

## Emily Ann Schultz

MD Student with Scholarly Concentration in Clinical Research / Surgery,  
expected graduation Spring 2029

### Publications

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#### PUBLICATIONS

- **Pregame and Halftime Intravenous Hyperhydration Practices in National Collegiate Athletic Association Football Bowl Subdivision Teams.** *Clinical journal of sport medicine : official journal of the Canadian Academy of Sport Medicine*  
Schultz, E. A., Song, L., Hwang, C. E.  
2026
- **Who Enrolls After Referral to Virtual Pulmonary Rehabilitation? A Descriptive Comparison.** *Chronic obstructive pulmonary diseases (Miami, Fla.)*  
Schultz, E. A., Frank, M., Eppler, S. L., Dymock, M., Kamal, R. N., Maheshwari, J., Eggert, L. E.  
2026
- **Drivers of Delayed Time to Surgery for Hip Fracture Patients: A Multi-Center Qualitative Study.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Schultz, E. A., Welch, J. M., Cross, W., Shah, K., Mansuripur, P. K., Kain, M., Holte, P., Lee, B. J., Burn, M., Hall, K., Willey, M., McKee, M., Pang, et al  
2025
- **Outcomes and Quality of Evidence of the Treatment of Upper Extremity Cartilage Injuries: A Systematic Review.** *The journal of hand surgery Asian-Pacific volume*  
Schultz, E. A., Snyder, E. M., Tian, A., Kamal, R. N.  
2025
- **Development of International Quality Measures Targeting Low-Value Care in Hand Surgery.** *The Journal of hand surgery*  
Schultz, E. A., Kamal, R. N., Shapiro, L. M.  
2025
- **Is Area-Level Social Vulnerability Index Associated With Patient-Level Health-Related Social Needs in Hand Surgery?** *The Journal of the American Academy of Orthopaedic Surgeons*  
Schultz, E. A., Zhuang, T., Shapiro, L. M., Kamal, R. N.  
2025
- **MRI for Scaphoid Nonunion: Utilization Rates, Factors Associated with Utilization, and Subsequent Vascularized Bone Graft Use.** *The Journal of hand surgery*  
Shapiro, L. M., Schultz, E. A., Welch, J., Zhuang, T., Kamal, R. N.  
2024
- **Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series.** *Clinical orthopaedics and related research*  
Schultz, E. A., Gomez, G. I., Gardner, M. J., Hu, S. S., Safran, M., Amanatullah, D. F., Shapiro, L. M., Kamal, R. N.  
2024
- **Quality Measures Addressing Orthopaedic Surgery in Ambulatory Surgery Centers: A Systematic Review**  
Snyder, E., Schultz, E. A., Shapiro, L. M., Kamal, R. N.  
LIPPINCOTT WILLIAMS & WILKINS.2024: S333-S334
- **Surgeon Alignment With Clinical Practice Guidelines: A Qualitative Analysis of Treatment of Distal Radius Fractures.** *Hand (New York, N.Y.)*

- Schultz, E. A., Eppler, S. L., Shapiro, L. M., Kamal, R. N.  
2024: 15589447241277843
- **Health Numeracy Is Associated With a Patient's Ability to Interpret Patient-Reported Outcome Measures Data.** *Orthopedics*  
Schultz, E. A., Eppler, S. L., Gardner, M., Hu, S. S., Chou, L., Safran, M., Amanatullah, D. F., Abrams, G. D., Shapiro, L. M., Kamal, R. N.  
2024: 1-6
  - **Training Background and Demographic Characteristics of Primary Care Team Physicians in Professional Sports.** *Orthopaedic journal of sports medicine*  
Schultz, E. A., Durtschi, M. S., Oakes, K. G., Kussman, A., Hwang, C. E.  
2024; 12 (4): 23259671241242412
  - **The Safety of the Volar Intraarticular Extended Window (VIEW) Approach for Intra-articular Distal Radius Fractures.** *Hand (New York, N.Y.)*  
Kamal, R. N., Gomez, G. I., Schultz, E. A., Shapiro, L. M.  
2023: 15589447231210926
  - **Is Outpatient Spine Surgery Associated with New, Persistent Opioid Use in Opioid-Naïve Patients? A Retrospective National Claims Database Analysis.** *The spine journal : official journal of the North American Spine Society*  
Schultz, E., Zhuang, T., Shapiro, L. M., Hu, S. S., Kamal, R. N.  
2023
  - **Has the Use of Electrodiagnostic Studies for Carpal Tunnel Syndrome Changed After the 2016 American Academy of Orthopaedic Surgeons Clinical Practice Guideline?** *The Journal of hand surgery*  
Zhuang, T., Shapiro, L. M., Schultz, E. A., Truong, N. M., Harris, A. H., Kamal, R. N.  
2022
  - **Comparison of SARS-CoV-2 Test Positivity in NCAA Division I Student Athletes vs Nonathletes at 12 Institutions.** *JAMA network open*  
Schultz, E. A., Kussman, A., Jerome, A., Abrams, G. D., Hwang, C. E.  
2022; 5 (2): e2147805
  - **The influence of vector-borne disease on human history: socio-ecological mechanisms.** *Ecology letters*  
Athni, T. S., Shocket, M. S., Couper, L. I., Nova, N., Caldwell, I. R., Caldwell, J. M., Childress, J. N., Childs, M. L., De Leo, G. A., Kirk, D. G., MacDonald, A. J., Olivarius, K., Pickel, et al  
2021