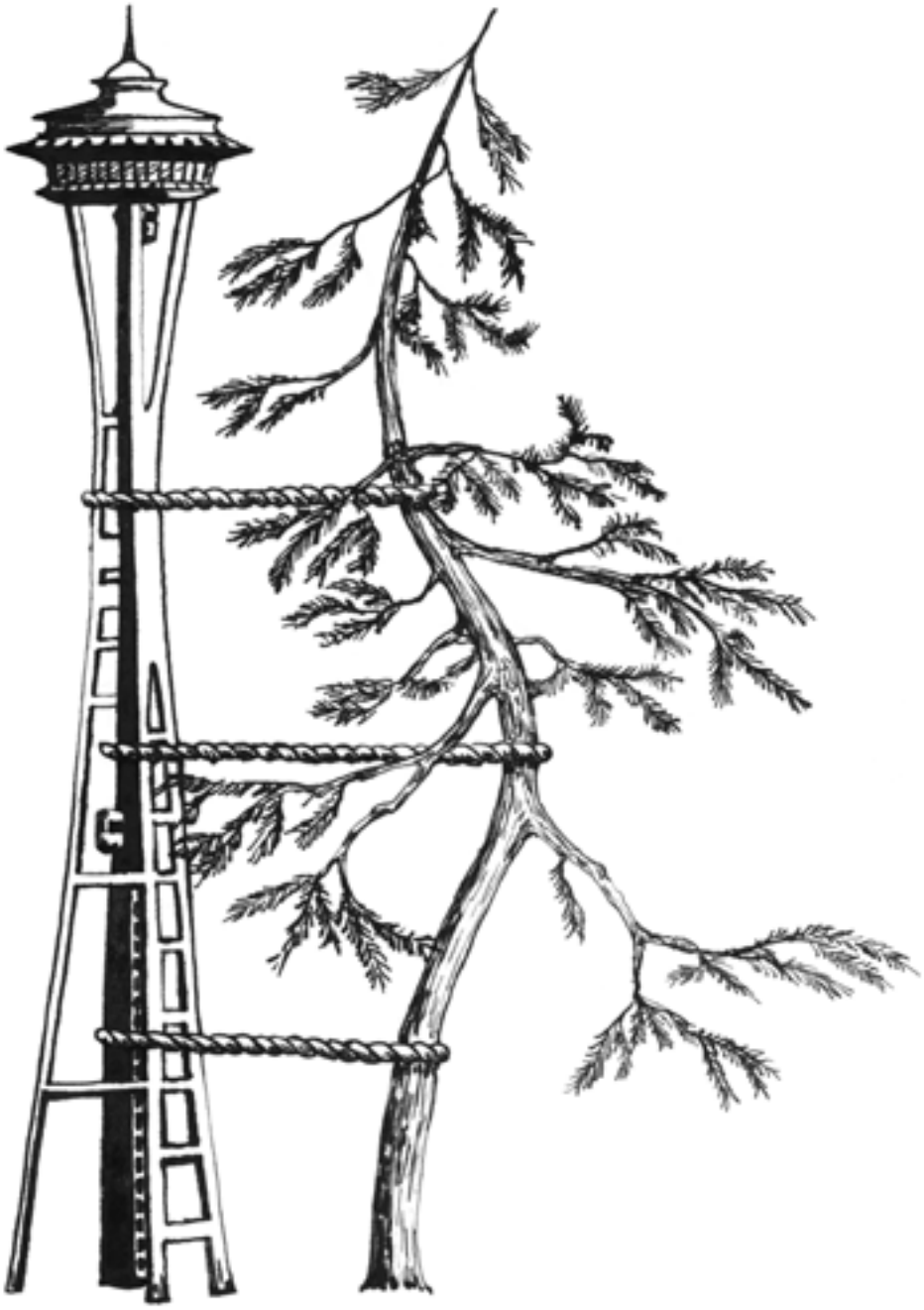
2027
2028

University of Washington

Orthopaedic Surgery & Sports Medicine
Shoulder & Elbow Fellowships

University of Washington
Department of Orthopaedic Surgery and Sports Medicine
Shoulder and Elbow Service



2027-2028 Shoulder and Elbow Fellowships

University of Washington
Department of Orthopaedic Surgery and Sports Medicine
Shoulder and Elbow Service

Who are We?

Department of Orthopaedic Surgery and Sports Medicine

The fellowship-trained surgeon faculty members of the University of Washington Department of Orthopaedic Surgery and Sports Medicine provide expert and personalized surgical approaches to the bone and joint problems that threaten the comfort and function of thousands of individuals each year. These surgeons combine decades of experience, knowledge of the world's literature, and their own cutting edge research to optimize approaches to the vast range of conditions that can be effectively managed by arthroscopic surgery, arthritis and arthritis surgery, foot and ankle surgery, hand and wrist surgery, hip and knee reconstruction, pediatric orthopaedic surgery, shoulder and elbow surgery, spine surgery, orthopaedic trauma surgery, as well as tumor surgery and post surgical reconstruction.

Shoulder and Elbow Service

The Shoulder and Elbow Service, a specialty service of the Hand, Elbow & Shoulder Center at UWMC Roosevelt, provides comprehensive evaluation and management for a wide range of shoulder and elbow problems, including:

Arthritis of the shoulder
Arthritis of the elbow
Dislocation or instability
Rotator cuff tear
Joint stiffness
and complex revision surgery of failed prior procedures

We offer a full spectrum of shoulder and elbow surgeries, from arthroscopy and minimally-invasive procedures, to complex fracture work, partial replacement (hemiarthroplasty) and complete replacement (total shoulder or elbow arthroplasty, as well as reverse shoulder arthroplasty).

Nationally Recognized Program

The Shoulder and Elbow Service is recognized as one of the Nation's leading academic and clinical Shoulder and Elbow programs.

Our physicians and research programs lead the way in innovative care for shoulder and elbow problems. We are constantly developing new, more effective methods for evaluating and treating our patients.

Our Approach

Our team of specialty-trained physicians, therapists, physicians' assistants, and nurses uses a multidisciplinary approach in caring for patients, with easy access to other world-class experts at UWMC (pictured below) who can assist with diagnosis and treatment plans.

