

University of Utah Pediatric and Adult Sports Medicine Research Fellowship - Aoki

2025-2026



Research Fellowship Description

Overview: This fellowship is a one-year, full-time, fully funded opportunity intended for students interested in pursuing a career in academic orthopaedic surgery. Current research is focused in sports medicine, primarily hip and knee pathology. The fellowship is divided into three main components: research, clinical exposure, and mentorship. This is a great opportunity for motivated students to launch a career into orthopaedics and academic research.

Eligibility: Seeking 3rd and 4th year medical students from United States accredited MD programs. Looking for an individual who is organized, responsible, and self-motivated that is planning to pursue orthopaedic surgery. Prior experience with research and statistical analysis preferred.

Position and benefits: This is a full-time, paid position with the University of Utah as a Research Assistant. Health benefits are offered, in addition to PTO.

How to apply: Please send the below application materials to Stephen K. Aoki, MD (Stephen.aoki@hsc.Utah.edu) and Allan Metz (allan.metz@hsc.Utah.edu) with email subject “Research Fellowship Position”

- Curriculum vitae
- Medical school transcript including clerkship/rotation grades
- One-page personal statement about yourself and reasons for applying to this position
- Statement answering this prompt: In 400 words or less, tell us about your statistics and research background; describe a research project that you’ve been involved with, and describe your role in that project. What did the study contribute to the field of medicine?
- One to two letters of recommendation (preferably from research mentors in orthopaedics)

The Fellowship Experience

Dr. Aoki's research fellowship at the University of Utah has been one of the most transformative undertakings of my medical training, and an experience I am forever grateful for. From day one, it was clear that this program is uniquely structured to foster growth, independence, and the pursuit of ambitious goals in both research and clinical practice. Dr. Aoki's mentorship is truly exceptional—he encourages you to think beyond traditional boundaries, empowering you to develop the technical and analytical skills needed to excel in orthopaedics, while instilling a deep sense of purpose in patient-centered care.



This fellowship immerses you in an environment rich with resources and learning opportunities that exceed expectations. The Orthopaedics Department at the University of Utah is an inspiring space, filled with passionate individuals dedicated to innovation and knowledge-sharing. Working alongside talented researchers and clinicians exposed me to advanced technologies like 3D modeling and biomechanical analysis, along with technical training that evolved my surgical capabilities, all while challenging me to problem-solve in creative ways. Frequent opportunities to attend grand rounds, resident education sessions, and conferences provided invaluable insights, continuously broadening my clinical acumen and critical thinking skills, which I know I will rely on throughout my career.

Salt Lake City is a true gem. You are surrounded by a beautiful, vibrant city and stunning nature that encourage you to explore, connect with others, and find balance beyond the fellowship. Reflecting on this year, I can genuinely say that Dr. Aoki's fellowship has solidified my passion for orthopaedics and redefined my perspective on what it means to be a physician-leader committed to excellence. For anyone seeking a comprehensive, impactful experience in both research and clinical practice, this fellowship is an unparalleled and exceptional opportunity that shapes you into a more knowledgeable and capable individual.

- Ameen Z. Khalil, 2023-2024 Research Fellow

The Fellowship Experience



I truly cannot understate how much I enjoyed my research fellowship at Utah. This fellowship provided me a unique opportunity to be both productive academically as well as clinically – which I was looking for to prepare me for my fourth year of medical school and, beyond that, for residency. The orthopaedic infrastructure at Utah was superb; in the lab and the operating room, I was able to develop my surgical skills throughout the fellowship. I was able to learn from the residents and faculty at Utah – attending grand rounds, resident education, and conferences – and had a healthy amount of knowledge by the time my fellowship ended which proved extremely valuable later when on rotation.

Dr. Aoki is a true innovator and physician-scientist, and he makes enormous efforts to foster your intellectual development throughout the fellowship by encouraging you to formulate your own ideas and think critically about orthopaedic issues. He gives you great latitude and independence, and tasks you with the responsibility of handling a breadth of responsibilities and leading a large research team. The mentorship he provides is unparalleled and, for me, has led me to a great deal of professional maturation. I will think fondly back on this research year throughout my entire career, and I am grateful to have had the opportunity. The people at Utah are all highly competent, compassionate, and welcoming individuals who made me feel like a part of the team from day one.

Salt Lake City is also an incredible place to spend a year. I found that it had a reasonable cost of living, great clinical facilities, and most importantly was situated in one of the most beautiful regions of the country. The outdoor activity opportunities – skiing, hiking, etc – near Salt Lake are endless and the city itself is picturesque and clean. I learned a lot, grew a lot, and made many great memories and friendships along the way. This fellowship is a gem and is one-of-a-kind; I would recommend it without reservation.

- Reece M. Rosenthal, 2022-2023 Research Fellow

The Fellowship Experience



"I truly cannot speak highly enough of my experience with this research fellowship. I believe it provides an exceptional and focused opportunity to hone your research skills, gain clinical exposure, and broaden your understanding of orthopaedics. While there are several research fellowships for students to consider, I think the key attribute that separates this fellowship from others is the level of autonomy you are given over your projects and the research group. Dr. Aoki allows you to act as a kind of "junior investigator," giving you the ability to propose and carry out your own research ideas while managing a team of highly productive undergraduates, medical students, residents, and attendings. There is ample opportunity for first-author publications and presentations at national and international conferences. Being able to remain clinically active both in the OR and clinic is also a great perk of the program, as you can not only continue to sharpen your surgical skills but also can experience the clinical side of the University of Utah. Dr. Aoki is also incredibly passionate about fellow mentorship and is a fantastic resource during the residency application process.

