

# Paul M. Al-Attar, M.D., M.S.

## Employment

Center for Spine and Orthopedics, Thornton, CO, 07/28/2025 - present  
Orthopedic Spine Surgeon

Michigan Surgery Specialists, P.C., Warren, MI, 11/1/2023 - 07/1/2025  
Orthopedic Spine Surgeon

## Education/Training

Icahn School of Medicine at Mount Sinai, New York, NY  
Department of Orthopedic Surgery, Spine Surgery Fellowship, 08/01/2022 – 7/31/2023  
AO Spine North America Fellowship Program

Southern Illinois University School of Medicine, Springfield, IL  
Orthopedic Surgery Residency, 07/01/2017 – 06/24/2022  
Chief Resident, 07/01/2021 – 06/24/2022

University of Michigan Medical School, Ann Arbor, MI  
Medical Doctor, 08/13/2012 – 05/12/2017  
Dual Degree Program: University of Michigan School of Public Health  
Master of Science in Clinical Research, 07/01/2015 – 07/1/2016

University of Michigan, Ann Arbor, MI  
Bachelor of Science, Neuroscience, 09/01/2008 – 04/28/2012  
Minor, Classical Civilizations  
University Honors

## Publications

Tang J, Gal JS, Geng E, Duey A, Ferriter P, Sicard R, Zaidat B, Girdler S, Rhee H, Zapolsky I, Al-Attar P, Markowitz J, Kim J, Cho S. An 11-Year-Long Analysis of the Risks Associated With Age in Patients Undergoing Anterior Cervical Discectomy and Fusion in a Large, Urban Academic Hospital. *Global Spine J.*, 2025.

Duey AH, Gonzalez C, Geng EA, Ferriter PJ Jr, Rosenberg AM, Isleem UN, Zaidat B, Al-Attar PM, Markowitz JS, Kim JS, Cho SK. The Effect of Subsidence on Segmental and Global Lordosis at Long-term Follow-up After Anterior Cervical Discectomy and Fusion. *Neurospine*, 2022.

Ryan M Sicard BS, Justin Tang, BS, Jonathan S Gal, MD, Eric Geng, BA, Akiro Duey BS, Pierce Ferriter BS, Bashar Zaidat BS, Steven Girdler MD, Hannah Rhee MD, Ivan Zapolsky MD, Paul Al-attar MD, Jonathan Markowitz MD, Jun Kim, MD, Samuel Cho, MD. Risks Associated with Anterior Cervical Discectomy and Fusion Across Elderly Patient Subgroups, an 11-Year Comparison at a Large, Urban Academic Hospital. *J of Neurosurg: Spine*, 2022.

Al-Attar P, Ryan B, Wottowa C. Case Report of Novel Fixation Technique with Intraoperative O-Arm Use in Posterior Sternoclavicular Joint Dislocation in a Pediatric Patient. *Journal of Shoulder and Elbow Surgery*, 2022.

Donald S. Likosky, Ph.D.; Paul M. Al-Attar; David J. Malenka, MD; Anthony P. Furnary, MD; Eric J. Lehr, MD, Ph.D.; Gaetano Paone, MD, MHSA; Mallika Kommareddi, MPH; Robert Helm, MD; Ruyun Jin, MD, MCR; Chuck Maynard, Ph.D.; Eric C. Hanson, MD; Elaine M. Olmstead, BA; Todd A. Mackenzie, Ph.D.; Cathy S. Ross, MS; Min Zhang, Ph.D., for the Cardiac Surgery Quality IMPROVEMENT (IMPROVE) Network. Geographic Variability in Potentially Discretionary Red Blood Cell Transfusions After Coronary Artery Bypass Grafting Surgery. *J Thorac Cardiovasc Surg*, 2014.

Shih T, Cole AI, Al-Attar PM, Chakrabarti BS, Fardous HA, Helvie PF, Kemp MT, Lee C, Shtull-Leber E, Campbell DA Jr., Englesbe MJ. Assessing the Reliability of Surgeon-Specific Reporting of Complications After Colectomy. *Annals of Surgery*, May 2015.

Johnston A., Fritz Y., Dawes S.M., Diaconu D., Al-Attar P.M., Guzman A.M., Chen C.S., Fu W., Gudjonsson J.E., McCormick T.S., & Ward N.L. Keratinocyte overexpression of IL-17C promotes psoriasiform skin inflammation. *Journal of Immunology*. 2013, Mar; 190(5): 2252-2262.

