



## Matthew Muffly

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

 Curriculum Vitae available Online

### CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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### Bio

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#### CLINICAL FOCUS

- Pediatric anesthesia
- Pediatric Anesthesia

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

#### PROFESSIONAL EDUCATION

- Fellowship: University of Chicago IL
- Medical Education: Thomas Jefferson University Office of the Registrar (2006) PA
- Internship: Lankenau Medical Center PA
- Residency: Dartmouth-Hitchcock Medical Center NH
- Board Certification: Anesthesia, American Board of Anesthesiology (2011)
- M.S., Stanford University , Masters of Health Policy (2019)

### Publications

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#### PUBLICATIONS

- **Where have all the pediatric anesthesiology fellows gone in the USA? Anesthesiology fellowship trends.** *Paediatric anaesthesia*  
Giustini, A. J., Sivak, E. L., Nasr, V. G., Cladis, F. P., Andropoulos, D. B., Deutsch, N., Lockman, J. L., Bower, B., Corridore, M., Muffly, M. K.  
2024
- **Pediatric Surgery from the Roads Less Traveled: Challenges, Communication, and Collaboration from a Community Nonteaching Hospital.** *Journal of pediatric surgery*  
Reynolds, E., Muffly, M., Apple, K., Umbdenstock, R., Soelberg, J., Durkin, E., Raval, M. V., Rich, B. S., Moriarty, K. P., Kim, S. S., Danko, M., Lee, J. D., Metzger, et al  
2023

- **The Effect of Novel Decision Support Tools on Technical and Non-Technical Performance of Teams in Managing Emergencies.** *Journal of medical systems*  
Watkins, S. C., de Oliveira Filho, G. R., Furse, C. M., Muffly, M. K., Ramamurthi, R. J., Redding, A. T., Maass, B., McEvoy, M. D.  
2022; 46 (11): 75
- **Tools for Assessing the Performance of Pediatric Perioperative Teams During Simulated Crises: A Psychometric Analysis of Clinician Raters' Scores.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*  
Watkins, S. C., de Oliveira Filho, G. R., Furse, C. M., Muffly, M. K., Ramamurthi, R. J., Redding, A. T., Maass, B., McEvoy, M. D.  
2021; 16 (1): 20-28
- **Preventing Intravenous Injection Port Contamination.** *Anesthesia and analgesia*  
Muffly, M. K., Loftus, R. W., Yeager, M. P.  
2020; 131 (3): e160-e161
- **Speeding the Detection of Vessel Cannulation: An In-Vitro Stimulation Study** *ANESTHESIA AND ANALGESIA*  
Muffly, M. K., Ku, A., Drover, D. R., Rodriguez, S., Caruso, T. J., Ku, A., Tsui, B. C. H.  
2020; 130 (1): 159-64
- **Practice Characteristics of Board-certified Pediatric Anesthesiologists in the US: A Nationwide Survey** *CUREUS*  
Muffly, M., Scheinker, D., Muffly, T., Singleton, M., Agarwal, R., Honkanen, A.  
2019; 11 (9)
- **Operative Versus Nonoperative Management of Appendicitis: A Long-Term Cost Effectiveness Analysis.** *MDM policy & practice*  
Sceats, L. A., Ku, S., Coughran, A., Barnes, B., Grimm, E., Muffly, M., Spain, D. A., Kin, C., Owens, D. K., Goldhaber-Fiebert, J. D.  
2019; 4 (2): 2381468319866448
- **Hospitalization Patterns for Inpatient Surgery and Procedures in California:2000 – 2016** *Anesthesia and Analgesia*  
Muffly, M. K., Honkanen, A., Scheinker, D., Wang, T., Saynina, O., Singleton, M. A., Wang, C. J., Sanders, L. M.  
2019
- **The Pediatric Anesthesiology Workforce: Projecting Supply and Trends 2015-2035** *ANESTHESIA AND ANALGESIA*  
Muffly, M. K., Singleton, M., Agarwal, R., Scheinker, D., Miller, D., Muffly, T. M., Honkanen, A.  
2018; 126 (2): 568-78
- **Small-Volume Injections: Evaluation of Volume Administration Deviation From Intended Injection Volumes.** *Anesthesia and analgesia*  
Muffly, M. K., Chen, M. I., Claire, R. E., Drover, D. R., Efron, B., Fitch, W. L., Hammer, G. B.  
2017
- **In Response.** *Anesthesia and analgesia*  
Muffly, M., Honkanen, A., Singleton, M.  
2017
- **Reporting of Perioperative Adverse Events by Pediatric Anesthesiologists at a Tertiary Children's Hospital: Targeted Interventions to Increase the Rate of Reporting.** *Anesthesia and analgesia*  
Williams, G. D., Muffly, M. K., Mendoza, J. M., Wixson, N. n., Leong, K. n., Claire, R. E.  
2017
- **The Geographic Distribution of Pediatric Anesthesiologists Relative to the U.S. Pediatric Population.** *Anesthesia and analgesia*  
Muffly, M. K., Medeiros, D., Muffly, T. M., Singleton, M. A., Honkanen, A.  
2016: -?
- **The Current Landscape of US Pediatric Anesthesiologists: Demographic Characteristics and Geographic Distribution** *ANESTHESIA AND ANALGESIA*  
Muffly, M. K., Muffly, T. M., Weterings, R., Singleton, M., Honkanen, A.  
2016; 123 (1): 179-185
- **Hand Contamination of Anesthesia Providers Is an Important Risk Factor for Intraoperative Bacterial Transmission** *ANESTHESIA AND ANALGESIA*  
Loftus, R. W., Muffly, M. K., Brown, J. R., Beach, M. L., Koff, M. D., Corwin, H. L., Surgenor, S. D., Kirkland, K. B., Yeager, M. P.  
2011; 112 (1): 98-105

- **Stopcock lumen contamination does not reflect the full burden of bacterial intravenous tubing contamination: Analysis using a novel injection port** *AMERICAN JOURNAL OF INFECTION CONTROL*  
Muffly, M. K., Beach, M. L., Tong, Y. C., Yeager, M. P.  
2010; 38 (9): 734-739