Management options can range from simple exercises to major reconstructive surgery performed at UWMC, where specially trained nurses and anesthesiologists work with us to ensure quality patient care before, during, and after surgery. Our goal is maximum recovery of joint function. The physical therapists in the Exercise Training Center, located at UWMC Roosevelt, offer non-surgical care and post-surgical rehabilitation programs.

Advanced Clinical Experience (ACE) in Shoulder and Elbow Surgery

We are proud of our program and of the many graduates who have become international leaders in this exciting field. Our program is of one to two years in duration, and we typically have two ACEs each year. The experience includes in-depth participation in patient care, teaching, basic science research and clinical outcomes studies. Our goal is to help advance the careers of individuals who are committed to (1) a practice consisting of over 50% shoulder and elbow cases, (2) continuing active research and publication in the field of shoulder and elbow surgery, and (3) qualifying for membership in the American Shoulder and Elbow Surgeons (ASES).

Clinical

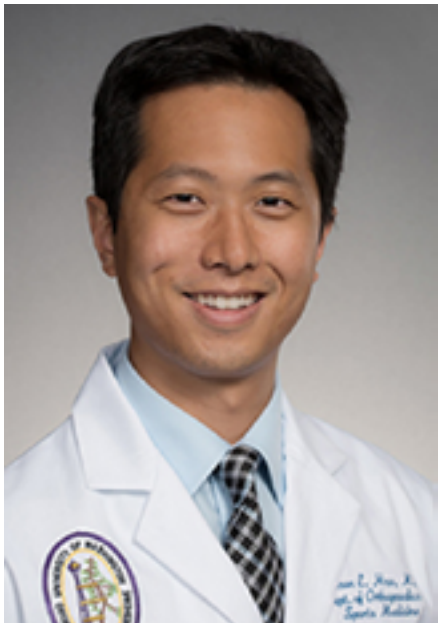
Our patients come from a wide area, predominantly the states of Washington, Montana, Idaho, and Alaska. Most are seen at our main clinic, the Hand, Elbow & Shoulder Center at UWMC - Roosevelt and at our Sports Medicine Center at Husky Stadium (pictured below). Their problems range from straightforward traumatic instability to complex revisions of shoulder and elbow arthroplasty. Approximately 85% of our clinical work is devoted to the shoulder region and 15% to the elbow. While our primary clinical goal is to offer excellent service to the referring physicians and patients of our region, we are increasingly serving patients from all across the United States. We perform an average of 450 shoulder and elbow procedures per year and see an average of 3,500 outpatient visits per year. The ACEs have their own clinics concurrent with those of the faculty and provide call coverage at the University of Washington Medical Center.

Teaching

Our educational commitment is to provide students, residents, post-graduates, and practicing physicians the most up-to-date information and techniques on the evaluation and management of shoulder and elbow disorders. The ACEs play a critical role in the education of the junior resident and the chief resident on the Shoulder and Elbow Service.

Research

We are actively engaged in clinical research through the usage of a standard computerized database, as well as morphologic research and biomechanical investigations. We have established a clinical outcome database called “Codman” which collects initial and follow-up functional outcome measures for the shoulder and elbow, as well as patients’ general health status. Each ACE participates actively in research and is expected to publish at least four peer-reviewed articles based on their year’s work.



Jason E. Hsu, MD

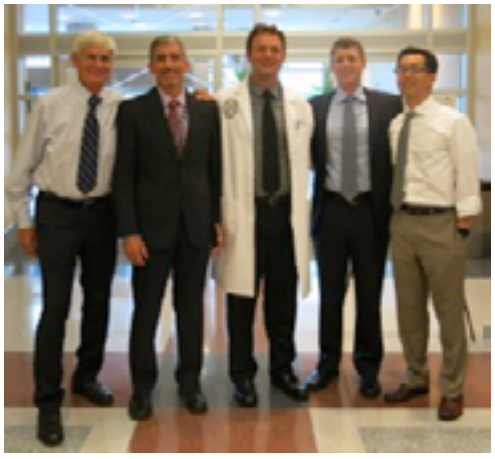
Program Director
Associate Professor
Chief, Shoulder and Elbow Service

Dr. Jason Hsu became a member of our department in September 2014. He earned his medical degree from Northwestern University before completing residency training at the University of Pennsylvania. While in residency, he spent a year in the McKay Orthopaedic Research Laboratory, where he studied tendon and ligament injury, repair, and healing. His achievements during this time were recognized with several awards, including the DeForest Willard Award for Outstanding Chief Resident, the Joseph P. Iannotti Award for Excellence in Shoulder Surgery, and the Stanley Chung Award for Excellence in Research. He also participated in the AAOS/OREF/ORS Clinician Scholar Development Program to prepare for an academic career, and later completed a one-year fellowship in shoulder and elbow surgery at Washington University in St. Louis.

Dr. Hsu's clinical work centers on both arthroscopic and open procedures for the shoulder and elbow. He is particularly skilled in arthroscopic and revision rotator cuff repair, complex reconstructions for irreparable cuff tears, treatment of shoulder dislocations and instability, open surgeries for failed instability repair, shoulder replacement and reverse total shoulder arthroplasty, surgical management of painful or infected shoulder replacements, and reconstructive solutions for failed shoulder surgery.

His research is equally extensive, with a primary focus on tendon and ligament healing. He collaborates closely with Dr. Matsen and colleagues, including Dr. Winston Warme and former fellows Dr. Ian Whitney and Dr. Robert Lucas (pictured below), on infectious disease and microbiology research, especially improving the diagnosis and management of Cutibacterium in shoulder arthroplasty.

Dr. Hsu has published original studies in many respected journals, among them the *Journal of Shoulder and Elbow Surgery*, the *Journal of Bone and Joint Surgery*, *Clinical Orthopaedics and Related Research*, *Arthroscopy*, and the *Journal of Orthopaedic Research*.

