



DOWNSTATE ORTHOPAEDIC SURGERY

Alumni Newsletter || Research Update



LETTER FROM THE CHAIRMAN



To My Colleagues,

I am thrilled to extend a warm welcome to each one of you to the highlight of our year, the Annual Alumni Reception at the AAOS Annual Meeting. We proudly stand as the beacon of musculoskeletal excellence in Brooklyn and have produced over 200 residency graduates.

SUNY Downstate Orthopaedics continues to grow. Our training program has six resident physicians per year. Our program provides expertise in all subspecialties areas in orthopaedic surgery and seeks to add talent to our faculty team. Recently, New York City Health + Hospitals/Lincoln, a busy level-1 trauma center located in the Bronx, was added as a clinical site for faculty practice and residency training

The alumni leave a lasting legacy on the department, and we want to remain engaged with you as the department continues to grow. Please share your contact information with us and keep in touch!

Thank you all for joining us again this year and welcome to the Alumni Reception.



William P. Urban, MD

*Associate Professor and Chairman
Department of Orthopaedic Surgery & Rehabilitation Medicine
Chief, Sports Medicine
SUNY Downstate Health Sciences University*

LETTER FROM THE PROGRAM DIRECTOR

To My Colleagues,



Welcome to the annual Downstate Orthopaedics Alumni Reception! The program continues to have a strong presence at AAOS with a growing body of research both in quality and quantity. SUNY Downstate Orthopaedics continues to work closely with the College of Medicine to educate and support medical students who are interested in orthopaedic surgery. This academic year alone, we have 90+ Downstate medical students, involved in research not including those from other medical schools and undergraduate universities.

Over the years, the residency curriculum has evolved to provide trainees a wide breadth of academic, clinical, and research experience. Our dedicated faculty remain available to mentor students and residents while guiding them in their decision-making process.

The impressive strides in research productivity and the resounding success of our fellowship match speak volumes of our department's unwavering commitment to fostering the growth of our program and nurturing the aspirations of our residents. This could not have been and possible without the continuous support of our alumni members, who are still involved in endorsing Downstate Orthopaedics and assisting our trainees in their future practice.

A stylized, handwritten signature in black ink, consisting of a large 'C' followed by several loops and a final flourish.

Carl B. Paulino, MD

*Program Director
Department of Orthopaedic Surgery & Rehabilitation Medicine
Chief, Spine Surgery
SUNY Downstate Health Sciences University*

MEDICAL STUDENT OUTREACH

Despite its competitiveness, orthopaedic surgery remains a popular specialty choice for residency training among medical students. SUNY Downstate Health Sciences University Department of Orthopaedic Surgery & Rehabilitation Medicine has a long history of providing students and resident physicians with opportunities to engage in research projects. With the goal of providing not only the best opportunities, but also the best training for students, we kicked off the year by providing a three-day intensive research tutorial presented by the research coordinator, David Mai, and class of 2027 resident physician (and prior tutorial attendee), Adam Wolfert. Introduced for the first time at the beginning of the Academic Year 2021-2022, the tutorial emphasizes best practices for the lifecycle of research projects, starting from idea conception through scholarly publication. Aside from the obvious goal of providing students with a strong foundation to engage in research, the tutorial also aims to help the future generation of leaders cultivate the skills to understand and appraise medical literature. In turn, these skills also help students review and enrich their knowledge of high-yield topics from the United States Medical Licensing Exams (USMLE). The tutorials were well-attended by students and College of Medicine faculty.



It is our mission to welcome students seeking to engage in research activities regardless of specialty interest. As a testament to this welcoming environment, the Department of Orthopaedic Surgery and Rehabilitation Medicine has established a partnership with the SUNY Downstate Health Sciences University School of Public Health to help students gain research experience for educational credit and to fulfill graduation requirements. In the inaugural year (2021-2022) of this partnership, our team mentored a student on their capstone research project, which supported their successful candidacy in earning a Master of Public Health degree.



Additionally, we enhanced our summer enrichment program for first-year medical students by building on the momentum of new initiatives introduced to the research space during the prior year. Our students had new opportunities to gain invaluable clinical experience and networking opportunities by shadowing attending physicians and participating in didactic lectures about important topics in orthopaedic surgery. Additionally, students gained problem-solving skills in research methods through small group and one-on-one mentorship.

We take great pride in contributing positively to the future generations of physicians and are grateful for your unwavering support.

RESIDENTS DIDACTICS

In our relentless pursuit of academic and clinical excellence, the SUNY Downstate Orthopaedic Surgery Program is dedicated to enriching the core didactic experiences of our residents. Recognizing the critical importance of a robust foundation in both clinical knowledge and surgical expertise, we are committed to ensuring our trainees are fully prepared to excel as orthopaedic surgeons.

Central to our innovative approach is the daily conference schedule, meticulously designed to maximize exposure, facilitate thoughtful case planning, and encourage constructive criticism. This dynamic environment not only fosters strong problem solving, but also sharpens the decision-making acumen of our future orthopaedic leaders.

Days	Lectures
Monday	Fracture Conference Kings County Hospital Core Academic Lecture Series; Orthopaedic In-Training Examination (OITE) preparation; Monthly Journal Club
Tuesday	Fracture Conference Kings County Hospital Fracture Indications Conference Kings County Hospital
Wednesday	Fracture Conference Kings County Hospital
Thursday	Case Presentation by Service Grand Rounds at Downstate
Friday	Fracture Conference

Academically, the program provides each resident with access to online educational resources including the Orthobullets PASS program. This comprehensive platform offers a multitude of resources, including daily study guides, targeted emails, and full access to an extensive array of questions and practice exams. The power of this program extends beyond individual learning; it allows our faculty to monitor and track the learning activities of our residents, ensuring that each trainee's progress is consistent, measurable, and in-line with the rigorous standards of our program.

This commitment to continuous improvement and innovation in our teaching and training initiatives reaffirms our dedication to nurturing the next generation of orthopaedic surgeons. As alumni, your support and involvement are crucial in sustaining this legacy of excellence and in shaping the future of orthopaedic surgery at SUNY Downstate Health Sciences University.



