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EDUCATION

7/1991-5/1995	Bachelor of Science, United States Naval Academy, Annapolis, Maryland
8/1995-5/1999	Doctor of Medicine, University of Iowa, Iowa City, Iowa
8/2002-5/2005	Master of Business Administration, Texas A&M Corpus Christi, Texas
7/2005-1/2008	Residency, Internal Medicine, Naval Medical Center, Portsmouth, Virginia
7/2008-6/2011	Fellowship, Cardiovascular Disease, Naval Medical Center, San Diego, California
7/2011-6/2013	Fellowship, Clinical Cardiac Electrophysiology, St. Luke's Mid-America Heart Institute, Kansas City, Missouri

CLINICAL EXPERIENCE

9/2020-present	Clinical Cardiac Electrophysiologist and Invasive Cardiologist, Mason City Clinic, Mason City, Iowa
8/2013-8/2020	Clinical Cardiac Electrophysiologist and Invasive Cardiologist, Naval Medical Center, Portsmouth, Virginia
5/2001-6/2005	Hospital Flight Surgeon, Naval Hospital Corpus Christi, Texas

PROFESSIONAL TEACHING AND LEADERSHIP EXPERIENCE

1/2024-1/2026	Treasurer, Society for Simulation in Healthcare
1/2023-1/2026	Executive Committee, Society for Simulation in Healthcare
1/2020-1/2021	Co-Chair, International Meeting for Simulation in Healthcare 2021
8/2020- present	Program Director, MercyOne North Iowa Cardiology Fellowship,
4/2017- 4/2020	International Teaching Faculty, American College of Cardiology
8/2013-4/2019	Medical Director, Healthcare Simulation and Bioskills Training Center, Naval Medical Center, Portsmouth, Virginia
8/2013-8/2020	Regional Medical Director for Simulation, Navy Medical Forces Atlantic
1/2017- 1/2018	Program Manager, U.S. Navy Medical Modeling and Simulation

CERTIFICATIONS

11/2011-12/2025	American Board of Internal Medicine, Cardiovascular Diseases
10/2013-12/2033	American Board of Internal Medicine, Clinical Cardiac Electrophysiology
7/2016-7/2026	Certified Healthcare Simulation Educator (CHSE)

HONORS

06/2024	Mercy One North Iowa Cardiology Fellowship, Teacher of the Year
02/2023	American College of Cardiology Emerging Faculty: Advanced Educator
08/2020	Navy Meritorious Service Medal for International Simulation Advancements and Teaching Contributions to U.S. Navy Medicine
01/2020	Appointment, Academy of Fellows, Society for Simulation in Healthcare
12/2018	American College of Cardiology Nishimura and O'Gara Emerging Faculty Leadership Academy selection
6/2011	Navy Achievement Medal for medical simulation curriculum development
6/2008	Navy Commendation Medal (Gold Star) for medical simulation and intern curriculum development

SELECTED PUBLICATIONS

1. Spooner, M, Messe, S, et al. 2024 ACC Expert Consensus Decision Pathway on Practical Approaches for Arrhythmia Monitoring After Stroke: A Report of the American College of Cardiology Solution Set Oversight Committee. JACC 2025, 85(6): 657-681.

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2. Spooner, M. Berlacher, K. Jump Starting the Journey to Transesophageal Echocardiogram Mastery. JAMA Cardiology 2023; 8: 256-257.
3. Spooner, M., Delorey, D., Miller, K., Greer, J. Effectiveness of the Ophthalmological Training Component of the STOMP (Simulation Training for Operational Medicine Providers) Curriculum. Cureus 2021; 13: e13269.
4. Spooner, M., Alex, J., Greer, J., Delorey, D., Kiser, R., Petersen, C., Polk, T., Gunzelman, K. Simulation Training for Operational Medicine Providers (STOMP): Impact of a Comprehensive Skills-based Curriculum for Military General Medical Officers. Military Medicine 2019; 184: e141-e146.
5. Spooner, M., Greer, J., Delorey, D. Capabilities of the Naval Medical Center Portsmouth Medical Simulation Center. Cyber Security and Information Systems Information Analysis Center Journal 2018; 6: 6-12.
6. Polk, T., Greer, J., Alex, J., Kiser, R., Gunzelman, K., Petersen, C., Spooner, M. Simulation Training for Operational Medicine Providers (STOMP): Design and Implementation of a Novel Comprehensive Skills-Based Curriculum for Military General Medical Officers. Military Medicine 2018; 183: 40-46.