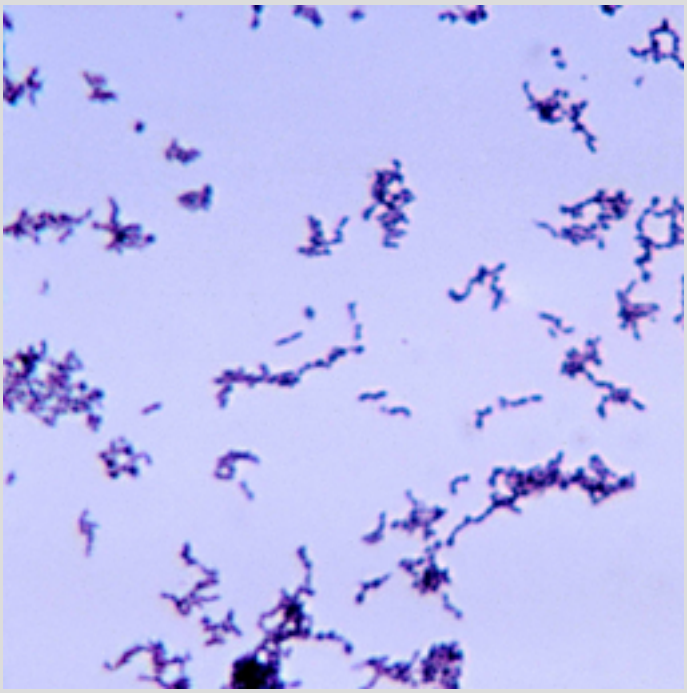


Within the department, Dr. Hsu holds the Rick and Anne Matsen Honorary Professorship for Shoulder Research. In October 2021, he was also appointed Program Director of the Shoulder & Elbow Fellowship in the Department of Orthopaedic Surgery and Sports Medicine.

Jason E. Hsu, MD

Current and Past Research

Cutibacterium



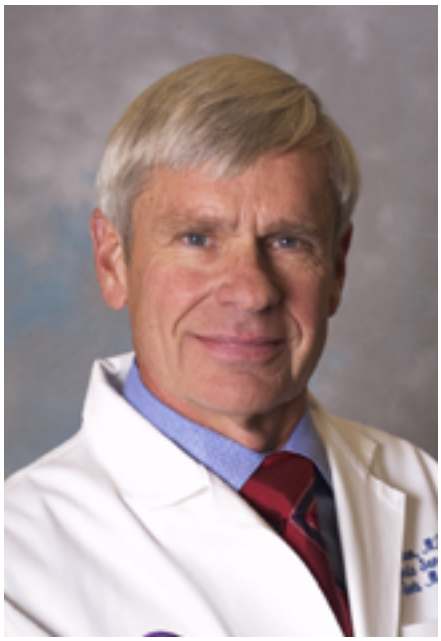
Dynamics of Cutibacterium repopulation onto the skin surface of the shoulder after chlorhexidine application

Following standard surgical skin preparation with chlorhexidine-isopropyl alcohol, the surface of the shoulder is repopulated with Cutibacterium within one hour, presumably from reservoirs in sebaceous glands not penetrated by topical antiseptic agents. Since these dermal glands are transected by skin incision for shoulder arthroplasty, this study suggests that they may be sources of wound contamination during surgery in spite of skin preparation with chlorhexidine.

Hsu JE, Whitson AJ, Van Dyke R, Wu JC, Matsen FA 3rd, Long DR. Dynamics of Cutibacterium repopulation onto the skin surface of the shoulder after chlorhexidine application. Int Orthop. 2023 Jun;47(6):1511-1515. (Click on image above right for article.)

Publications

Dr. Jason Hsu has authored many peer reviewed publications in orthopaedics. To see more of his publications, please click here for a bibliographic listing on Pubmed.



Frederick A. Matsen III, MD

Professor

Dr. Frederick Matsen, recognized by Seattle Magazine as a "Top Doctor" in the field of Orthopaedics, has devoted his entire professional career to advancing the discipline of orthopaedic surgery at the University of Washington. His connection to the institution began in 1971 when he started his residency, during which he developed a particular interest in shoulder and elbow reconstruction. A subsequent fellowship with Dr. Charles S. Neer II—the pioneer often regarded as the father of modern shoulder surgery—solidified his lifelong dedication to improving patient care for both routine and complex shoulder and elbow conditions. Dr. Matsen's scholarly contributions have had a lasting impact on the field. Together with fellow Texan Dr. Charles Rockwood, he co-edited *The Shoulder*, widely considered the definitive textbook on shoulder surgery and now in its fifth edition from Saunders. His authorship also includes *Practical Evaluation and Management of the Shoulder* and, more recently, *Shoulder Surgery: Principles and Procedures*, written with former fellow Dr. Steve Lippitt and likewise published by Saunders. These works continue to shape the education and practice of shoulder surgeons worldwide.

From 1986 to 2009, Dr. Matsen served as Chair of the Department of Orthopaedic Surgery and Sports Medicine, a role in which he became one of the longest-serving clinical department chairs at the University of Washington. Under his leadership, the department rose in prominence, earning recognition among the top programs in the country from U.S. News and World Report as well as high levels of research funding from the National Institutes of Health. Dr. Matsen consistently credits these accomplishments to the collective excellence of the department's faculty, residents, fellows, staff, postdoctoral and graduate students, alumni, and benefactors, whose collaboration and dedication helped build the department into a nationally recognized leader.

In recent years, Dr. Matsen has continued his commitment to advancing orthopaedic knowledge through research. His work on Cutibacterium, a slow-growing bacterium often found in revision shoulder arthroplasty cases, has been carried out in collaboration with colleagues Drs. Hsu, Pottinger, Butler-Wu, and Bumgarner. Alongside this line of inquiry, he has pursued research on conflict of interest in medicine, chondrolysis and the risks of pain pumps, impingement syndrome, and glenohumeral arthritis.

Beyond his publications and laboratory work, Dr. Matsen has been dedicated to sharing knowledge broadly and accessibly. His "Shoulder Blog" (www.shoulderarthritis.blogspot.com) offers free, high-quality information about shoulder arthritis and rotator cuff tears. Reaching an international audience, the blog has attracted more than 2 million page views from readers in over 100 countries, underscoring his commitment to education and patient care on a global scale.

Frederick A. Matsen III, MD

Current and Past Research

Rotator Cuff Tear Arthropathy

Managing rotator cuff tear arthropathy: A role for cuff tear arthropathy hemiarthroplasty as well as reverse total shoulder arthroplasty

Running Title: Two types of arthroplasty for cuff tear arthropathy.

James F. Stenson, D.O.[1], Zachary D. Mills, M.D.[2], Suhas P. Dasari, M.D.[2], Anastasia J. Whitson, BSPH[2], Jason E. Hsu, M.D.[2], and Frederick A. Matsen III, M.D.[2]

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This study was approved by the Institutional Review Board (IRB) of the University of Washington (IRB study #00007300).