SPECIAL THANKS TO:

Drs. Katherine Connors and Evan Horowitz for helping organize this year's academic curriculum and developing a newly designed academic curriculum

Dr. Neil Shah for helping organize Grand Rounds.

Dr. Stanley Gordon for organizing and leading the Journal of Bone and Joint Surgery Journal Club, where the latest advancement and current techniques are discussed.

Interested in coming back to give a Grand Rounds or Academic Lecture?
Please Email Nina at: nina.jalowayski@downstate.edu

CONGRATULATIONS TO THE CLASS OF 2024



Katherine Connors, MD
PGY 5



Jennifer Etcheson, MD
PGY 5



Evan Horowitz, MD
PGY 5



Neil Shah, MD
PGY 5



Nicholas Stekas, MD
PGY 5

CLASS OF 2024 FELLOWSHIPS

Graduates	Fellowship	Institution
Katherine Connors, MD	Hand / Upper Extremity	Brown University
Jennifer Etcheson, MD	Hand / Upper Extremity	Cleveland Clinic
Evan Horowitz, MD	Sports Medicine	Lenox Hill
Neil Shah, MD	Spine	Boston University
Nicholas Stekas, MD	Sports Medicine	Kaiser Permanente



MEET THE RISING CHIEFS: CLASS OF 2025



Jon Berguson, MD
PGY 4



George Beyer, MD
PGY 4



Steven Burekhovich, MD
PGY 4



Joseph Ehiorobo, MD
PGY 4



Scott Liu, MD
PGY 4



Eric Tischler, DO
PGY 4

POSTGRADUATES YEAR 3, 2, AND 1



Brody Dawkins, MD
PGY 3



Chibuokem Ikwuazom, MD
PGY 3



David Kim, MD
PGY 3



Declan Tozzi, MD
PGY 3



Eric Windsor, MD
PGY 3



Jack Zhou, MD
PGY 3



Nolan Condron, MD
PGY 2



Max Detweiler, MD
PGY 2



David Kim, MD
PGY 2



Peter Twining, MD
PGY 2



Ryne Veenema, MD
PGY 2



Adam Wolfert, MD
PGY 2



Juhayer Alam, MD
PGY 1



Joshua Buksbaum, MD
PGY 1



Marc El Beaino, MD
PGY 1



Jacob Feingold, MD
PGY 1



Lara Passfall, MD
PGY 1



Gregory Van Perrier, MD
PGY 1

STANLEY GORDON RESIDENT FUND



To the Beloved SUNY Downstate Orthopaedics Alumni:

As cherished members of our illustrious legacy, you have been integral to the remarkable journey of SUNY Downstate Department of Orthopaedic Surgery since its transformative inception in the early 1980s. From our early days as a pioneering combined program, born from the synergy of Orthopaedic Surgery and Rehabilitation Medicine, to integrating Brookdale Hospital's Orthopaedic Program.

The department has flourished, nurturing nearly 200+ orthopaedic residents who have gone on to excel in every subspecialty, shaping the future of both private and academic practice nationwide. Our alumni include esteemed chairpersons and residency/fellowship program directors, a testament to the unparalleled training and mentorship provided at Downstate. The high achievements in research productivity, coupled with the escalating caliber of our residency applicants, underscores our unwavering commitment to excellence.

Our department is a beacon of specialized care, offering unparalleled expertise in Hand and Microvascular Surgery, a robust Sports Medicine program, and standing proudly as Brooklyn's exclusive haven for Orthopaedic Oncology. Our Adult Reconstruction, Shoulder and Elbow Surgery, Pediatric Orthopaedics, and comprehensive Spine programs reflect our dedication to addressing the full spectrum of musculoskeletal ailments.

Founded by the visionary Stanley L. Gordon, MD, in 1982, we've stood as the sole academic musculoskeletal group in Brooklyn, consistently leading the way in patient care, education, and groundbreaking research.

Today, we reach out to you, our esteemed alumni, to invite your support in sustaining this legacy of excellence. Your contributions are vital in fueling the vibrant network of SUNY Downstate Orthopaedics, enabling us to host pivotal gatherings like the Annual Reception at AAOS and the Distinguished Lecture. Moreover, your generosity empowers our residents, providing them with essential resources such as travel grants to present their groundbreaking work at national conferences.

Your support is not just a gift but an investment in the future of orthopaedic excellence. Together, let's continue to shape a legacy that stands as a paragon of excellence in musculoskeletal care, education, and research.



Class of 1994 - **From Left to Right:** Dr. Kevin Kunkle, Dr. Ron Chase, Dr. Susan Scherl, Dr. William Urban, Dr. Joseph Dryer, Dr. Howard Baum, and Dr. Robert Nu.

Please keep in touch!

Thank you for staying involved with and generously supporting the Downstate Orthopaedics Residency Program!

**Please reach out to: Nina Jallowayski
(Nina.Jallowayski@downstate.edu)**

ALUMNI SPOTLIGHT: CONGRATULATIONS!



Dr. Paul Tornetta III, a renowned figure in the field of orthopaedic surgery, has been recognized for his extensive contributions, leadership, and expertise through his appointment as the President of the American Academy of Orthopaedic Surgeons (AAOS) for the term 2024-2025. His election to this prestigious position reflects not only his dedication to advancing the field of orthopaedic surgery but also his commitment to enhancing patient care, medical education, and research.

Dr. Tornetta is Chair and Professor of Orthopaedic Surgery at Chobanian and Avedisian School of Medicine where he also serves as Director of the Orthopaedic Surgery Residency Program. He also serves as the Director of Orthopaedic Trauma for the Boston Medical Center. Dr. Tornetta is an alumnus of SUNY Downstate Health Sciences University College of Medicine as well as Orthopaedic Surgery Residency Program. He was a faculty member at SUNY Downstate and mentored many residents prior to joining Boston University.

