D.
2021; 9 (8): 23259671211023452

- **Google Trends Analysis Shows Increasing Public Interest in Platelet-Rich Plasma Injections for Hip and Knee Osteoarthritis.** *The Journal of arthroplasty*
Cohen, S. A., Zhuang, T., Xiao, M., Michaud, J. B., Amanatullah, D. F., Kamal, R. N.
2021
- **Arthroscopic Single and Double Row Repair of Isolated and Combined Subscapularis Tears Result in Similar Improvements in Outcomes: A Systematic Review.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*
Xiao, M., Cohen, S. A., Cheung, E. V., Abrams, G. D., Freehill, M. T.
2021
- **Uvular Necrosis After Shoulder Surgery: A Report of Three Cases** *CUREUS*
Xiao, M., Kaufman, D., Abrams, G. D.
2021; 13 (3)
- **Using Google Trends Data to Track Healthcare Use for Hand Osteoarthritis.** *Cureus*
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2021; 13 (3): e13786
- **Inflammatory Mechanisms in the Development of Osteoarthritis.** *Instructional course lectures*
Xiao, M., Sherman, S. L., Abrams, G. D.
2021; 70: 537-550
- **Increased Lower Extremity Injury Risk Associated With Player Load and Distance in Collegiate Women's Soccer.** *Orthopaedic journal of sports medicine*
Xiao, M., Nguyen, J. N., Hwang, C. E., Abrams, G. D.
2021; 9 (10): 23259671211048248
- **Is Frailty Associated with Adverse Outcomes After Orthopaedic Surgery?: A Systematic Review and Assessment of Definitions.** *JBJS reviews*
Lemos, J. L., Welch, J. M., Xiao, M., Shapiro, L. M., Adeli, E., Kamal, R. N.
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- **Outcomes After Resection Arthroplasty Versus Permanent Antibiotic Spacer for Salvage Treatment of Shoulder Periprosthetic Joint Infections: A Systematic Review and Meta-Analysis.** *Journal of shoulder and elbow surgery*
Xiao, M., Money, A., Pullen, W. M., Cheung, E. V., Abrams, G. D., Freehill, M. T.
2021
- **Preoperative Fatty Infiltration of the Teres Minor Negatively Affects Postoperative Outcomes in Patients With Rotator Cuff Pathology.** *Orthopaedic journal of sports medicine*
Sarkissian, E. J., Xiao, M., Abrams, G. D.
2020; 8 (10): 2325967120960107
- **Administrative Databases Utilized for Sports Medicine Research Demonstrate Significant Differences in Underlying Patient Demographics and Resulting Surgical Trends.** *Arthroscopy : the journal of arthroscopic & related surgery : official publication of the Arthroscopy Association of North America and the International Arthroscopy Association*
Xiao, M. n., Donahue, J. n., Safran, M. R., Sherman, S. L., Abrams, G. D.
2020
- **Exogenous micro-RNA and antagomir modulate osteogenic gene expression in tenocytes** *EXPERIMENTAL CELL RESEARCH*
Xiao, M., Iglinski-Benjamin, K. C., Sharpe, O., Robinson, W. H., Abrams, G. D.
2019; 378 (2): 119–23
- **Increased Prevalence of Concomitant Psychiatric Diagnoses Among Patients Undergoing Hip Arthroscopic Surgery.** *Orthopaedic journal of sports medicine*
Iglinski-Benjamin, K. C., Xiao, M., Safran, M. R., Abrams, G. D.
2019; 7 (1): 2325967118822451
- **Increased reoperation rates among patients undergoing shoulder arthroscopy with concomitant biceps tenodesis.** *JSES open access*
Xiao, M. n., Abrams, G. D.
2019; 3 (4): 344–49

- **Design and synthesis of new piperidone grafted acetylcholinesterase inhibitors** *BIOORGANIC & MEDICINAL CHEMISTRY LETTERS*
Basiri, A., Xiao, M., McCarthy, A., Dutta, D., Byrareddy, S. N., Conda-Sheridan, M.
2017; 27 (2): 228–31