Disclaimers:

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Conflicts of Interest: Jason Hsu reports personal fees from ISO Surgical, Committee member of the American Shoulder and Elbow Surgeons, and an Associate Editor for the Journal of shoulder and Joint Surgery outside of the submitted work. The other authors, their immediate families, and any research foundation with which they are affiliated did not receive any financial payments or other benefits from any commercial entity related to the subject of this article.

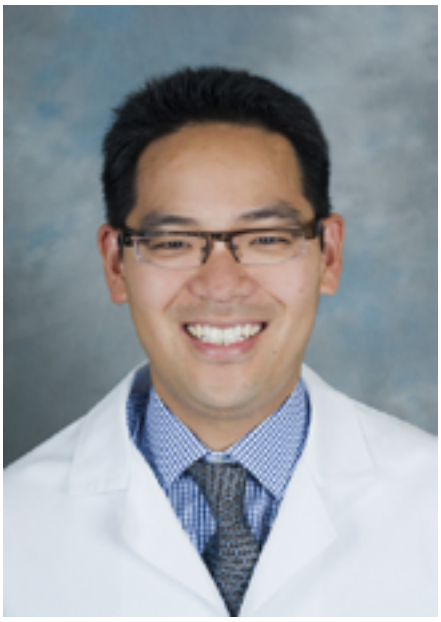
Acknowledgements: The authors acknowledge support for this study from the University of Washington's Douglas T. Harryman II Deputy Endowed Chair for Shoulder Research and The Rick and Anne Matsen Endowed Professorship for Shoulder Research.

Disabling cuff tear arthropathy (CTA) is commonly managed with reverse shoulder arthroplasty (RSA). However, for patients with CTA having preserved active elevation, cuff tear arthropathy hemiarthroplasty (CTAH) may offer a cost-effective alternative that avoids the complications unique to RSA. We sought to determine the characteristics and outcomes of a series of patients with CTA managed with these procedures.

Stenson JF, Mills ZD, Dasari SP, Whitson AJ, Hsu JE, Matsen FA 3rd. Managing rotator cuff tear arthropathy: A role for cuff tear arthropathy hemiarthroplasty as well as reverse total shoulder arthroplasty. J Shoulder Elbow Surg. 2023 Jul 18:S1058-2746(23)00512-8. (Click on image above right for article.)

Publications

Dr. Frederick Matsen has written and edited a number of books on Orthopaedic Surgery (for example, The Shoulder, 6th edition, see here). To see more of his peer reviewed publications, please click here for a bibliographic listing on Pubmed.



Albert O. Gee, MD

Associate Professor

Albert Gee is a sports medicine and shoulder surgeon with specialty training in the care of the injured athlete. He attended medical school at Washington University in St. Louis and completed his training in orthopaedic surgery at the University of Pennsylvania - the oldest training program in the United States. Dr. Gee completed a fellowship in sports and shoulder surgery at the prestigious Hospital for Special Surgery in New York City where he served as assistant team physician for the NBA's New Jersey Nets. He then served as a member of the medical staff of the U.S. Open Tennis Tournament and served as an assistant team physician for the Iona College Gaels.

His clinical interests include treating shoulder injuries, knee ligament injuries (ACL, PCL, MCL, LCL), and athletic ankle problems. His research interests include ligament and tendon biomechanics and mechanobiology, meniscus and cartilage tissue engineering, and shoulder instability and reconstruction.

Dr. Gee is a member of the American Academy of Orthopaedic Surgeons, American Orthopaedic Society for Sports Medicine, and the Arthroscopy Association of North America.

He has been published in multiple peer reviewed periodicals including the *Journal of Hand Surgery*, *American Journal of Orthopaedics*, *Biomaterials*, *Journal of Orthopaedic Trauma*, *Techniques in Knee Surgery*, as well as *The American Journal of Sports Medicine* among others.

Besides his position as Associate Progessor in our department, he is also Chief for UWMC Montlake. As well, he is a team physician for Husky Athletes and is the Program Director for our newly created Sports Medicine Fellowship.

Albert O. Gee, MD

Current and Past Research

Management of Glenohumeral Joint Osteoarthritis

The Management of Glenohumeral Joint Osteoarthritis Evidence-Based Clinical Practice Guideline is based on a systematic review of published studies for the treatment of glenohumeral joint osteoarthritis. The purpose of this clinical practice guideline is to address the management of patients with glenohumeral joint osteoarthritis. This guideline contains 13 recommendations to assist all qualified and appropriately trained healthcare professionals involved in the management of glenohumeral joint osteoarthritis.

Khazzam M, Gee AO, Pearl M. Management of Glenohumeral Joint Osteoarthritis. J Am Acad Orthop Surg. 2020 Oct 1;28(19):781-789. doi: 10.5435/JAAOS-D-20-00404. PMID: 32986386. (Click on image above right for article.)

Publications

To see more of Dr. Albert Gee's peer reviewed publications, please click here for a bibliographic listing on Pubmed.

Corey J. Schiffman, MD

Assistant Professor

In September 2023, Dr. Schiffman joined the Department of Orthopaedic Surgery and Sports Medicine as an Assistant Professor. He is a faculty member on the Shoulder & Elbow Service, working with his colleagues Drs. Jason Hsu, Frederick Matsen, and Albert Gee.

Dr. Schiffman completed his Bachelor of Science degree at the University of Michigan in Ann Arbor in 2013. His pursuit of a career in medicine took him to the Loyola University Chicago Stritch School of Medicine in Maywood, Illinois, where he earned his MD in 2017.

Afterwards, Dr. Schiffman joined the residency program at the University of Washington, where he underwent training in orthopaedic surgery from 2017 to 2022. Under the mentorship of experienced practitioners, he honed his surgical skills and deepened his understanding of orthopaedic care.

During his residency he received two notable honors. In June 2022, he received the Victor Frankel Award for the best basic science presentation at Resident Research Day, “Association Between Serum Testosterone Levels and Cutibacterium Skin Load in Patients Undergoing Elective Shoulder Arthroplasty”, and the Golden Nail Award, for which he was voted the best resident educator by his fellow residents.

Upon completion of his residency, Dr. Schiffman pursued a fellowship at the renowned Rothman Orthopaedic Institute. During this period from August 2022 to July 2023, he focused on the complexities of shoulder and elbow orthopaedics.