Filson C., Montgomery J., Dailey S., Crossley H., Al-Attar P., He C., Lentz H., Tallman C., & Weizer A. Risk of complications of perioperative mitomycin (MMC) among bladder cancer patients undergoing endoscopic tumor resection. *Journal of Urology*. 2012, Apr; 187(4): E676-E677.

Canvasser N., Weizer A., Tallman C., Crossley H., Eaton K., Brunner S., He C., Kunju L., Al-Attar P., Barkin J., Dailey S., Lee C., Montie J., & Montgomery J. Variant histology in bladder cancer: survival outcomes in a large single-institution cystectomy series. *Journal of Urology*. 2012, Apr; 187(4): E706.

Chen CS, Al-Attar PM, Fu W, Loyd CM, Riblett MB, Xing X, Voorhees JJ, Elder JT, Ward NL, Gudjonsson JE, Johnston A. IL-17C is overexpressed in psoriasis skin and contributes to cytokine-driven inflammation. *J Invest Dermatol*. 131 (Supplement 1) Supp: S5, 2011. Society for Investigative Dermatology. Phoenix, AZ, May 2011.

Al-Attar PM, Gudjonsson JE, Ward NL, Riblett M, Xing X, Voorhees JJ, Elder JT, Johnston A. A role for the novel proinflammatory cytokine IL-17C in the pathogenesis of psoriasis. *J Invest Dermatol*. 130 (Supplement 1) Supp: S15, 2010. Society for Investigative Dermatology. Atlanta, GA, May 2010.

## Presentations

Michael Saturno BA, Mateo Restrepo Mejia BS, Justin Tang BS, Wasil Ahmed BS, Jonathan Markowitz MD, Paul Al-Attar MD, Ivan Zapolsky MD, Jun Kim MD, Samuel Cho MD. Can Generative Artificial Intelligence Provide Accurate Medical Advice?: A Case of ChatGPT vs. Congress of Neurological Surgeons Management of Acute Cervical Spine and Spinal Cord Injuries Clinical Guideline. Cervical Spine Research Society Annual Meeting. Nov 29-Dec2, 2023; Las Vegas, NV.

Paul Al-Attar MD, Eric Geng BS, Calista Dominy BS, Jonathan Markowitz MD, Jared Doan BS, Tim Yoon MD, PhD, Ho-Joong Kim MD, PhD, Matthew Gary MD, Samuel Cho MD. Trends in Topical Antibiotic Use After Open and Minimally Invasive 1-2 Level Posterior Lumbar Fusion: A Global Survey of 280 Spine Surgeons. AO Spine North America Fellows Forum, March 30-April 2, 2023; Banff, Alberta, CA.

Al-Attar P, DiPompeo C, Kurcz B, Murphy H, Williams J, VanFleet T. Expandable vs Static Cage in Minimally Invasive Transforaminal Lumbar Interbody Fusion Surgery: A Single Institution Study. 3<sup>rd</sup> place podium presentation at SIU Orthopedic Resident Research Symposium, 2022.

Al-Attar P, Ryan B, Wottowa C. Case Report of Novel Fixation Technique with Intraoperative O-Arm Use in Posterior Sternoclavicular Joint Dislocation in a Pediatric Patient. 1<sup>st</sup> place poster at SIU School of Medicine Resident Research Day, 2022.

Paul Al-Attar; Steven F. Bolling, MD; Gaetano Paone, MD, MHSA; Alphonse DeLucia III, MD; Patty Theurer, BSN, RN; Richard L. Prager, MD; Donald S. Likosky, PhD for the Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative. Determinants and Impact of Platelet Transfusions After Cardiac Surgery. Poster Presentation at: American Heart Association Quality of Care and Outcomes, June 2-4, 2014; Baltimore, MD.

Freundlich R, Tallman C, Al-attar P, He C, Weizer A, Montgomery J, Wood D, Smith D, Hafez K, Lee C. Are the Results of Neoadjuvant Chemotherapy Trials Generalizable to Elder Patients with Muscle Invasive Bladder Cancer? Abstract accepted as Podium Presentation at: Annual Meeting of the North Central Section of the AUA, October 18-22, 2011; Rancho Mirage, CA.