Additionally, Salt Lake City is an awesome place to live if you enjoy being outdoors during all seasons. From hiking through fields of wildflowers in the spring to skiing down the slopes during the winter, there is something for everyone to enjoy. Utah is also home to The Mighty 5 national parks, which provides many chances to get out of Salt Lake City when needed and explore what Utah has to offer. Completing this research fellowship was one of the best decisions I have made during medical school, and I could not be more pleased with my experience."

- Allan K. Metz, 2021-2022 Research Fellow

The Fellowship Experience



“My research year with Dr. Aoki was exceptional. On the research side, I was able to complete retrospective and prospective clinical studies as well as case reports. Learning to take projects from idea to completion prior to residency is invaluable such that once I begin residency, I will be able to efficiently balance my clinical responsibilities with research interests. Attending resident didactics throughout the year helped me create a foundation of orthopaedic knowledge that served me well during my orthopaedic sub-internships. Scrubbing into surgery regularly with Dr. Aoki allowed me to maintain and improve on my suturing, knot tying, and other operative skills. Further, I attended University of Utah Gymnastics competitions with Dr. Aoki and gained perspective on various aspects of practice as an orthopaedic surgeon, such as serving as a team physician. The experience undoubtedly strengthened my application to residency and allowed me to develop mentorship relationships that will carry forward into my career.”

- Kelly M. Tomasevich, 2020-2021 Research Fellow

“The research fellowship provides a tremendous opportunity to spend a dedicated year as a member of a productive clinical Orthopaedic research team at a world-class institution under the direction of an incredible mentor, Dr. Stephen Aoki. The fellowship affords valuable experience which sharpens the knowledge and skills necessary to pursue answers to meaningful clinical questions and contribute to Orthopaedic literature both in the fellowship year and going forward in your career. The year also provides an abundance of opportunities to attend grand rounds, fracture conferences, subspecialty conferences, and get involved with Orthopaedics in several ways to prepare for successful 4th year sub-internships and residency.

My research year was primarily focused on hip and knee sports medicine topics, including femoroacetabular impingement, capsular instability of the hip, factors related to hip joint distractibility, acetabular morphology, tibial spine avulsion fractures, and patellar instability. I’m very grateful for the time I spent under Dr. Aoki’s mentorship as his research fellow, and the skills I gained to help me pursue answers to clinical questions through the research process with the hope of positively impacting the lives of patients.”

- Alexander J. Mortensen, 2019-2020 Research Fellow



Research

The University of Utah Pediatric and Adult Sports Medicine Research Fellowship is intended to help jumpstart a career in orthopaedics and academic research. The Research Fellow will be responsible for managing a diverse team of medical students, residents, fellows, and attendings in a variety of projects. Current research projects include both retrospective and prospective studies at both University of Utah Health and Intermountain Primary Children's Hospital. Projects currently focus on pediatric and adult hip and knee pathology, with a primary focus on femoroacetabular impingement syndrome.

Some benefits to doing this research fellowship include:

- A clinical research coordinator to assist with IRBs and University of Utah research policies
- Department statisticians that can assist with study design and analysis, though emphasis is placed on cultivating the Research Fellow's own statistics capabilities
- Opportunity to finish out continuing research projects, in addition to starting their own projects
- First author recognition when indicated
- Ability to work with several orthopaedic surgeons on research projects

Projects will be submitted to orthopaedic research journals including *Journal of Bone and Joint Surgery*, *Arthroscopy*, *American Journal of Sports Medicine*, and others. Additionally, fellows are encouraged to submit and present projects at national and international conferences, including the American Academy of Orthopaedic Surgeons, the American Orthopaedic Society for Sports Medicine, the Orthopaedic Summit, the International Society of Hip Arthroscopy, and others.



ISHA 2022. Glasgow, Scotland.



OSET 2021. Las Vegas, NV.



ISHA 2023. Cape Town, South Africa.

Clinical Exposure

Strong clinical exposure is an important aspect of this research fellowship in order to prepare fellows for a career in orthopaedic surgery. Fellows will have the opportunity to work weekly with Dr. Aoki in clinic to develop a deeper understanding of hip and knee pathology, which is invaluable for both forming and executing research projects. Fellows will also have the opportunity to observe surgical cases with Dr. Aoki.

Fellows are also encouraged to attend a variety of weekly educational conferences and didactic lectures, including Sports Medicine Conference, University of Utah Orthopaedic Surgery Grand Rounds, Fracture Conference, and other resident learning opportunities. These conferences and lectures will provide a base of orthopaedic knowledge that will be invaluable on sub-internships and during residency.