SELECTED RESEARCH & ABSTRACTS

1. Munshi, R., Gill, J, Varghese, J., Yacob, O., Patel, E., Spooner, MT., Olshansky, B. Reliability of Artificial Intelligence Chat Bots in Evaluating and Managing Arrhythmias. Heart Rhythm Society, May 2024.
2. Spooner, M., Delorey, D., Follin, K. Comparing APP based training to traditional didactic lecture to evaluate the effectiveness of a new Crash Cart APP. International Meeting for Simulation in Healthcare, Jan 2019.
3. Smith, MK., Delorey, D., Spooner, M. Exploration of Current Staffing Trends in Healthcare Simulation Programs. International Meeting for Simulation in Healthcare, Jan 2019.
4. Greer, JA., McGill, A, Delorey, D., Kiser, RA., Spooner, M. Using Simulation to Teach General Surgeons Obstetric and Gynecological Skills. American College of Surgeons Accredited Education Institutes Annual Meeting, Mar 2019.
5. Spooner, M., Greer, J., Ikari, S. Building a Simulation Event to Rehearse and Evaluate Prolonged Field Trauma Care. International Meeting for Simulation in Healthcare, Jan 2018.
6. Crumpler, C., Appleby, J., Vandall, A., Spooner, M., HM FIRST – Hospital Corpsman Fleet Instructional Readiness and Simulation Training: Design and Implementation of a Skills Based Curriculum for Enlisted Military Physician Extenders, Military Health System Research Symposium, Aug 2017.
7. Spooner, M., Alex, J., Polk, T., Kiser R., Peterson, C., Impact of a Comprehensive Skills-based Curriculum for Military General Medical Officers, International Meeting for Simulation in Healthcare, Jan 2017.
8. Spooner, M., Alex, J., Polk, T., Kiser, R., Petersen, C. STOMP – Simulation Training for Operational Medicine Providers: Design and Implementation of a Comprehensive Skills Based Curriculum for Military General Medical Officers. DoD special presentation, International Meeting for Simulation in Healthcare, Jan 2016; Military Health System Research Symposium, Aug 2016.

SELECTED LECTURES

1. Team Audience Hybrid Simulation (TAHS): A Novel Method for Upscaling Simulation. Workshop. International Meeting for Simulation in Healthcare, Orlando, FL. January 12, 2025.
2. Contemporary approaches to Arrhythmia Diagnosis in a Smart Device World. American College of Cardiology, Annual Meeting. Chicago, IL. March 30, 2025.
3. Catch them Before they Fall: Syncope Guidelines in Action. American College of Cardiology, Annual Meeting. Chicago, IL. March 29, 2025.
4. Jumpstarting Mastery in Cardiology Through Simulation Training. University of Missouri Kansas City Grand Rounds. January 23, 2025.
5. Up-Scaling Simulation: Design and Integration into a large Clinical Meeting. Hot Topics. International Meeting for Simulation in Healthcare, Orlando, FL. January 13, 2025.
6. Paper Airplane Factory Game: Introduction to Process Improvement & Systems. Group Lecture. International Meeting for Simulation in Healthcare, Orlando, FL. January 12, 2025.