Throughout his career, Dr. Tornetta has been distinguished by his “blue-collar surgeon” ethos, emphasizing a patient-centered approach to care and a commitment to lifelong learning for medical professionals. His leadership has been characterized by fairness, transparency, and a dedication to advancing orthopaedic education, as evidenced by his contributions to the AAOS Resident Orthopaedic Core Knowledge (ROCK) Curriculum.

Dr. Tornetta’s presidency comes at a time when the orthopaedic community continues to face challenges and opportunities, from the integration of new surgical technologies to addressing healthcare disparities. His track record of leadership at SUNY Downstate, Boston University, and within AAOS as well as professional organizations, such as the Orthopaedic Trauma Association (OTA), positions him well to lead the academy in addressing these issues.

As President of AAOS, Dr. Tornetta’s influence will extend beyond the academy, impacting policies, practices, and the future direction of orthopaedic surgery worldwide.

The SUNY Downstate Orthopaedics Family, including Dr. Stanley Gordon, residency alumni, current faculty, resident physicians, and staff are so proud of Dr. Tornetta for his outstanding achievements and leadership! Congratulations!



Class of 1992:

Dr. Harvinder Sandhu
Dr. David Auerbach
Dr. Paul Tornetta, III
Dr. Ed Handal
Dr. Michael O’Brien

NEW FACULTY



Dr. Vinicius Ladeira Craveiro is an accomplished orthopaedic trauma surgeon with over seven years of experience, who was recently recruited to lead the service at One Brooklyn Health Brookdale Hospital Medical Center. His medical education was completed at the Pennsylvania State University College of Medicine in 2017, followed by residency training in orthopaedic surgery at the same institution. Following residency training, Dr. Craveiro completed fellowship training in orthopaedic trauma surgery at Massachusetts General Hospital.

Dr. Craveiro's academic contributions are significant, with publications in prestigious journals on topics ranging from the use of computed tomography in elbow trauma to complex case reports, showcasing his dedication to research and education in orthopaedic surgery.

We are thrilled to welcome Dr. Craveiro to the SUNY Downstate faculty in his new position at One Brooklyn Health Brookdale Hospital Medical Center to provide his expertise for the needs of the community as well as educate the future of orthopaedic surgery.



WELCOME: NEW RESIDENCY COORDINATOR



The SUNY Downstate Health Science University Department of Orthopaedic Surgery & Rehabilitation Medicine takes immense pride in welcoming Nina Chan Jalowayski as the Residency Coordinator for the Orthopaedic Surgery Residency Program. Officially stepping into her role in late September 2023, Nina's appointment marks a significant milestone in her distinguished tenure at SUNY Downstate, reflecting her unwavering dedication and exceptional contributions to medical education and administration.

Before ascending to her current position, Nina served as the Executive Administrative Assistant to the Chair of the Department of Orthopaedic Surgery & Rehabilitation Medicine. Her tenure in this role was characterized by a meticulous approach to administration and an unyielding commitment to excellence, setting the groundwork for her future endeavors.

In her current role as Residency Coordinator, Nina's responsibilities span the entire spectrum of the residency education, including recruitment, curriculum development, compliance, and resident support. Nina's professional contributions at SUNY Downstate is one of growth and support. Her journey from an Executive Administrative Assistant to the Residency Coordinator epitomizes a commitment to the institution's mission and a dedication to advancing the field of orthopaedic surgery education.

Interested in coming back to give a Grand Rounds or Academic Lecture?
Please reach out to Nina! Email Address: **Nina.Jalowayski@downstate.edu**

AAOS 2024 ANNUAL MEETING

Monday, February 12 - ePoster

Spine I ePoster

The Top 100 US Hospitals for Orthopaedic Surgery Fall Short in Price Transparency Reporting for Combined Anterior-Posterior Spinal Fusion

OrthoLive, West Hall - Spine: Tuesday, February 12, 7:00 AM - 5:00 PM, **e501**

Adult Reconstruction Hip I ePoster

The Impact of Ulcerative Colitis on Outcomes and Complications following Total Hip Arthroplasty

OrthoLive, West Hall - Adult Reconstruction Hip: Tuesday, February 12, 7:00 AM - 5:00 PM, **e082**

Spine I ePoster

Regional Heterogeneity Found in Compliance with Price Transparency Reporting of Medicare Severity-Diagnosis Related Group Identifiers for Thoracolumbar Spinal Fusion among Top 100 US Hospitals for Orthopaedics

OrthoLive, West Hall - Spine: Tuesday, February 12, 7:00 AM - 5:00 PM, **e502**

Adult Reconstruction Hip I ePoster

Assessing Surgical Outcomes in Medicare Patients Undergoing Total Hip Arthroplasty in an Outpatient Surgical Center

OrthoLive, West Hall - Adult Reconstruction Hip: Tuesday, February 12, 7:00 AM - 5:00 PM, **e502**

Spine I ePoster

The Five-Year Baseline Prevalence of Metabolic and Endocrine Bone Disorders in Patients Undergoing Short Spinal Fusion for Degenerative Disc Disease

OrthoLive, West Hall - Spine: Tuesday, February 12, 7:00 AM - 5:00 PM, **e567**

Monday, February 12 - Presentation

Spine I Paper Presentations

Orthopaedic Surgery versus Neurosurgery: Prevalence and Surgical Detail Assessment of Adult Spinal Fusion Procedures

South, Room 210 - Spine: Monday, February 12, 2:07 PM - 2:11 PM, **055**

Musculoskeletal Oncology I Papers

Single-Stage versus Two-Stage Intramedullary Nailing for Synchronous Impending or Pathologic Fractures of Bilateral Femur for Oncologic Indications: A Systematic Review of Outcomes

South, Esplanade Ballroom 153 - Musculoskeletal Oncology: Monday, February 12, 11:00 AM-12:30 PM, **037 - 048**

Wednesday, February 14 - Poster

Adult Reconstruction Hip I Poster 2

The Impact of Congestive Heart Failure on Outcomes and Complications following Total Hip Arthroplasty with Minimum 2-Year Surveillance