Mentorship



Stephen K. Aoki, MD

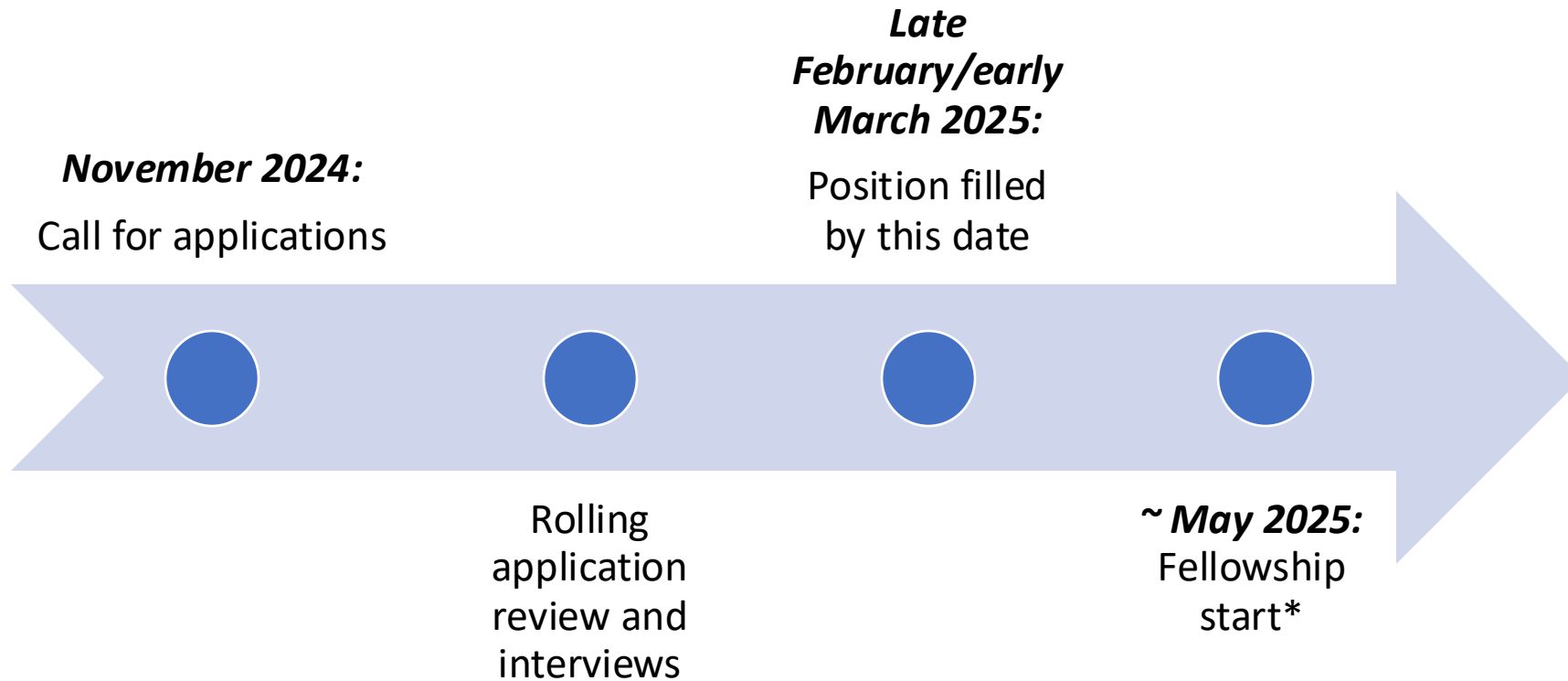
Dr. Stephen K. Aoki serves as the primary mentor for the research fellowship. He received his Bachelor of Arts degree through Harvard University before attending Mount Sinai School of Medicine in New York City. He subsequently completed his residency and sports medicine fellowship training at the University of Utah.

He specializes in the surgical treatment of pediatric, adolescent, and adult sports injuries of the hip and knee. His current research interests include hip preservation/femoroacetabular impingement in the young adult, hip arthroscopy, pediatric ACL tears, patellar dislocations, and ligament/cartilage knee injuries.

Dr. Aoki currently serves as the Chief of the Division of Sports Medicine at the University of Utah and is the former Chair of the University of Utah Orthopaedic Surgery Residency Selection Committee. He is the team physician for the University of Utah Gymnastics and Football teams.

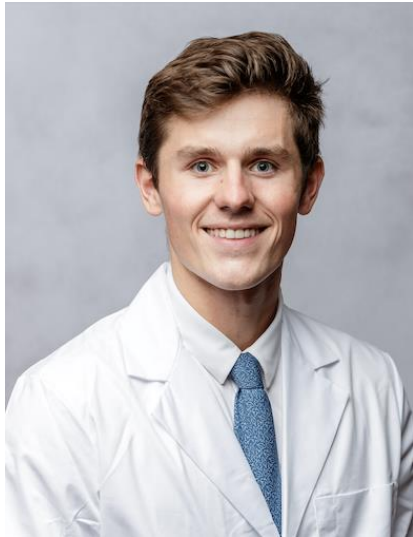
In his free time, Dr. Aoki enjoys exercising in ways that minimize injury to his aging body, spending time with his family, travel, eating great food, and doing whatever his wife asks him to do.