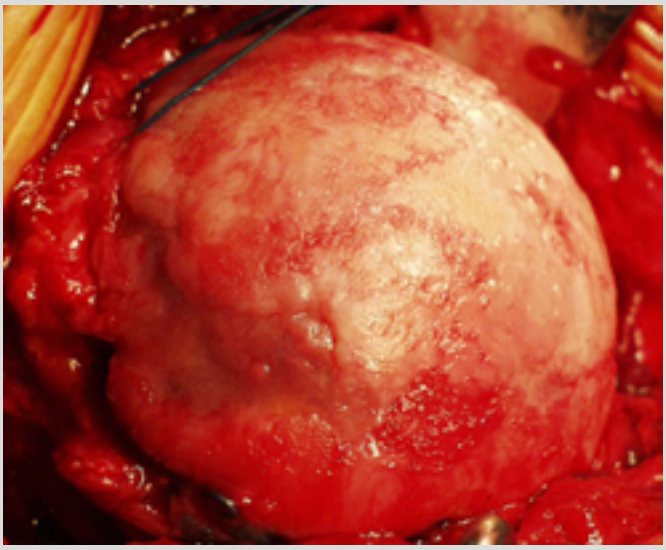
Dr. Schiffman has an extensive publication history and is very active in orthopaedic research. Most recently, he has published an article on reverse shoulder arthroplasty as a tool to manage proximal humerus fracture sequelae.

Single-stage revision shoulder arthroplasty, risk factors for stiffness requiring intervention after ream-and-run arthroplasty, as well as the subject of hospitalization costs, are all subjects he has covered in his research publication history. As well, he has an ongoing interest in the diagnosis and management of joint infections. Working with his colleagues Dr. Hsu and Dr. Matsen, he has published original research on new approaches to this difficult problem as well as the success and failure of surgery and antibiotics to resolve these infections.

Corey J. Schiffman, MD

Current and Past Research

Risk Factors for Stiffness



JB&JS

Risk Factors for Stiffness Requiring Intervention After Ream-and-Run Arthroplasty

Ream-and-run arthroplasty can improve pain and function in patients with glenohumeral arthritis while avoiding the complications and activity restrictions associated with a prosthetic glenoid component. However, stiffness is a known complication after ream-and-run arthroplasty and can lead to repeat procedures such as a manipulation under anesthesia (MUA) or open surgical revision. The objective of this study was to determine risk factors associated with repeat procedures indicated for postoperative stiffness after ream-and-run arthroplasty.

Schiffman CJ, Jurgensmeier K, Yao JJ, Wu JC, Whitson AJ, Jackins SE, Matsen FA 3rd, Hsu JE. Risk Factors for Stiffness Requiring Intervention After Ream-and-Run Arthroplasty JBJS Open Access. 2023 Apr 27;8(2):e22.00104. (Click on image above right for article.)

Publications

To see more of Dr. Schiffman's peer reviewed publications, please click here for a bibliographic listing on Pubmed.

Our Facilities

University of Washington Medical Center
Montlake and Northwest
Surgery Pavilion & Hand, Elbow & Shoulder Center at UWMC - Roosevelt

The University of Washington Orthopaedic Surgery and Sports Medicine Shoulder & Elbow Service operates on patients at the Surgery Pavilion at the UWMC. In addition, we run an ambulatory surgery center at the Hand, Elbow & Shoulder Center over on Roosevelt Way.

“With the Surgery Pavilion, our goal was to establish a new standard for surgical care and training in the Northwest,” said Dr. Mika Sinanan, UW Professor of Surgery. “In designing the building and its clinical operations, we have sought to foster operational efficiency and create an ideal environment for our patients, physicians, students, and staff.”

UW Medical Center is an acute care hospital located in Seattle with two campuses: Montlake and Northwest. It is owned by the University of Washington and is one of the world’s foremost medical centers for emergency and specialized inpatient and outpatient medical and surgical care. For many years, it has been ranked the No. 1 hospital in Washington state by U.S. News & World Report and has consisently been ranked nationally in a number of medical specialities.

Sports Medicine Center at Husky Stadium

As team physicians for the UW Huskies, our expertise is in treating athletic injuries. We are committed to providing care to injuries sustained at all levels of physical activity. At our sports medicine center, we offer innovative, advanced and minimally-invasive treatment options to get active individuals “back in the game”. Here, we provide evaluation, prevention and treatment of sports or exercise-related injuries, surgical and specialty care of the shoulder; elbow; hip; back; knee; ankle and foot; hands and wrist; and back-related problems, arthroscopic and minimally-invasive surgery, ultrasound diagnostics and platelet-rich-plasma (PRP) treatments, advanced exercise training programs; performance and sports health analytics; and physical therapy/rehabilitation for returning to activity, brace-fitting; custom orthotics; splinting; casting and bike-fitting; nutritional support; and sports psychology.

Eastside Specialty Center

UW Medical Center’s Eastside Specialty Center provides residents of Bellevue and neighboring communities outpatient treatment from some of the region’s finest physicians.

The ESC provides:

- Surgical and nonsurgical approaches to injuries and disorders affecting bones, joints and organs
- On-site rehabilitation specialists and physical therapists to help manage patients’ recoveries
- Quick-turnaround lab tests and onsite diagnostics for cardiology and vascular surgery
- A majority of pre-operative tests and post-op care as a conveinience for people who live and work on the Eastside, even though patients’ surgical procedures take place at the UW Medical Center.

Harborview Medical Center

Harborview Medical Center is a comprehensive healthcare facility dedicated to providing specialized care for a broad spectrum of patients from throughout the Pacific Northwest, including the most vulnerable residents of King County.

As the only designated Level I adult and pediatric trauma and verified burn center in the state of Washington, Harborview serves as the regional trauma and burn referral center for Alaska, Montana and Idaho and the disaster preparedness and disaster control hospital for Seattle and King County.

The UW Medicine physicians, staff and other healthcare professionals based at Harborview provide exemplary patient care in leading-edge centers of emphasis, including emergency medicine, trauma and burn care; neurosciences, ophthalmology, vascular surgery, HIV/AIDS and rehabilitation medicine.