OrthoLive, West Hall - Adult Reconstruction Hip: Wednesday, February 14, 7:00 AM - 5:00 PM, **P131-P150**

Manuscripts 2023 - 2024

Williamson TK, Dave P, Mir JM, Smith JS, Lafage R, Line B, Diebo BG, Daniels AH, Gum JL, Protosaltis TS, Hamilton DK, Soroceanu A, Scheer JK, Eastlack R, Kelly MP, Nunley P, Kebaish KM, Lewis S, Lenke LG, Hostin RA Jr, Gupta MC, Kim HJ, Ames CP, Hart RA, Burton DC, Shaffrey CI, Klineberg EO, Schwab FJ, Lafage V, Chou D, Fu KM, Bess S, Passias PG; International Spine Study Group. Open Neurosurg (Hagerstown). **Persistent Lower Extremity Compensation for Sagittal Imbalance After Surgical Correction of Complex Adult Spinal Deformity: A Radiographic Analysis of Early Impact.** 1;26(2):156-164. doi: 10.1227/ons.0000000000000901. Epub 2023 Oct 11. 2024 Feb PMID: 38227826

Shah NV, Moattari CR, Lavian JD, Gedailovich S, Krasnyanskiy B, Beyer GA, Condrón N, Passias PG, Lafage R, Jo Kim H, Schwab FJ, Lafage V, Paulino CB, Diebo BG. **The Impact of Isolated Preoperative Cannabis Use on Outcomes Following Cervical Spinal Fusion: A Propensity Score-Matched Analysis.** Iowa Orthop J. 2023 Dec;43(2):117-124. PMID: 38213849

Passias PG, Ahmad W, Kapadia BH, Krol O, Bell J, Kamalapaty P, Imbo B, Tretiakov P, Williamson T, Onafowokan OO, Das A, Joujon-Roche R, Moattari K, Passfall L, Kummer N, Vira S, Lafage V, Diebo B, Schoenfeld AJ, Hassanzadeh H. **Risk of spinal surgery among individuals who have been re-vascularized for coronary artery disease.** J Clin Neurosci. 2024 Jan;119:164-169. doi: 10.1016/j.jocn.2023.11.029. Epub 2023 Dec 14. PMID: 38101037

Goetti P, Aibinder WR, Rollick NR, Rouleau DM, Faber KJ. **Corrective Open-wedge Valgus Proximal Humerus Lengthening Osteotomy. Technique and Case Series.** Tech Hand Up Extrem Surg. 2023 Dec 15. doi: 10.1097/BTH.0000000000000466. Online ahead of print. PMID: 38098299

Ching-Wei H, Tsai SLH, Chen CH, Tang HC, Su CY, Tischler EH, Yang YC, Chan YS, Chiu CH, Chen ACY. **Early versus delayed mobilization for arthroscopic rotator cuff repair (small to large sized tear): a meta-analysis of randomized controlled trials.** BMC Musculoskelet Disord. 2023 Dec 4;24(1):938. doi: 10.1186/s12891-023-07075-5. PMID: 38049792

Manuscripts 2023 - 2024

Miller C, Dua K, O'Hara NN, May CC, Abzug JM. **The Mental Health Implications of Obstetric Brachial Plexus Injuries (OBPI) on Parents.** J Mother Child. 2023 Nov 22;27(1):217-221. doi: 10.34763/jmotherand-child.20232701.d-23-00024. eCollection 2023 Jun 1. PMID: 37991975

Yoshihara H, Yen W, Horowitz E, Nadarajah V. **Prevalence and Characteristics of Lumbar Spondylolysis in White and Black Patients.** Global Spine J. 2023 Nov 22:21925682231216107. doi: 10.1177/21925682231216107. Online ahead of print. PMID: 37991221

Wang H Jr, Huddleston HP, Kurtzman JS, Gedailovich S, Deegan L, Aibinder WR. **Subpectoral proximal humeral anatomy: Guidance to decrease risk of fracture following subpectoral biceps tenodesis.** Shoulder Elbow. 2023 Dec;15(6):647-652. doi: 10.1177/17585732231159392. Epub 2023 Feb 23. PMID: 37981963

Dubin JA, Hameed D, Baksh N, Bains SS, Mont MA, Nace J, Delanois RE, Golladay G. **Impact of Reporting Bias, Conflict of Interest, and Funding Sources on Quality of Orthopaedic Research.** J Arthroplasty. 2023 Nov 14:S0883-5403(23)01141-5. doi: 10.1016/j.arth.2023.11.017. PMID: 37972663

Baksh N, Dubin J, Douglas S, Bains SS, Hameed D, Moore MC, Naziri Q, Mont MA, Ingari JV. **Postoperative Opioid Dependence in Patients Undergoing Either Total or Reverse Shoulder Arthroplasty for Proximal Humerus Fracture Fixation.** Surg Technol Int. 2023 Nov 16;43:sti43/1729. doi: 10.52198/23.STI.43 OS1729. PMID: 37972546

Kong RM, Ibrahim M, Monessa D, Elali F, Jamil Z, Abdo T, Uribe JA, Suneja N. **Osteochondral Lesions of the Talus: Evaluation of Risk Factors and Their Impact on Post-operative Outcomes.** J Long Term Eff Med Implants. 2024;34(1):95-101. doi: 10.1615/JLongTermEffMedImplants.2023046114. PMID: 37938211

Bortz CA, Pierce KE, Krol O, Kummer N, Passfall L, Egers M, Oh C, Horn SR, Segreto FA, Vasquez-Montes D, Frangella NJ, Buza JA 3rd, Raman T, Kuprys T, Lafage R, Jankowski PP, Hassanzadeh H, Vira SN, Diebo BG, Gerling MC, Passias PG. **Predictors of Complication Severity Following Adult Spinal Deformity Surgery: Smoking Rate, Diabetes, and Osteotomy Increase Risk of Severe Adverse Events.** Int J Spine Surg. 2023 Feb;17(1):103-111. doi: 10.14444/8393. Epub 2023 Feb 7. PMID: 36750312