Application Timeline



*Fellowship start date negotiable

Current Research Fellow



Benjamin T. Johnson
2024-2025

University of Illinois College
of Medicine at Chicago

Ben Johnson is originally from Federal Way, Washington where he gained his interest in orthopaedics after an injury during his senior year of high school. He then went on to play college baseball at Northwest Nazarene University where he earned his Bachelor of Science in Biology and Biochemistry. During his time as a collegiate athlete, he helped lead his team to the NCAA Division II World Series tournament and won multiple awards including the NCAA Division II West Region Scholar Athlete of the Year and the Elite 90 Award.

He currently attends the University of Illinois College of Medicine at Chicago where he is part of the James Scholar Research Program for his orthopaedic research and former president of the wilderness medicine interest group. In his free time, Ben enjoys hiking, trail running, and skiing.

Prior Research Fellows

Selected Publications



Ameen Z. Khalil
2023-2024
George Washington
University

Metz AK, Featherall J, **Khalil AZ**, Rosenthal RM, Hunter CDR, Lewis DC, Aoki SK. Larger Zona Orbicularis Size on Magnetic Resonance Imaging Is Not Associated With Increased Resistance to Axial Distraction of the Hip Joint, Arthroscopy, Sports Medicine, and Rehabilitation, 2024. <https://doi.org/10.1016/j.asmr.2024.100989>.

Metz AK, Lewis DC, Froerer DL, Featherall J, Rosenthal RM, **Khalil AZ**, Aoki SK. Dysplastic Hips Have Decreased Iliofemoral Ligament Thickness on Coronal Sequences in Magnetic Resonance Imaging: A Matched Cohort Analysis. *Arthroscopy*. 2024 Jun 27:S0749-8063(24)00417-1. doi: 10.1016/j.arthro.2024.05.033. Epub ahead of print. PMID: 38944323.

McNamara NE, Shing EZ, **Khalil AZ**, Tabish EM, Featherall JT, Rosenthal RM, Maak TG, Aoki SK, Ernat JJ. Tibial Tubercle Osteotomy With and Without Medial Patellofemoral Ligament Reconstruction in Adolescent Patients Leads to Decrease in Patellar Height and Patella Tendon Length. *J Pediatr Orthop*. 2024 Jun 25. doi: 10.1097/BPO.0000000000002753. Epub ahead of print. PMID: 38907594.

Aoki SK, **Khalil AZ**. Complete Cam Resection Results in Best Outcomes After Hip Arthroscopy for Femoroacetabular Impingement. *Arthroscopy*. Published online May 3, 2024. doi:10.1016/j.arthro.2024.04.025

Featherall J, Metz AK, Froerer DL, Rosenthal RM, O'Neill DC, **Khalil AZ**, Maak TG, Aoki SK. False-Profile Radiograph Sourcil-Edge and Bone-Edge Measurements Correlate to Different Weightbearing Regions of the Acetabulum: A 3-Dimensional Analysis. *Am J Sports Med*. 2024 Aug;52(10):2603-2610. doi: 10.1177/03635465241265679. Epub 2024 Aug 12. PMID: 39135344.

Hunter CDR, **Khalil AZ**, Rosenthal RM, Metz AK, Featherall J, Ernat JJ, Aoki SK. Common Radiographic Indices Used to Measure Patellar Height Do Not Consistently Identify Patella Alta and Lack Interchangeability Between Measurements. *Knee Surg Sports Traumatol Arthrosc*. <http://doi.org/10.1002/ksa.12210>

Rosenthal RM, Froerer DL, Metz AK, **Khalil AZ**, Featherall J, Maak TG, Ernat JJ, Aoki SK. The Location of the Pysis on the Distal Femoral Cortical Surface is Consistently Proximal to its Apparent Location on the Perfect Lateral Radiograph in Adolescents: A 3-Dimensional Digitally Reconstructed Radiographic Study. *J Am Assoc Orthop Surg*. doi:10.5435/JAOS-D-23-00983.

Khalil AZ, McNamara NE, Featherall J, Metz AK, Lewis DC, Aoki SK. Emphasizing the Importance of Naproxen Prophylaxis May Decrease the Rate of Heterotopic Ossification Following Hip Arthroscopy. *Arthrosc Sports Med Rehabil*. Accepted April 3, 2024.

Shing EZ, Wade ZW, Ihn HE, **Khalil AZ**, Aoki SK, Maak TG. Open and Arthroscopic Management of Chondral and Chondrolabral Defects of the Hip. *Oper Tech Sports Med*. 2024;32(1):151062. doi:10.1016/j.otsm.2024.151062

Ihn HE, **Khalil AZ**, Shing EZ, Maak TG, Aoki SK. Cam-Type Impingement: Ensuring an Ideal Femoroplasty. *Oper Tech Sports Med*. 2024;32(1):151064. doi:10.1016/j.otsm.2024.151064

Mortensen AJ, Featherall J, Metz AK, Rosenthal RM, O'Neill DC, Froerer DL, **Khalil AZ**, Tomasevich KM, Aoki SK. The Hip Capsule is Important in Restoring Stability in the Initial Phase of Hip Distraction: An In Vivo Analysis. *Orthop J Sports Med*. 2024;12(5):23259671241249719. doi:10.1177/23259671241249719