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7. Simulation Masters Class. International Meeting for Simulation in Healthcare, Orlando, FL. January 22-25, 2023. San Diego, CA. January 20, 2024.
8. Simulation Technology in Cardiovascular Education. Cardiology Grand Rounds. Weill Cornell Medical Center, New York, NY. November 7, 2023.
9. Confronting Fear: at the Heart of Simulation. 20th annual Safar Symposium. Pittsburgh, PA. May 18-19, 2023.
10. Creating Your Dream Team in Simulation: A Exploration and Exercise in Simulation Staff Trends. International Meeting for Simulation in Healthcare, San Diego, CA. Jan 18-22, 2020.
11. Creating and Designing Mass Casualty In-situ Simulation on Board Military Warships. Royal Navy Medical Annual Meeting, Guest Lecturer. Portsmouth, England. Sept 17-18, 2019.
12. Immersive Cardiology Simulation Experience. American College of Cardiology Latin America Conference. Cartagena, Colombia. July 25-27, 2019.
13. Immersive Simulation Station for Guideline-Based Atrial Fibrillation Care. Faculty. American College of Cardiology Annual Meeting. New Orleans, LA. Mar 16-18, 2019.
14. Stress Free Simulation Learning Environments: Your Pre/Post Briefings are the Key. American College of Cardiology Annual Meeting. New Orleans, LA. Mar 16, 2019.
15. Critical Conversations for Learning: From Grand Rounds to the Simulation Lab. American College of Cardiology Annual Meeting. New Orleans, LA. Mar 16, 2019.
16. Immersive Case Based Simulation Cases. American College of Cardiology Middle East Conference. Jeddah, Saudi Arabia. Oct 26-27, 2018.
17. Immersive Simulation Station for Guideline-Based Heart Failure Care. Faculty. American College of Cardiology Annual Meeting. Orlando, FL. Mar 10-12, 2018.
18. Cardio-X: An Interactive Case Based Presentation. Atrial Fibrillation, Heart Failure, and Acute Valvular Failure Sessions. Brazilian Society of Cardiology Annual Meeting. Sao Paulo, Brazil. Nov 4, 2017.

CURRICULUM DESIGN

1. Chair, American College of Cardiology, Raising the Bar in Cardiac Monitoring, Online Training Module. August, 2021.
2. Simulation Training for Operational Medicine Providers (STOMP). Primary Care Skills, Standardized Patient, and Lecture Curriculum for all U.S. Navy graduating PGY-1 physicians assigned to General Medical Officer (GMO) assignments. Course designer and director. 2015-2019.
3. Internal Medicine Skills Update Through Simulation Training to Avoid Impairment through Neglect (IM SUSTAIN). Internal medicine Core Procedural Skills Curriculum Designed for all U.S. Navy Internists. Course designer and director. 2018-2019.

PROFESSIONAL COMMITTEES & ACTIVITIES

3/2023 to 3/2026	Lifelong Learning Oversight Committee, American College of Cardiology
8/2022 to present	Graduate Medical Education Committee, Mercy One North Iowa Medical Consortium
1/2022 to 1/2024	Board of Directors, At-Large Appointee, Society for Simulation in Healthcare
3/2022 to 3/2023	Nominations Committee Member, Society for Simulation in Healthcare
1/2022 to 1/2024	Finance and Audit Committee Member, Society for Simulation in Healthcare
2/2023 to 4/2024	Virtual Reality Technology Working Group, American College of Cardiology
10/2019 to 3/2021	Planning Chair, International Meeting for Simulation in Healthcare 2021, Virtual Online Meeting
1/2019 to 1/2021, 2023	Meetings Oversight Commission, Society for Simulation in Healthcare
4/2017 to present	Co-Chair, American College of Cardiology (ACC) Simulation Work Group
1/2017 to 1/2019	Chair, Society for Simulation in Healthcare (SSIH), Directors Special Interest Group
1/2017 to 12/2017	Member, Defense Health Agency Joint Program Committee One: Healthcare Training Technologies
1/2017 to 1/2018	Chair, Navy Central Simulation Committee