Naessig S, Para A, Kummer N, Krol O, Passfall L, Ahmad W, Pierce K, Vira S, Diebo B, Neuman B, Jain A, Sciubba D, Passias P. **Trends in usage of navigation and robotic assistance in elective spine surgeries: a study of 105,212 cases from 2007 to 2015.** J Robot Surg. 2023 Dec;17(6):2855-2860. doi: 10.1007/s11701-023-01682-z. Epub 2023 Oct 6. PMID: 37801230

Passias PG, Williamson TK, Pierce KE, Schoenfeld AJ, Krol O, Imbo B, Joujon-Roche R, Tretiakov P, Ahmad S, Bennett-Caso C, Mir J, Dave P, McFarland K, Owusu-Sarpong S, Lebovic JA, Janjua MB, de la Garza-Ramos R, Vira S, Diebo B, Koller H, Protosaltis TS, Lafage R, Lafage V. **The Importance of Incorporating Proportional Alignment in Adult Cervical Deformity Corrections Relative to Regional and Global Alignment: Steps Toward Development of a Cervical-Specific Score.** Spine (Phila Pa 1976). 2024 Jan 15;49(2):116-127. doi: 10.1097/BRS.0000000000004843. Epub 2023 Oct 5. PMID: 37796161

Nian PP, Ganesan V, Baidya J, Marder RS, Maheshwari K, Kobryn A, Maheshwari AV. **Safety and Efficacy of a Single-Stage versus Two-Stage Intramedullary Nailing for Synchronous Impending or Pathologic Fractures of Bilateral Femur for Oncologic Indications: A Systematic Review.** Cancers (Basel). 2023 Sep 2;15(17):4396. doi: 10.3390/cancers15174396. PMID: 37686672

El Beaino M, Hoda ST, Eldeib AJ, Masrouha K. **Dedifferentiated Chondrosarcoma: Diagnostic Controversies and Emerging Therapeutic Targets.** Curr Oncol Rep. 2023 Oct;25(10):1117-1126. doi: 10.1007/s11912-023-01441-1. Epub 2023 Aug 21. PMID: 37603119

Siddiqi A, Tozzi D, Springer BD, Rosen A. **Diagnosis and Management of Intraoperative Periprosthetic Fractures in Primary Total Knee Arthroplasty.** J Am Acad Orthop Surg. 2023 Oct 1;31(19):e760-e768. doi: 10.5435/JAAOS-D-23-00153. Epub 2023 Aug 15. PMID: 37585395

Kobryn A, Nian P, Baidya J, Li TL, Maheshwari AV. **Intramedullary Nailing with and without the Use of Bone Cement for Impending and Pathologic Fractures of the Humerus in Multiple Myeloma and Metastatic Disease.** Cancers (Basel). 2023 Jul 13;15(14):3601. doi: 10.3390/cancers15143601. PMID: 37509264

Passias PG, Ahmad W, Williamson TK, Lebovic J, Kebaish K, Lafage R, Lafage V, Line B, Schoenfeld AJ, Diebo BG, Klineberg EO, Kim HJ, Ames CP, Daniels AH, Smith JS, Shaffrey CI, Burton DC, Hart RA, Bess S, Schwab FJ, Gupta MC; International Spine Study Group. **Efficacy of Varying Surgical Approaches on Achieving Optimal Alignment in Adult Spinal Deformity Surgery.** Spine (Phila Pa 1976). 2024 Jan 1;49(1):22-28. doi: 10.1097/BRS.0000000000004784. Epub 2023 Jul 25. PMID: 37493057

Manuscripts 2023 - 2024

Laurent Tsai SH, Lin CR, Lin YR, Liu YC, Tischler EH, Tang HC, Chen CH, Su CY, Chan YS. **Comparative Analysis of Posterior Approach Versus Anterior Approach for Posterior Tibial Plateau Fractures: A Systematic Review and Meta-analysis.** JBJS Rev. 2023 Jul 11;11(7):e23.00030. doi: 10.2106/JBJS.RVW.23.00030. eCollection 2023 Jul 1. PMID: 37433013

Gedailovich S, Monas A, Schrier R, Aibinder WR. **Do outcomes of interposition arthroplasty in young patients differ based on indication? A systematic review.** J Shoulder Elbow Surg. 2023 Nov;32(11):2412-2420. doi: 10.1016/j.jse.2023.05.042. Epub 2023 Jul 7. PMID: 37423462

Yoshihara H, Karakostas J, Hayes W. **Efficacy of patch technique for dural tear repair using hydrogel sealant: a pilot study.** Spine J. 2023 Oct;23(10):1563-1567. doi: 10.1016/j.spinee.2023.06.397. Epub 2023 Jun 25. PMID: 37369254

Passias PG, Williamson TK, Joujon-Roche R, Krol O, Tretiakov P, Imbo B, Schoenfeld AJ, Owusu-Sarpong S, Lebovic J, Mir J, Dave P, McFarland K, Vira S, Diebo BG, Park P, Chou D, Smith JS, Lafage R, Lafage V. **The Impact of Lumbopelvic Realignment versus Prevention Strategies at the Upper-Instrumented Vertebra on Rates of Junctional Failure following Adult Spinal Deformity Surgery.** Spine (Phila Pa 1976). 2023 May 26. doi: 10.1097/BRS.0000000000004732. PMID: 37235802

Naessig S, Tretiakov P, Patel K, Ahmad W, Pierce K, Kummer N, Joujon-Roche R, Imbo B, Williamson T, Krol O, Janjua MB, Vira S, Diebo B, Sciubba D, Passias P. **Concurrent Presence of Thoracolumbar Scoliosis and Chiari Malformation: Is Operative Risk Magnified?** Asian Spine J. 2023 Aug;17(4):703-711. doi: 10.31616/asj.2022.0077. Epub 2023 May 25. PMID: 37226444