Patients given priority for care include the non-English speaking poor; the uninsured or underinsured, victims of domestic violence or sexual assault; people incarcerated in King County's jails; people with mental illness or substance abuse problems, particularly those treated involuntarily; people with sexually transmitted diseases; and those who require specialized emergency, trauma or burn care.

Harborview recognizes that delivering quality healthcare is enhanced by a strong commitment to teaching, community service and research. Harborview fulfills its educational mission through the support of undergraduate, graduate, post-graduate and continuing education programs of the health professions of the University of Washington and other educational institutions, as well as programs relating to patient education.

Harborview Medical Center is owned by King County, governed by a county-appointed board of trustees and managed under contract by the University of Washington. The medical center plans and coordinates with Public Health Seattle and King County, other County agencies, community providers, and area hospitals, to provide programs and services.

The Shoulder and Elbow fellows routinely see patients at Harborview Medical Center, usually in cooperation with Assitant Professor Jonah Hebert-Davies, MD who specializes in fractures, trauma, as well as shoulder and elbow cases.

VA Puget Sound Health Care System

The VA Puget Sound Health Care System proudly serves more than 112,000 Veterans living in the Pacific Northwest and is the main referral center for VA Northwest Health Network, also called VISN20 (encompassing Alaska, Idaho, Oregon, and Washington). We are dedicated to excellence in the clinical care of Veterans, medical education, and research.

In addition to caring for hospitalized patients, our hospitalists perform inpatient medicine consultation and preoperative medical consults for medically complex patients. We have a strong affiliation with the University of Washington (UW) School of Medicine and enjoy teaching medical students and residents. Finally, we are actively engaged in hospital quality and process improvement.

Our Fellowship Alumni Publication Success

The former fellows of our Shoulder & Elbow Service have achieved remarkable publication success, solidifying their positions as leaders in the field. Their groundbreaking research has graced the pages of prestigious medical journals, contributing valuable insights to orthopaedic science and practice. With a commitment to excellence nurtured during their fellowship, these individuals continue to advance the boundaries of knowledge, leaving an indelible mark on the world of orthopaedics. Please find below an example of their recent publications.

Behnam Sharareh, MD - 2021-2022 Fellow

Which Components of the Simple Shoulder Test Show Improvement After Scapulothoracic Fusion for Recalcitrant Scapular Winging? Clinical Results at a Minimum of 5 Years of Follow-up

Clinical Orthopaedics and Related Research®

Clinical Research

Which Components of the Simple Shoulder Test Show Improvement After Scapulothoracic Fusion for Recalcitrant Scapular Winging? Clinical Results at a Minimum of 5 Years of Follow-up

Surgeons should consider using a reverse shoulder system that provides for a more lateral center of rotation to decrease scapular notching and the resultant osteolysis and provide for more ROM in external rotation without the addition of latissimus and teres major transfers.

Sharareh B, Hsu JE, Matsen FA 3rd, Warme WJ. Which Components of the Simple Shoulder Test Show Improvement After Scapulothoracic Fusion for Recalcitrant Scapular Winging? Clinical Results at a Minimum of 5 Years of Follow-up Clin Orthop Relat Res. 2023 May 9. (Click on image above right for article.)

Our faculty has an active, on-going collaboration with our fellowship alumni over a wide range of orthopaedic specialities. Their collective efforts promise to yield innovative solutions, advancements in surgical techniques, and novel treatments that will benefit patients around the world. The faculty members are not only mentors but also champions of their alumni's aspirations. This partnership showcases the ongoing commitment to nurturing the next generation of orthopaedic leaders.

Through their research collaboration, these orthopaedic clinicians and researchers are creating an effect that will shape the future of their field for years to come. Their dedication to advancing orthopaedic knowledge and patient care serves as a beacon of hope for individuals seeking relief from musculoskeletal ailments.

As their work unfolds, we look forward to seeing the transformative impact of this ongoing collaboration. With each breakthrough, they reaffirm their shared belief in the power of mentorship, knowledge exchange, and the relentless pursuit of excellence. Together, they are not only shaping the future of orthopaedic medicine but also inspiring the next generation of orthopaedic surgeons to reach new heights in their careers.

Here is the bibliography of the past 10 years or so of peer-reviewed research from their collaboration (fellows names in **bold**):

1. **Papadonikolakis A**, **McKenna M**, Warme WJ, Matsen FA. Intramedullary fibular and impaction allografting in revision total elbow arthroplasty with endosteal deficiency. Tech Hand Up Extrem Surg. 2012 Mar;16(1):5-11.

2. Matsen FA, 3rd, Butler-Wu S, **Carofino BC**, Jette JL, Bertelsen A, Bumgarner R. Origin of propionibacterium in surgical wounds and evidence-based approach for culturing propionibacterium from surgical sites. J Bone Joint Surg Am. 2013 Dec 4;95(23):e1811-7.

3. Matsen FA, 3rd, **Papadonikolakis A**. Published evidence demonstrating the causation of glenohumeral chondrolysis by postoperative infusion of local anesthetic via a pain pump. J Bone Joint Surg Am. 2013 Jun 19;95(12):1126-34.

4. **Papadonikolakis A**, Neradilek MB, Matsen FA, 3rd. Failure of the glenoid component in anatomic total shoulder arthroplasty: a systematic review of the English-language literature between 2006 and 2012. J Bone Joint Surg Am. 2013 Dec 18;95(24):2205-12.

5. **Papadonikolakis A**, Matsen FA, 3rd. Metal-Backed Glenoid Components Have a Higher Rate of Failure and Fail by Different Modes in Comparison with All-Polyethylene Components: A Systematic Review. J Bone Joint Surg Am. 2014 Jun 18;96(12):1041-7.

6. **McElvany MD**, **McGoldrick E**, Gee AO, Neradilek MB, Matsen FA, 3rd. Rotator cuff repair: published evidence on factors associated with repair integrity and clinical outcome. Am J Sports Med. 2015 Feb;43(2):491-500.

7. **McGoldrick E**, **McElvany MD**, Butler-Wu S, Pottinger PS, Matsen FA, 3rd. Substantial cultures of Propionibacterium can be found in apparently aseptic shoulders revised three years or more after the index arthroplasty. J Shoulder Elbow Surg. 2015 Jan;24(1):31-5.

8. Gorbaty JD, **Lucas RM**, Matsen FA, 3rd. Detritic synovitis can mimic a Propionibacterium periprosthetic infection. Int Orthop. 2016 Jan;40(1):95-8.

