

MedStar Orthopaedics and Sports Medicine Research Network

2025 Publications

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Orthopaedic and Sports Medicine Research Network – North

Published Journal Articles, Abstracts, and Book Chapters

1. Alkaramany E, Gallagher B, Abbasi P, Guyton GP. Medial and lateral column load distribution after in situ subtalar/talonavicular fusion with and without calcaneocuboid fusion: A cadaveric study. *Foot Ankle Int.* 2025;46(9):1025-9.
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5. Bowler A, Glass EA, Corban J, Diestel DR, McDonald-Stahl M, Stevens CS, Arnold RP, Sahi H, Puzzitiello R, Swanson DP, Murthi AM, et al. Surgical and patient factors associated with baseplate failures after reverse shoulder arthroplasty: A study by the ASES Complications of RSA Multicenter Research Group. In press
6. Buddhiraju A, Khanuja HS, Hegde V, Sequeira SB, Mont MA, Jones LC. Epidemiology, management, and systematic review of surgical trends for patients who have osteonecrosis of the femoral head. *J Arthroplasty.* 2025;40(10(suppl 1):S112-S9.e1.
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10. Chou A, An JS, Douoguih WA, Koga H, Ollivier M. Tuberosity-sparing anterior opening wedge tibial osteotomy for correcting recurvatum: effects on functional scores, lower limb coronal alignment, and patellar height. *Ortho J Sports Med.* 2025;13(8):23259671251356689.

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26. Hembree CW, Mathew S, Kuripla CS, Coleman MM, Shao J, Guyton GP. Peroneus brevis allograft reconstruction: clinical outcomes and complications. 2026, In press
27. Hollenczer EG, Rasinski S, Rouse J. Performance characteristics of jump forces and core stability in professional female lacrosse athletes. *International Journal of Athletic Therapy and Training*. 2025;30(6):326-9.
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* Project in collaboration with MedStar Georgetown University Hospital

MUMH Musculoskeletal Research Center

Published Journal Articles, Abstracts, and Book Chapters

1. Abadeer A, Hembd A, Brooks DM, Higgins JP, Giladi A, Shubinet V. Arterial perfusion of the medial femoral trochlea flap examined by micro-computed tomography angiography. *J Hand Surg Am.* 2025;50(8):915-21. *
2. Carroll A, Day J, Cunningham B, Naseer Z, Moatz B, Hashemi S, Asdourian P, McAfee PC. Comparative analysis of a 3D printed expandable lumbar interbody spacer versus a traditional static spacer: A retrospective cohort study of clinical and radiographic outcomes. *Spine J.* 2025;25(11Suppl):S145-S6. *
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* Project in collaboration with MedStar Georgetown University Hospital

MUMH Innovation in Motion Lab

Published Journal Articles

1. Chen J, Martelli D, Agrawal S. Association between cognitive function and spatial–temporal measures of gait and balance when navigating a virtual reality floor maze. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 33:3534-3543, 2025
2. Snyder SJ, Fakhar M, Shim JK, Miller RH. Gender differences in peak medial joint contact forces during activities of daily living. *PeerJ*. 2025;13:e19677.
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MedStar Orthopaedic and Sports Medicine Research Network – South
MedStar Georgetown University Hospital

Published Journal Articles, Abstracts, and Book Chapters

1. Ahorukomeye P, Benn L, Stephens S, Woods B, Lipa S, Mesfin A. A living legend: Augustus A. White III, MD, PhD, FAOA. *Spine J.* 2025;25(10):2132-2138.
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8. Brian A. Davis, Hudson KB, O'Connor FG, Jonas CE. Ethical considerations in sports medicine. In: *ACSM's Sports Medicine: A Comprehensive Review.* LWW; 2025.
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11. Carender CN, Hegde V, Levine BR, Huddleston JI, Cohen-Rosenblum A. Highlights of the 2024 American Joint Replacement Registry Annual Report. *Arthroplast Today.* 2025;33:101727.
12. Carenzo L, Berman S, Bigard X, Hudson KB, Garrandes F, Migliorini S, Sedgley MD, Troyanos C, Pustel C, Adami PE. Standardized emergency medical care in mass participation

endurance events: Race Emergency Medicine Course (REMC) Educational Program. *Sports Medicine - Open*. 2025;11(1):159.

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15. Carroll AH, Lucas S, Covell MM, Backstrom Z, Johnson D, Ferguson J. Investigation of orthopaedic surgery resident education regarding the management of unintentional durotomies. *J Am Acad Orthop Surg*. 2025;33(22):1277-1284.
16. Chan V, Gausper A, Liu A, et al. Canadian Spine Society: 25th Annual Scientific Conference, February 25 to 28, 2025, Fairmont Le Manoir Richelieu, La Malbaie, Charlevoix, Que., Canada. *Can J Surg*. 2025;68(6suppl3):S58-S132.
17. Curtin B, Levine B, Nandi S. Routine pathologic examination of femoral heads is not warranted. *Arthroplast Today*. 2025;31:101624.
18. Dandamudi S, Guerrero O, DeBenedetti A, Minter J, Levine BR. Rotating hinge revision total knee arthroplasty with and without porous cone adjunct fixation. *J Arthroplasty*. 2025;40(7S1):S277-S282.
19. Dandamudi S, Jan K, Majji I, DeBenedetti A, Behery O, Levine BR. What are the preferences in patient-physician communication among total joint arthroplasty patients? *Arthroplast Today*. 2025;33:101682.
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31. Fayad LM, Ahlawat S, Srikumaran U, Khanna AJ. Correlation of MRI with other imaging modalities. In: *MRI in Orthopaedics and Sports Medicine*. Thieme Verlag; 2026:84-90.
32. Fernandez C, Brownell M, Eom R, et al. Patellar alignment compared between kinematic and mechanical unicompartmental knee arthroplasties. *J Orthop*. 2025;70:77-81.
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