Tischler EH, Krasnyanskiy B, Kong RM, Tracey O, Tsai SHL, Suneja N. **E-scooter use continues to rev up fracture diagnoses and hospital admissions compared to other modes of transportation.** J Clin Orthop Trauma. 2023 Apr 27;40:102164. doi: 10.1016/j.jcot.2023.102164. eCollection 2023 May. PMID: 37206109

Dubousset J, Diebo BG. **Proximal Junctional Kyphosis in Modern Spine Surgery: Why Is it So Common?** Spine Surg Relat Res. 2022 Jun 28;7(2):120-128. doi: 10.22603/ssrr.2022-0100. eCollection 2023 Mar 27. PMID: 37041876

Diebo BG, Stroud SG, Shah NV, Messina J, Hong JM, Alsoof D, Ansari K, Lafage R, Passias PG, Lafage V, Schwab FJ, Paulino CB, Aaron R, Daniels AH. **Can We Predict Imbalance in Patients? Analysis of the CDC National Health and Nutrition Examination Survey.** J Clin Med. 2023 Mar 1;12(5):1943. doi: 10.3390/jcm12051943. PMID: 36902730

Passias PG, Krol O, Williamson TK, Lafage V, Lafage R, Smith JS, Line B, Vira S, Lipa S, Daniels A, Diebo B, Schoenfeld A, Gum J, Kebaish K, Park P, Mundis G, Hostin R, Gupta MC, Eastlack R, Anand N, Ames C, Hart R, Burton D, Schwab FJ, Shaffrey C, Klineberg E, Bess S; International Spine Study Group. **The Benefit of Addressing Malalignment in Revision Surgery for Proximal Junctional Kyphosis Following ASD Surgery.** Spine (Phila Pa 1976). 2023 Nov 15;48(22):1581-1587. doi: 10.1097/BRS.0000000000004476. Epub 2022 Sep 8.

Baksh N, Etcheson JI, Liu S, Ikwuazom CP, Chen Z, Dubin JA, Hameed D, Naziri Q. **Pre-operative corticosteroid injection within 1 month of total shoulder arthroplasty is associated with increased risk of periprosthetic joint infection.** Arch Orthop Trauma Surg. 2023 Sep;143(9):5609-5614. doi: 10.1007/s00402-023-04866-2. Epub 2023 Apr 14. PMID: 37058158

Imbo B, Williamson T, Joujon-Roche R, Krol O, Tretiakov P, Ahmad S, Bennett-Caso C, Schoenfeld AJ, Dinizo M, De La Garza-Ramos R, Janjua MB, Vira S, Ihejirika-Lomedico R, Raman T, O'Connell B, Maglaras C, Paulino C, Diebo B, Lafage R, Lafage V, Passias PG. **Long-term Morbidity in Patients After Surgical Correction of Adult Spinal Deformity: Results From a Cohort With Minimum 5-year Follow-up.** Spine (Phila Pa 1976). 2023 Aug 1;48(15):1089-1094. doi: 10.1097/BRS.0000000000004681. Epub 2023 Apr 11. PMID: 37040468

Horowitz EH, Aibinder WR. **Shoulder Impingement Syndrome.** Phys Med Rehabil Clin N Am. 2023 May;34(2):311-334. doi: 10.1016/j.pmr.2022.12.001. Epub 2023 Feb 26. PMID: 37003655

Passias PG, Williamson TK, Krol O, Joujon-Roche R, Imbo B, Tretiakov P, Ahmad S, Bennett-Caso C, Lebovic J, Owusu-Sarpong S, Park P, Chou D, Vira S, Diebo BG, Schoenfeld AJ. **Patient-Centered Outcomes Following Prone Lateral Single-Position Approach to Same-Day Circumferential Spine Surgery.** Spine (Phila Pa 1976). 2024 Feb 1;49(3):174-180. doi: 10.1097/BRS.0000000000004648. Epub 2023 Mar 24. PMID: 37000000

Marigi EM, Bartels DW, Aibinder WR, Cofield RH, Sperling JW, Sanchez-Sotelo J, Barlow JD. **Hemiarthroplasty for proximal humerus fractures and for fracture sequelae: did not differ in their outcomes.** JSES Int. 2022 Nov 9;7(2):239-246. doi: 10.1016/j.jseint.2022.10.009. eCollection 2023 Mar. PMID: 36911773

Aibinder WR, Uddin F, Bicknell RT, Krupp R, Scheibel M, Athwal GS. **Stressshielding following stemless anatomic total shoulder arthroplasty.** Shoulder Elbow. 2023 Feb;15(1):54-60. doi: 10.1177/17585732211058804. Epub 2021 Nov 24. PMID: 36895609

Manuscripts 2023 - 2024

Chee A, Çeliker P, Basedow K, Islam M, Baksh N, Shah NV, Eldib AM, Eldib H, Diebo BG, Naziri Q. **A call to "own the bone": osteoporosis is a predictor for adverse two-year outcomes following total hip and knee arthroplasty.** Eur J Orthop Surg Traumatol. 2023 Oct;33(7):2889-2894. doi: 10.1007/s00590-023-03499-w. Epub 2023 Mar 9. PMID: 36894707

Diebo BG, Kovoov M, Alsoof D, Beyer GA, Rompala A, Balmaceno-Criss M, Mai DH, Segreto FA, Shah NV, Lafage R, Passias PG, Aaron RK, Daniels AH, Paulino CB, Schwab FJ, Lafage V. **Metabolic Bone Disorders Are Predictors for 2-year Adverse Outcomes in Patients Undergoing 2-3 Level Anterior Cervical Discectomy and Fusion for Cervical Radiculopathy or Myelopathy.** Clin Spine Surg. 2023 Apr 1;36(3):120-126. doi: 10.1097/BSD.0000000000001452. Epub 2023 Mar 3. PMID: 36864582

Shah NV, Lettieri MJ, Gedailovich S, Kim D, Oad M, Veenema RJ, Wolfert AJ, Beyer GA, Wang H, Nunna RS, Hollern DA, Lafage R, Challier V, Merola AA, Passias PG, Schwab FJ, Lafage V, Paulino CB, Diebo BG. **The Impact of Asymptomatic Human Immunodeficiency Virus-Positive Disease Status on Inpatient Complications Following Spine Surgery: A Propensity Score-Matched Analysis.** J Clin Med. 2023 Feb 12;12(4):1458. doi: 10.3390/jcm12041458. PMID: 36835993