9. Hsu JE, Gee AO, **Lucas RM**, **Somerson JS**, Warme WJ, Matsen FA, 3rd. Management of intraoperative posterior decentering in shoulder arthroplasty using anteriorly eccentric humeral head components. J Shoulder Elbow Surg. 2016 Dec;25(12):1980-8.

10. Hsu JE, Gorbaty JD, **Whitney IJ**, Matsen FA, 3rd. Single-Stage Revision Is Effective for Failed Shoulder Arthroplasty with Positive Cultures for Propionibacterium. J Bone Joint Surg Am. 2016 Dec 21;98(24):2047-51.

11. **Lucas RM**, Hsu JE, Gee AO, Neradilek MB, Matsen FA, 3rd. Impaction autografting: bone-preserving, secure fixation of a standard humeral component. J Shoulder Elbow Surg. 2016 Nov;25(11):1787-94.

12. **Lucas RM**, Hsu JE, **Whitney IJ**, Wasserburger J, Matsen FA, 3rd. Loose glenoid components in revision shoulder arthroplasty: is there an association with positive cultures? J Shoulder Elbow Surg. 2016 Aug;25(8):1371-5.

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Fellowship Schedule

	ROTATION A	ROTATION B	CONFERENCE
M	Hsu Clinic	Matsen Clinic / Academic	6 - 7 AM Indications Conf
Tu	Schiffman OR	Matsen OR	
W	VA OR	Matsen Clinic / Schiffman OR	6 - 7 AM Fellows Education Conference
Th	Schiffman Clinic	Hsu OR	6:30 AM M&M Conference
F	Hsu OR	Schiffman OR	

Current Shoulder and Elbow ACEs

Jake Checketts, DO

Dr. Checketts joins us from Oklahoma State University College of Osteopathic Medicine where he completed medical school as well as his residency.

Pager 206-416-0919
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Stephen Daniels, MD

Dr. Daniels completed his medical school education at the University of Vermont and his residency at the University of Colorado.

Pager 206-314-5019
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Past Shoulder and Elbow ACEs

2024-2025	Michael Hachadorian, MD	Noel Palumbo, MD
2023-2024	William Crutcher, MD Orthopedic Physician Associates 601 Broadway, Suite 700 Seattle, WA 98122	Mihir Sheth, MD Anderson Orthopedic Clinic 2800 Shirlington Rd, Suite 1100 Arlington, VA 22206
2022-2023	James Levins, MD University of Vermont Given Medical Bldg, E-126 89 Beaumont Ave Burlington, VT 05405	Noah Quinlan, MD Bassett Healthcare 1 Atwell Road Cooperstown, NY 13326
2021-2022	Behnam Sharareh, MD Ventura Orthopedics 3525 Loma Vista Rd Ventura, CA 93003	James Stenson, DO Albert Einstein Medical Center 5501 Old York Rd Philadelphia, PA 19141
2020-2021	Richard McLaughlin, MD Olympia Orthopedic Associates 3901 Capital Mall Dr SW, Ste A Olympia, WA 98502	
2019-2020	Rufus Van Dyke, MD MultiCare Covington Medical Center 17700 SE 272nd Street, Suite 165 Covington, WA 98042	John Wu, MD Hand to Shoulder Specialists of Wisconsin 525 W. River Woods Parkway, Suite 230 Glendale, WI 53212
2018-2019	Matthew Napierala, MD Northeast Orthopaedics and Sports Medicine 12709 Toepperwein Road, Suite 101 San Antonio, TX 78233	Benjamin Woodhead, DO Lincoln Orthopedic Center 6900 A St Lincoln, NE 68510
2017-2018	Devin Ganesh, MD Windward Orthopaedic Group 30 Aulike Street, Suite 201 Kailua, HI 96734	Amy Ravindra, MD Northside Hospital 200 Howard Farm Dr., Suite 305 Cumming, GA 30041

2016-2017	Daniel Hackett, MD Kentucky Bone & Joint Surgeons 230 Fountain Court, Suite 180 Lexington, KY 40509	Ian MacNiven, MD Stanton Territorial Hospital 550 Byrne Rd Yellowknife NT X1A 2N1 Canada
2015-2016	Benjamin Service, MD Orlando Health 7243 Della Dr, Floor 2, Suite I Orlando, FL 32819	Jeremy Somerson, MD University of Texas Medical Branch 301 University Boulevard Galveston, TX 77555
2014-2015	Robert Lucas, MD East Bay Shoulder Clinic and Sports Rehabilitation Clinic 3717 Mt. Diablo Blvd Ste 100 Lafayette, CA 94549	Ian Whitney, MD South Texas Orthopaedic 1907 Hwy 97 E Ste 250 Jourdanton, TX 78026
2013-2014	Yaw Boachie-Adjei, MD Southeast Permanente Medical Group 3495 Piedmont Rd NE Atlanta, GA 30301	Andrew Pastor, MD The Everett Clinic 21401 - 72nd Ave W Edmonds, WA 98026
2012-2013	Matthew McElvany, MD Kaiser Permanente Santa Rosa 401 Bicentennial Way Santa Rosa, CA 95403	Erik McGoldrick, MD St. Joseph Health 2826 Harris Ave Eureka, CA 95503
2011-2012	Bradley Carofino, MD Atlantic Orthopaedic Specialists 230 Clearfield Ave, Suite 124 Virginia Beach, VA 23454	Matthew Jenkins, MD Puget Sound Orthopaedics 1724 West Union Ave Ste 100 Tacoma, WA 98405
2010-2011	Mark McKenna, MD First Flight Orthopaedics & Sports Med 3102 N Croatan Hwy Kill Devil Hills, NC 27948	Anastasios Papadonikolakis, MD Wake Forest Baptist Med Ctr 1 Medical Center Boulevard Winston-Salem, NC 27157
2009-2010	Erica Burns, MD Providence Orthopaedics 820 McClellan St., Ste 300 Spokane, WA 99204	Dan Heaston, MD Banner Health 5890 W 13th St #101 Greeley, CO 80634