Milose J, Tallman C, Al-attar P, He C, Crossley H, Montgomery J, Wu A, Weizer A, Hafez K, Lee C. Treatment Patterns and Survival of Patients with Sarcomatoid Bladder Cancer. Abstract accepted as Podium Presentation at: Annual Meeting of the North Central Section of the AUA, October 18-22, 2011; Rancho Mirage, CA.

## Courses

Stryker 2024 Young Lions Course, Denver, CO, 6/20 – 6/21/2024

Stryker Minimally Invasive Solutions Course, Fort Lauderdale, FL, 2/2/2024

AO Spine North America Fellows Forum, Banff, Alberta, CA, 3/30 – 4/2/2023

AO Spine North America – Controversies in Complex Spinal Surgery Course for Fellows, Las Vegas, NV, 09/29 – 10/01/2022

Cervical Spine Research Society (CSRS) Hands-On Surgical Techniques Course, Carmel, IN, 07/21 – 07/23/2022

AO Spine North America Course – Principles and Treatment of Spinal Disorders for Residents, Las Vegas, NV, 10/29 – 10/30/2021

Zimmer Biomet National Course for Orthopedic Residents, Las Vegas, NV, 08/05 – 08/07/2021

American Orthopaedic Association (AOA) C. McCollister Everts Resident Leadership Forum, Virtual, 06/07 – 06/08/2021

Medtronic Future Spine Leaders Premier Program, Miami, FL, 05/20 – 05/22/2021

Arthroscopy Association of North America (AANA) Foundations in Arthroscopy Residents Course, Rosemont, IL, 01/16 – 01/18/2020

Zimmer Biomet National Residents Course, Rosemont, IL, 08/15 – 08/17/2019

Orthopedic Trauma Association (OTA) Comprehensive Fracture Course for Residents, Rosemont, IL, 04/04 – 04/07/2018

## Lectures

“Acute and Chronic Conditions of the Lumbar Spine”, 01/14/2025  
Virtual CEU Webinar for Workers’ Comp Case Managers, Detroit, MI

“Degenerative Conditions of the Lumbar Spine”, 10/08/2024  
Team Rehabilitation Physical Therapy, Royal Oak, MI

“Degenerative Conditions of the Lumbar Spine”, 05/07/2024  
Department of Family Medicine, Wayne State University Family Medicine Residency, Detroit, MI

"Common Complications in Anterior Cervical Discectomy and Fusion Surgery", 03/01/2023  
Department of Orthopedics, Icahn School of Medicine at Mount Sinai, New York, NY

“Bisphosphonate-related Atypical Femur Fractures”, 12/02/2019  
Division of Orthopedics and Rehabilitation Grand Rounds, Southern Illinois University School of Medicine, Springfield, IL

## Committees/Leadership

Journal Reviewer, Seminars in Spine Surgery, 2023

Chief Resident, SIU Orthopedic Surgery Residency, Springfield, IL, 07/01/2021 – 06/24/2022

Interviewer/Interview Committee Member, Orthopedic Surgery Residency Interviews, Southern Illinois University School of Medicine, 12/11/2021 & 12/18/2021

House Staff Board of Directors, Orthopedic Surgery Residency Representative, Southern Illinois University School of Medicine, 07/01/2020 – 06/24/2022

Nominated by my peers in the Orthopedic Surgery division to represent our program on the House Staff Board of Directors for 2 years

Resident Coordinator for Journal of Bone and Joint Surgery (JBJS) Robert Bucholz Resident Journal Club Grant Program, SIU Division of Orthopedics, 10/01/2020 – 10/01/2021

Admissions Committee, Interviewer, University of Michigan Medical School, 09/01/2013 – 05/01/2017

## Professional Affiliations and Awards

American Board of Orthopaedic Surgery (ABOS), Board Eligible (Part 1 passed, 2022)

AO Spine North America, Fellow, 2022-2023

North American Spine Society, Member, 2021 - present

American Academy of Orthopedic Surgery Member, 2017 - present

Illinois State Medical Society, Member, 2017 - present

Michigan Institute for Clinical and Health Research (MICH) Scholar, 2015 - 2016

American Association for Thoracic Surgery, Summer Intern Scholar, 2013

Summer Biomedical Research Program, University of Michigan Medical School, Scholarship Recipient, 2013

American Medical Association, Member, 2012-2017

Michigan State Medical Society, Member, 2012-2017

University Honors, Bachelor of Science, University of Michigan, 2012