Tischler EH, Tsai SHL, Wolfert AJ, von Keudell A, Roudnitsky V, Gross J, Suneja N. **Is There a Role for Anti-factor Xa Activity Assay in Venous Thromboembolism Prophylaxis Management Among Orthopaedic Trauma Patients? Systematic Review and Meta-analysis.** J Orthop Trauma. 2023 Sep 1;37(9):e368-e376. doi: 10.1097/BOT.0000000000002611. PMID: 37053117

Oleru OO, Shah NV, Zhou PL, Sedaghatpour D, Mistry JB, Wham BC, Kurtzman J, Mithani SK, Koehler SM. **Recent Smoking History Is Not Associated with Adverse 30-Day Standardized Postoperative Outcomes following Microsurgical Reconstructive Procedures of the Upper Extremity.** Plast Surg (Oakv). 2023 Feb;31(1):61-69. doi: 10.1177/22925503211024755. Epub 2021 Jun 17. PMID: 36755815

Ahmad W, Bell J, Krol O, Passfall L, Kamalpathy P, Imbo B, Tretiakov P, Williamson T, Joujon-Roche R, Moattari K, Kummer N, Vira S, Lafage V, Paulino C, Schoenfeld AJ, Diebo B, Hassanzadeh H, Passias P. **Failure to Normalize Risk Profile of Spine Fusion Patients With Coronary Artery Disease Previously Treated With Percutaneous Stent Revascularization.** Int J Spine Surg. 2023 Feb;17(1):139-145. doi: 10.14444/8392. Epub 2023 Feb 7. PMID: 36750313

Naessig S, Pierce K, Ahmad W, Passfall L, Krol O, Kummer NA, Williamson T, Imbo B, Tretiakov P, Moattari K, Joujon-Roche R, Zhong J, Balouch E, O'Connell B, Maglaras C, Diebo B, Lafage R, Lafage V, Vira S, Hale S, Gerling M, Protosaltis T, Buckland A, Passias PG. **External Validation of the National Surgical Quality Improvement Program Calculator Utilizing a Single Institutional Experience for Adult Spinal Deformity Corrective Surgery.** Int J Spine Surg. 2023 Apr;17(2):168-173. doi: 10.14444/8419. Epub 2023 Feb 15. PMID: 36792364

Maheshwari AV, Kobryn A, Alam JS, Tretiakov M. **Single-Stage versus Multi-Stage Intramedullary Nailing for Multiple Synchronous Long Bone Impending and Pathologic Fractures in Metastatic Bone Disease and Multiple Myeloma.** Cancers (Basel). 2023 Feb 15;15(4):1227. doi: 10.3390/cancers15041227. PMID: 36831569

Baksh N, Nadarajah V, Connors KM, Bains SS, Chen Z, Dubin JA, Naziri Q. **Does preoperative corticosteroid injection increase the risk of periprosthetic joint infection after reverse shoulder arthroplasty?** J Shoulder Elbow Surg. 2023 Jul;32(7):1459-1464. doi: 10.1016/j.jse.2023.01.008. Epub 2023 Feb 1. PMID: 36737032

Shah NV, Coste M, Wolfert AJ, Gedailovich S, Ford B, Kim DJ, Kim NS, Ikwuazom CP, Patel N, Dave AM, Passias PG, Schwab FJ, Lafage V, Paulino CB, Diebo BG. **The Impact of Prematurity at Birth on Short-Term Postoperative Outcomes Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis.** J Clin Med. 2023 Feb 3;12(3):1210. doi: 10.3390/jcm12031210. PMID: 36769858

Gedailovich S, Deegan L, Hayes W, Koehler SM, Aibinder WR. **The medial forearm fascia and lateral forearm fascia contribute to overhead elbow extension in displaced olecranon fractures: a biomechanical study.** J Shoulder Elbow Surg. 2023 May;32(5):1074-1078. doi: 10.1016/j.jse.2023.01.005. Epub 2023 Jan 31. PMID: 36736655

Khabyeh-Hasbani N, Connors K, Buksbaum JR, Koehler SK. **Current Concepts in the Management of Neurogenic Thoracic Outlet Syndrome: A Review.** Plast Reconstr Surg Glob Open. 2023 Mar 3;11(3):e4829. doi: 10.1097/GOX.0000000000004829. eCollection 2023 Mar. PMID: 36875924

Passias PG, Krol O, Owusu-Sarpong S, Tretiakov P, Passfall L, Kummer N, Ani F, Imbo B, Joujon-Roche R, Williamson TK, Sagoo NS, Vira S, Schoenfeld A, De la Garza Ramos R, Janjua MB, Sciubba D, Diebo BG, Paulino C, Smith J, Lafage R, Lafage V. **The Effects of Global Alignment and Proportionality Scores on Postoperative Outcomes After Adult Spinal Deformity Correction.** Oper Neurosurg (Hagerstown). 2023 May 1;24(5):533-541. doi: 10.1227/ons.0000000000000572. Epub 2023 Jan 23. PMID: 36688681

Manuscripts 2023 - 2024

Patel NP, Elali F, Coban D, Changoor S, Shah NV, Sinha K, Hwang K, Faloony M, Paulino CB, Emami A. **The 5-factor modified Frailty Index (mFI-5) predicts adverse outcomes after elective Anterior Lumbar Interbody Fusion (ALIF).** N Am Spine Soc J. 2022 Dec 5;13:100189. doi: 10.1016/j.xnsj.2022.100189. eCollection 2023 Mar. PMID: 36579159

Ng MK, Kobryn A, Emara AK, Krebs VE, Mont MA, Piuze NS. **Decreasing trend of inpatient mortality rates of aseptic versus septic revision total hip arthroplasty: an analysis of 681,034 cases.** Hip Int. 2023 Nov;33(6):1063-1071. doi: 10.1177/11207000221140346. Epub 2022 Dec 8. PMID: 36480921