Froerer DL, **Khalil AZ**, Metz AK, Rosenthal RM, Featherall J, Maak TG, Aoki SK (2024). Magnetic Resonance Imaging and Magnetic Resonance Arthrography Are Both Reliable and Similar When Measuring Hip Capsule Thickness in Patients With Femoroacetabular Impingement Syndrome. *Arthrosc Sports Med Rehabil*, 2024;6(2):100874. doi:10.1016/j.asmr.2023.100874

Prior Research Fellows

Selected Publications



Reece M. Rosenthal, BS
2022-2023

Baylor College of Medicine
Current position:
PGY-1, Orthopaedic Surgery,
Houston Methodist

[PubMed](#)

Rosenthal RM, Mortensen AJ, Gupta AS, Illing D, Guss A, Presson AP, Burks RT, Aoki SK. Biomechanical Evaluation of Medial Patellofemoral Ligament Reconstruction Grafts Fixed at Non-Anatomic Femoral Insertion Points: Avoid Proximal and Anterior Positioning. *American Journal of Sports Medicine*. In Review.

Mortensen AJ, Featherall J, Metz AK, **Rosenthal RM**, O'Neill DC, Froerer DL, Tomasevich KM, Aoki SK. Hip Capsule is Important for Restoring Stability in the Initial Phases of Hip Distraction. *Orthopaedic Journal of Sports Medicine*. In Press.

Featherall J, **Rosenthal RM**, Song DJ, Maak TG, Aoki SK, Ernat JJ. Concurrent Meniscus and Chondral Injuries After Anterior Cruciate Ligament Injury are More Common in Elite versus Recreational Alpine Skiers: A Systematic Review. *Journal of Cartilage and Joint Preservation*.

Tomasevich KM, Kantor AH, Metz AK, Hansen IT, Froerer DL, **Rosenthal RM**, Aoki SK. Mid-term Outcomes of Temporary Medial Distal Femoral Hemiepiphyodesis With and Without Medial Patellofemoral Ligament Repair for Recurrent Patellar Instability in Skeletally Immature Patients with Genu Valgum. *Journal of Pediatric Orthopaedics – B*.

Rosenthal RM, Hunter CD, Froerer DL, Featherall J, Metz AK, Ernat JJ, Maak TG, Aoki SK. Tibial Tubercle Overgrowth Correlates with Increased Posterior Tibial Slope: A Novel Radiographic Assessment. *Orthopaedic Journal of Sports Medicine*. In Press.

Ohlsen SM, Metz AK, Froerer DL, Mortensen AJ, Smith TR, Featherall J, **Rosenthal RM**, Aoki SK. Patients At Risk of Iatrogenic Hip Instability After Previous Hip Arthroscopy Have a Decreased Hip Capsule Thickness: A Matched-Cohort Analysis. *Orthopaedic Journal of Sports Medicine*. In press.

Rosenthal RM, Featherall J, Ernat JJ. Editorial Commentary: Synthetic Scaffold Grafts Can Work with Fascia Lata Autograft for Superior Capsular Reconstruction: Is the Answer Just More "Stuff"? *Arthroscopy*.

Rosenthal RM, Featherall J, Parkes CW, Khalil AZ, Genuario J, Maak TG, Aoki SK. Acetabular Labral Reconstruction: Review of Technique and Outcomes. *Current Reviews in Musculoskeletal Medicine*. In press.

Mortensen AJ, Featherall J, Metz AK, **Rosenthal RM**, O'Neill DC, Froerer DL, Tomasevich KM, Aoki SK. Initial Resistance to Distraction is Restored Following Capsule Repair in Primary Hip Arthroscopy: An In Vivo Analysis. *Orthopaedic Journal of Sports Medicine*. In press.

Mortensen AJ, Metz AK, Featherall J, O'Neill DC, **Rosenthal RM**, Aoki SK. Hip Joint Venting Decreases the Traction Force Required to Access the Central Compartment During Hip Arthroscopy. *Arthroscopy, Sports Medicine, and Rehabilitation*. In Press.

Featherall J, Metz AK, Froerer DL, **Rosenthal RM**, Mortensen AJ, Ernat JJ, Maak TG, Aoki SK. The Schöttle Point Is Consistently Located Distal to the Medial Femoral Physis in Pediatric Patients: A Digitally Reconstructed Radiographic Study. *American Journal of Sports Medicine*. 2022;50(13):3565-3570.

Metz AK, Tomasevich KM, Froerer DL, **Rosenthal RM**, Featherall J, Aoki SK. Postoperative Pain Medication Utilization in Pediatric Patients Undergoing Sports Orthopaedic Surgery: Characterizing Patient Usage Patterns and Opioid Retention. *Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews*. 2022;6(10):e22.00206.

Aoki SK, Mazingo JD, Schuring LL, Anderson AE, **Rosenthal R**. Using Sourcil vs Bone Margin as Anatomic Landmark on False-Profile Radiographs Yields Different ACEA Values: Response. *Orthopaedic Journal of Sports Medicine*. 2022;10(7).