2008-2009	Deana Mercer, MD University of New Mexico School of Medicine MSC10 5600 1 University of NM Albuquerque, NM 87131	Matthew Saltzman, MD Northwestern University Dept of Orthopaedic Surgery 676 N St. Clair, 13th Floor Chicago, IL 60611
2007-2008	Jeremiah Clinton, MD Providence Orthopedics 820 S McClellan, Suite 300 Spokane, WA 99204	Joseph Lynch, MD The Shoulder Clinic of Idaho 8854 West Emerald St, Suite 102 Boise, ID 83704
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2004-2005	Amy K. Franta, MD Meriter Orthopedic Clinic 2275 Deming Way Suite 180 Middleton, WI 53562	Tim R. Lenters, MD River Valley Orthopedics 350 Lafayette Ave. SE Grand Rapids, MI 49546
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2002-2003	Ira M. Parsons, MD The Knee, Hip and Shoulder Center 333 Borthwick Ave. Suite 301 Portsmouth, NH 03824	Robert Titelman, MD Resurgens Orthopaedics 5671 Peachtree Dunwoody Rd Ste 700 Atlanta, GA 30342
2001-2002	Richard S. Boorman, MD University of Calgary Heritage Medical Research Bldg 3330 Hospital Dr NW Calgary, Alberta T2N 4N1 Canada	Edward J. Weldon, MD Straub Clinic & Hospital 888 S King St Honolulu, HI 96813

2000-2001	R. Sean Churchill, MD Aurora Medical Center - Grafton 975 Port Washington Road, Suite 110 Grafton, WI 53024	Edward V. Fehringer, MD Columbus Comm Hosp 4508 - 38th Street, Suite 133 Omaha, NE 68601
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1995-1996	Kevin L. Smith, MD Northwest Hospital 10330 Meridian Avenue North #190 Seattle, WA 98112	
1994-1995	Dean W. Ziegler, MD Blount Orthopaedic Clinic Ltd 625 E St Paul Ave Milwaukee, WI 53202	
1993-1994	Mark D. Lazarus, MD Rothman Institute 925 Chestnut Street Philadelphia, PA 19107	

1992-1993	Anthony A. Romeo, MD Rothman Orthopaedics 176 Third Ave New York, NY 10003
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1990-1992	Steve B. Lippitt, MD Akron General Medical Center 224 West Exchange Street, Suite 440 Akron, OH 44302-1718
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1988-1989	Craig Arntz, MD Valley Orthopedic Associates 4011 Talbot Road South, Suite 300 Renton, WA 98055
1988-1989	Douglas T. Harryman II, MD University of Washington Department of Orthopaedics & Sports Medicine Seattle, WA 98195 (Deceased)

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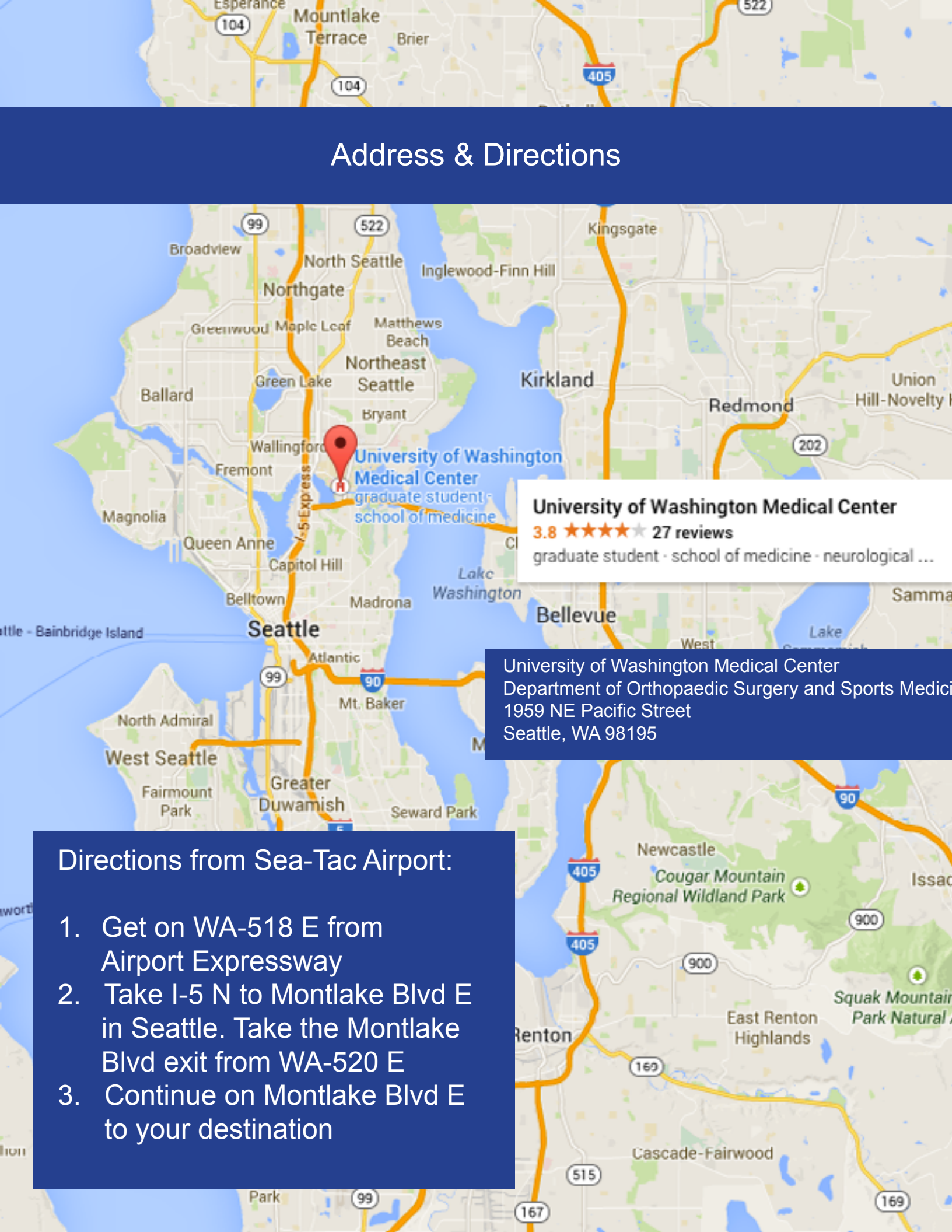

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2. Take I-5 N to Montlake Blvd E in Seattle. Take the Montlake Blvd exit from WA-520 E
3. Continue on Montlake Blvd E to your destination

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