Amirouche F, Dolan M, Pradhan S, Mikhael M, Monsef JB. **Assessment of Cervical and Lumbar Kinematics in Simulated Open and Closed Kinetic Chain.** Int J Spine Surg. 2023 Feb;17(1):51-59. doi: 10.14444/8382. Epub 2022 Oct 27. PMID: 36302601

Tischler EH, Wolfert AJ, Lyon T, Suneja N. **A review of open pelvic fractures with concurrent genitourinary injuries.** Eur J Orthop Surg Traumatol. 2023 Jul;33(5):1515-1521. doi: 10.1007/s00590-022-03388-8. Epub 2022 Oct 9. PMID: 36209481

Passias PG, Williamson TK, Krol O, Tretiakov PS, Joujon-Roche R, Imbo B, Ahmad S, Bennett-Caso C, Owusu-Sarpong S, Lebovic JB, Robertson D, Vira S, Dhillon E, Schoenfeld AJ, Janjua MB, Raman T, Protosaltis TS, Maglaras C, O'Connell B, Daniels AH, Paulino C, Diebo BG, Smith JS, Schwab FJ, Lafage R, Lafage V. **Should Global Realignment Be Tailored to Frailty Status for Patients Undergoing Surgical Intervention for Adult Spinal Deformity?** Spine (Phila Pa 1976). 2023 Jul 1;48(13):930-936. doi: 10.1097/BRS.0000000000004501. Epub 2022 Oct 3. PMID: 36191091

Passias PG, Pierce KE, Williamson TK, Krol O, Lafage R, Lafage V, Schoenfeld AJ, Protosaltis TS, Vira S, Line B, Diebo BG, Ames CP, Kim HJ, Smith JS, Chou D, Daniels AH, Gum JL, Shaffrey CI, Burton DC, Kelly MP, Klineberg EO, Hart RA, Bess S, Schwab FJ, Gupta MC; International Spine Study Group. **Pelvic Nonresponse Following Treatment of Adult Spinal Deformity: Influence of Realignment Strategies on Occurrence.** Spine (Phila Pa 1976). 2023 May 1;48(9):645-652. doi: 10.1097/BRS.0000000000004464. Epub 2022 Sep 14. PMID: 36102572

Williamson TK, Krol O, Tretiakov P, Joujon-Roche R, Imbo B, Ahmad S, Owusu-Sarpong S, Lebovic J, Ihejirika-Lomedico R, Dinizo M, Vira S, Dhillon E, O'Connell B, Maglaras C, Schoenfeld AJ, Janjua MB, Alan N, Diebo B, Paulino C, Smith JS, Raman T, Lafage R, Protosaltis T, Lafage V, Passias PG. **Crossing the Bridge From Degeneration to Deformity: When Does Sagittal Correction Impact Outcomes in Adult Spinal Deformity Surgery?** Spine (Phila Pa 1976). 2023 Feb 1;48(3):E25-E32. doi: 10.1097/BRS.0000000000004461. Epub 2022 Aug 23. PMID: 36007130

Marder RS, Gopie I, Ikwuazom CP, Tozzi D, Shah NV, Naziri Q, Maheshwari AV. **The impact of surgical trainee involvement in total hip arthroplasty: a systematic review of surgical efficacy, patient safety, and outcomes.** Eur J Orthop Surg Traumatol. 2023 May;33(4):1365-1409. doi: 10.1007/s00590-022-03290-3. Epub 2022 Jun 5. PMID: 35662374

Marder RS, Shah NV, Naziri Q, Maheshwari AV. **The impact of surgical trainee involvement in total knee arthroplasty: a systematic review of surgical efficacy, patient safety, and outcomes.** Eur J Orthop Surg Traumatol. 2023 Feb;33(2):255-298. doi: 10.1007/s00590-021-03179-7. Epub 2022 Jan 13. PMID: 35022881

Krol O, McFarland K, Owusu-Sarpong S, Sagoo N, Williamson T, Joujon-Roche R, Tretiakov P, Imbo B, Dave P, Mir J, Lebovic J, Onafowokan OO, Schoenfeld AJ, De la Garza Ramos R, Janjua MB, Sciubba DM, Diebo BG, Vira S, Smith JS, Lafage V, Lafage R, Passias PG. **Impact of Frailty on the Development of Proximal Junctional Failure: Does Frailty Supersede Achieving Optimal Realignment?** Spine (Phila Pa 1976). 2023 Oct 1;48(19):1348-1353. doi: 10.1097/BRS.0000000000004719. Epub 2023 May 12. PMID: 37199421

Joujon-Roche R, Dave P, Tretiakov P, McFarland K, Mir J, Williamson TK, Imbo B, Krol O, Lebovic J, Schoenfeld AJ, Vira S, Lafage R, Lafage V, Passias PG. **Costs of Surgery in Adult Spinal Deformity: Do Higher Cost Surgeries Lead to Better Outcomes?** Spine (Phila Pa 1976). 2024 Feb 15;49(4):255-260. doi: 10.1097/BRS.0000000000004716. Epub 2023 May 10. PMID: 37163657

Passias PG, Joujon-Roche R, Mir JM, Williamson TK, Tretiakov PS, Imbo B, Krol O, Passfall L, Ahmad S, Lebovic J, Owusu-Sarpong S, Lanre-Amos T, Protosaltis T, Lafage R, Lafage V, Park P, Chou D, Mummaneni PV, Fu KG, Than KD, Smith JS, Janjua MB, Schoenfeld AJ, Diebo BG, Vira S. **Natural history of adult spinal deformity: how do patients with suboptimal surgical outcomes fare relative to nonoperative counterparts?** J Neurosurg Spine. 2023 Apr 14;39(1):92-100. doi: 10.3171/2023.2.SPINE22559. Print 2023 Jul 1. PMID: 37060316



DOWNSTATE
HEALTH SCIENCES UNIVERSITY