Prior Research Fellows

Selected Publications



Allan K. Metz, MD

2021-2022

University of Michigan
Medical School

Current Position:

PGY-2, Orthopaedic Surgery,
University of Utah

[PubMed](#)

Metz AK, Featherall J, Froerer DL, Mortensen AJ, Tomasevich KM, Aoki SK. Female Patients and Decreased Hip Capsular Thickness on Magnetic Resonance Imaging Associated With Increased Axial Distraction Distance on Examination Under Anesthesia: An In Vivo Study. *Arthroscopy*. 2022;S0749-8063(22)00277-8. doi:10.1016/j.arthro.2022.04.011

Metz AK, Tomasevich KM, Froerer DL, Rosenthal RM, Featherall J, & Aoki SK. (2022, Apr). Post-operative Pain Medication Utilization in Pediatric Patients Undergoing Sports Orthopaedic Surgery: Characterizing Patient Usage Patterns and Opioid Retention. *J Am Acad Orthop Surg Glob Res Rev*. 2022. *Accepted for publication*.

Metz AK, Mortensen AJ, Froerer DL, Aoki SK. Traumatic and Atraumatic Hip Instability. In Brockmeier, S.F. (Ed.), *MRI-Arthroscopy Correlations: A Case-Based Atlas of the Knee, Shoulder, Elbow, Hip and Ankle. 2nd edition. (pp. na). New York: Springer Nature. 2022. Accepted for publication*.

Metz AK, Klatt JB, Froerer DL, Cheminant JR, Aoki SK. Contralateral Prophylactic Pinning for Slipped Capital Femoral Epiphysis: A Delicate Balance Between Slip Prevention and Femoral Morphologic Changes. *Journal of Orthopaedic Experience and Innovation*. 2022.

Featherall J, **Metz AK**, Froerer DL, Rosenthal RM, Mortensen AJ, Ernat JJ, Maak TG, Aoki SK. The Schöttle Point Is Consistently Located Distal to the Medial Femoral Physis in Pediatric Patients: A Digitally Reconstructed Radiographic Study. *Am J Sports Med*. 2022;50(13):3565-3570. doi:10.1177/03635465221125470

Quinlan NJ, Tomasevich KM, Mortensen AJ, Hobson TE, Adeyemi T, **Metz AK**, Aoki SK. Medial Patellofemoral Ligament Reconstruction in the Pediatric Population: Skeletal Immaturity Does Not Affect Functional Outcomes but Demonstrates Increased Rate of Subsequent Knee Injury. *Arthrosc Sports Med Rehabil*. 2022;4(5):e1589-e1599. doi:10.1016/j.asmr.2022.05.007

Lewis DC, **Metz AK**, Froerer DL, Klatt JB, Aoki SK. Hardware Impingement Is Associated With Shorter Screw Length in Patients Treated With In Situ Screw Fixation for Slipped Capital Femoral Epiphysis: An In Vivo Arthroscopic Evaluation. *Arthrosc Sports Med Rehabil*. 2022;4(5):e1623-e1628. doi:10.1016/j.asmr.2022.06.005

Metz AK, Aoki SK. Editorial Commentary: Not Yet Convinced That the Femoroacetabular Impingement Resection (Fair) Arc Measurement Provides a "Fair" Assessment of Cam Resection Principles. *Arthroscopy*. 2021;37(12):3466-3468. doi:10.1016/j.arthro.2021.07.013

Mortensen AJ, **Metz AK**, Froerer DL, Aoki SK. Hip Capsular Deficiency-A Cause of Post-Surgical Instability in the Revision Setting Following Hip Arthroscopy for Femoroacetabular Impingement. *Curr Rev Musculoskelet Med*. 2021;14(6):351-360. doi:10.1007/s12178-021-09732-5

Featherall J, O'Neill DC, Mortensen AJ, Tomasevich KM, **Metz AK**, Aoki SK. Three-Dimensional Magnetic Resonance Arthrography of Post-Arthroscopy Hip Instability Demonstrates Increased Effective Intracapsular Volume and Anterosuperior Capsular Changes. *Arthrosc Sports Med Rehabil*. 2021;3(6):e1999-e2006. doi:10.1016/j.asmr.2021.09.022

Hobson TE, Mortensen AJ, **Metz AK**, Aoki SK. Cozen's Phenomenon After Repair of a Medial Collateral Ligament Periosteal Avulsion in a Pediatric Athlete: A Case Report. *JBJS Case Connect*. 2021;11(4):10.2106/JBJS.CC.21.00481. Published 2021 Oct 27. doi:10.2106/JBJS.CC.21.00481

Prior Research Fellows

Selected Publications



Kelly M. Tomasevich, MD
2020-2021
UConn School of Medicine

Current position:
PGY-3, Orthopaedic Surgery,
Washington University, St.
Louis

[PubMed](#)

Tomasevich KM, Mills MK, Allen H, Crawford AM, Motensen AJ, Presson AP, Zhang C, Aoki SK. Magnetic Resonance Arthrogram Improves Visualization of Hip Capsular Defects in Patients Undergoing Previous Hip Arthroscopy. *Arthrosc Sports Med Rehabil.* 2021

O'Neill DC, Mortensen AJ, **Tomasevich KM**, Ohlsen SM, Adeyemi TF, Maak TG, Aoki SK. Joint Venting Prior to Hip Distraction Minimizes Traction Forces During Hip Arthroscopy. *Arthroscopy.* 2021

Mortensen AJ, Groundland JS, **Tomasevich KM**, Hobson TE, Randall RL, Aoki SK. Ischial osteoid osteoma: A cause of persistent hip pain in an adolescent patient with bilateral femoroacetabular impingement. *Radiol Case Rep.* 2021

Featherall J, **Tomasevich KM**, O'Neill DC, Mortensen AJ, Aoki SK. Arthroscopy Hip Capsule Reconstruction for Anterior Hip Capsule Insufficiency in the Revision Setting. *Arthroscopy Techniques.* 2021.

Quinlan NJ, Hobson TE, Mortensen AJ, **Tomasevich KM**, Adeyemi T, Maak TG, Aoki SK. Tibial Spine Repair in the Pediatric Population: Outcomes and Subsequent Injury Rates. *Arthrosc Sports Med Rehabil.* 2021.

Mortensen AJ, **Tomasevich KM**, Ohlsen SM, O'Neill DC, Featherall J, Aoki SK. Increased Hip Distractibility in the Revision Hip Arthroscopy Setting: A Comparison Between Revision and Native Contralateral Hips With an Intraoperative Axial Stress Examination Under Anesthesia. *Arthroscopy.* 2021

Tomasevich KM, Quinlan NJ, Mortensen AJ, Hobson TE, Aoki SK. Overgrowth After Pediatric Tibial Spine Repair with Symptomatic Leg Length Discrepancy: A Case Report. *JBJS Case Connect.* 2021

Quinlan NJ, Hobson TE, Mortensen AJ, **Tomasevich KM**, Adeyemi T, Maak TG, Aoki SK. Tibial Spine Repair in the Pediatric Population: Outcomes and Subsequent Injury Rates. *Arthrosc Sports Med Rehabil.* 2021

O'Neill DC, **Tomasevich KM**, Mortensen AJ, Featherall J, Ohlsen SM, Aoki SK. Capsular Repair During Hip Arthroscopy Demonstrates Restoration of Axial Distraction Resistance in an in Vivo Intraoperative Testing Model. *J Bone Joint Surg Am.* 2021

Prior Research Fellows

Selected Publications



Alexander J. Mortensen, MD
2019-2020
University of Utah School of
Medicine

Current position:
PGY-4, Orthopaedic Surgery,
University of Utah

[PubMed](#)

Mortensen AJ, Metz AK, Froerer DL, Aoki SK. Hip Capsular Deficiency-A Cause of Post-Surgical Instability in the Revision Setting Following Hip Arthroscopy for Femoroacetabular Impingement. *Curr Rev Musculoskelet Med*. 2021

Mortensen AJ, Tomasevich KM, Ohlsen SM, O'Neill DC, Featherall J, Aoki SK. Increased Hip Distractibility in the Revision Hip Arthroscopy Setting: A Comparison Between Revision and Native Contralateral Hips With an Intraoperative Axial Stress Examination Under Anesthesia. *Arthroscopy*. 2021

O'Neill DC, Tomasevich KM, **Mortensen AJ**, Featherall J, Ohlsen SM, Aoki SK. Capsular Repair During Hip Arthroscopy Demonstrates Restoration of Axial Distraction Resistance in an in Vivo Intraoperative Testing Model. *J Bone Joint Surg Am*. 2021

Mortensen AJ, Ludwig TC, Adams BM, Adeyemi TF, Aoki SK. The Blackburne-Peel Index for Determining Patellar Height Is Affected by Tibial Slope. *Arthrosc Sports Med Rehabil*. 2021

Featherall J, Tomasevich KM, O'Neill DC, **Mortensen AJ**, Aoki SK. Arthroscopy Hip Capsule Reconstruction for Anterior Hip Capsule Insufficiency in the Revision Setting. *Arthroscopy Techniques*. 2021.

O'Neill DC, **Mortensen AJ**, Tomasevich KM, Ohlsen SM, Adeyemi TF, Maak TG, Aoki SK. Joint Venting Prior to Hip Distraction Minimizes Traction Forces During Hip Arthroscopy. *Arthroscopy*. 2021

Mortensen AJ, Duensing I, Aoki SK. Arthroscopic Femoral Osteochondroplasty for Cam-type Femoroacetabular Impingement: Cortical-Cancellous Sclerotic Boundary Guides Resection Depth. *Arthrosc Tech*. 2020

Mortensen AJ, O'Neill DC, Adeyemi TF, Maak TG, Aoki SK. A 2-Week Course of Naproxen for Heterotopic Ossification Prophylaxis Is Effective Following Hip Arthroscopy for Femoroacetabular Impingement. *Arthrosc Sports Med Rehabil*. 2020

Mortensen AJ, Philippi MT, Karns MR, Kahn TL, Adeyemi TF, Maak TG, Aoki SK. A Narrow Posterior Joint Space on a False Profile Radiograph Does Not Correlate With Posterior Joint Cartilage Degeneration in Hip Preservation Patients. *Arthroscopy*. 2020

Fellowship Fun



Reece (2022-2023) at the top of the Wind Caves near Logan, UT

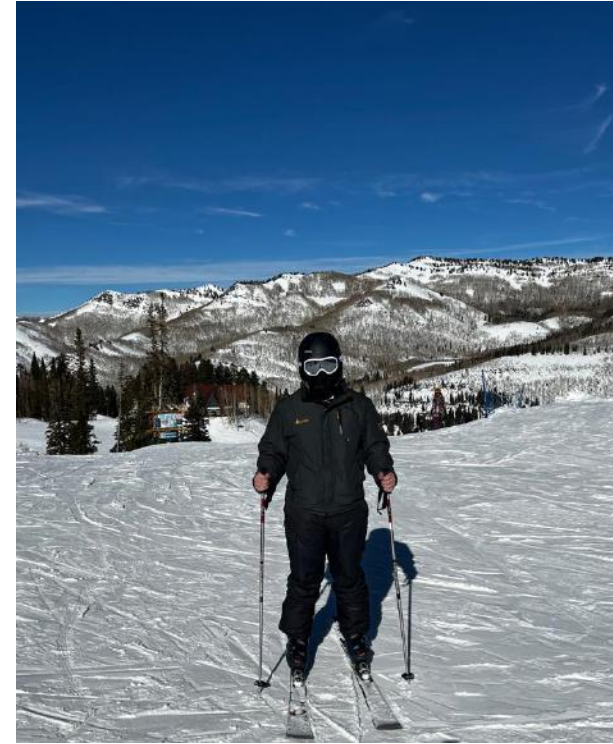


Allan (2021-2022, Utah PGY-2) sumitting Mt. Timpanogos near Provo, UT

Fellowship Fun (cont.)



Reece (2022-2023) after hiking Scout Falls, near Mt. Timpanogos, UT



Allan (2021-2022, Utah PGY-2) enjoying the “best snow on Earth” during Utah’s famed ski season

Fellowship Fun (cont.)



Allan (2021-2022, Utah PGY-2) at Lake Blanche and Sundial Peak outside Salt Lake City



Kelly (2020-2021) enjoying Arches NP

Fellowship Fun (cont.)



Reece (2022-2023, right) with Dr. Aoki (middle) and Joe Featherall (Former Utah Resident, left), after presenting at ISHA 2022 in Glasgow, Scotland



Allan (2021-2022, right) with Joe Featherall (Former Utah Resident, left) after presenting at OSET 2021 in Las Vegas

Fellowship Fun (cont.)



Allan (2021-2022, Utah PGY-2) taking in Cape Town, South Africa during ISHA



Reece (2022-2023) taking advantage of the 25-minute drive from work to the slopes

University of Utah Campus



University of Utah Campus

Located at the foothills of the mountains and well-serviced by public transit.



Most fellowship activities will occur in the University Orthopaedic Center, a dedicated orthopaedic facility for clinic, outpatient surgery, and research activities.

Utah State And National Parks



Utah has the third most national parks of any state with 5 well known parks: Arches, Bryce Canyon, Canyonlands, Capitol Reef, and Zion. Additionally, approximately 80% of Utah is managed for the public by federal and state agencies.

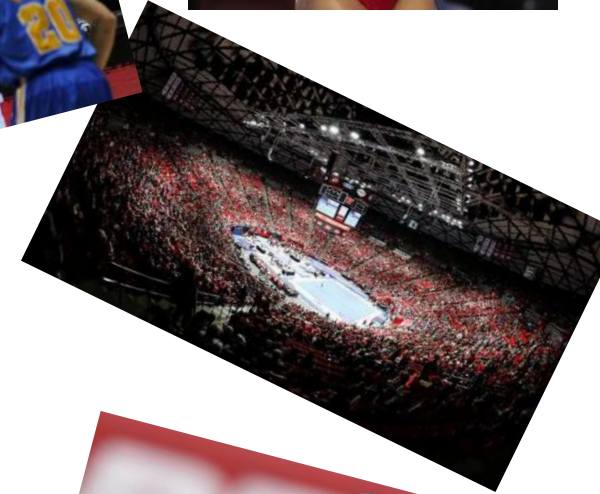
Park City



- Located 32 miles from Salt Lake City, Park City is a large mountain town which hosts year-round outdoor activities.
- It is the home of Park City, Canyons, and Deer Valley Ski Resorts.
- Encompasses 400 miles of maintained trails for mountain biking and hiking.
- Park City's Main Street is well known for its world class dining and shopping.
- It is the host of the popular Sundance Film Festival, Kimball Arts Festival and Deer Valley Music Festival.



Utah Sports



The University of Utah Orthopaedic Department provides coverage for:

- all University of Utah Athletics
- The Utah Jazz
- The Utah Hockey Club (NHL)
- Salt Lake Bees (AAA Baseball)
- Utah Grizzlies (Hockey)
- LOVB Salt Lake (Women's Volleyball)

... and other local and national sports teams. We are one of three centers designated to provide medical care for the United States Olympic Committee athletes.

Fellowship Resource Links and Contact Info

University of Utah Department of Orthopaedic Surgery

<https://medicine.utah.edu/orthopaedics/>

University of Utah Orthopaedic Surgery Residency

<https://medicine.utah.edu/orthopaedics/residency/>

Dr. Aoki's website

<https://www.aokimd.com/>

Questions? Contact former research fellow and current resident, Allan Metz

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