

**Matthew Ryan D'Angelo, DNP, CRNA, MHPE, MSS, FAANA**  
**Chief, Division of Nurse Anesthesia**  
**Department of Anesthesiology**  
**University of Maryland School of Medicine**  
**Baltimore, Maryland 21201**

**EDUCATION:**

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
2021	MSS	National War College, NDU Washington, DC
2019	MHPE	Uniformed Services University, Bethesda, MD
2008	DNP	University of Maryland, Baltimore, MD
2001	MS	Georgetown University, Washington, DC
1998	BSN	University of Maryland, Baltimore, MD

**PROFESSIONAL EXPERIENCE:**

**Academic Appointments:**

<b>Year</b>	<b>Position</b>	<b>Scope of Role</b>
11/2023 – present	Chief, Division of Nurse Anesthesia University of Maryland School of Medicine	Provide division leadership across three operating rooms for CRNA staff at a tertiary care medical center. Provides subject matter expertise to University and Medical Center leadership for nurse anesthesia. Supervises more than 75 nurse anesthetists.
05/2023 – 11/2023	Senior Medical Advisor to the Director, National Center for Disaster Medicine and Public Health	Provide subject matter expertise to the Director for trauma, disaster, and readiness. The interagency supports the development of the National Disaster Health System for domestic/international casualties.
10/2022 – 11/2023	Associate Professor	Graduate School of Nursing, Lead faculty Pharmacology & Physiology Core. Course Lead for GPS Course 1 & 2. Primary clinical faculty for the RNA Program.
02/2022 – 9/2022	Executive Office of the President of the U.S., Office of Budget and Management (OMB)	Detailed from USUHS to manage and execute directives for the Global Health Portfolio and Eastern Europe/Central Asia region supporting the International Affairs Division. Provided coordination and expertise to the interagency and National Security Council.

06/2021- 02/2022	Associate Professor	Graduate School of Nursing, Lead faculty Pharmacology & Physiology.
08/2020 – 06/2021	In residence, Student The National War College	Attended National Defense University, National War College, Ft. McNair, Washington, DC. Awarded a master's degree in strategic studies.
11/2018 – 04/2021	Assistant Dean of Evaluations and Interprofessional Education (IPE)	Serve as the Assistant Dean with responsibilities to maintain congruence between academic and administrative accreditation standards and the university. In addition to program evaluation, responsible for integrating and developing Interprofessional Education (IPE) experiences within the school and across the community.
08/2016 – 10/2018	Associate Professor & Assistant Program Director USU, GSN Bethesda, MD	Dual administrative and academic role. (1) Provide didactic education for nurse anesthesia and GSN students. (2) Assist with the daily administration of the RNA program and serve as director of evaluations. As director of evaluations the deputy director has primary responsibility to evaluate all program evaluations and make recommendations to the Chair and/or Associate Dean when necessary. Through this role I have direct purview of faculty resources, student accomplishment and program effectiveness.
06/2015 – 08/2016	Interim Associate Dean for Faculty Affairs	Served as the Interim Associate Dean responsible for maintaining faculty development programs within the GSN. This was done in conjunction with other GSN/RNA Faculty duties.
05/2015 – present	Associate Professor	Promoted to the rank of Associate Professor, Daniel K. Inouye Graduate School of Nursing
10/2014 - present	Assistant Program Director USU, GSN Bethesda, MD	Dual administrative and academic role. (1) Provide didactic education for nurse anesthesia and GSN students. (2) Assist with the daily administration of the RNA program and serve as director of evaluations. As director of evaluations, the deputy director is primarily responsible for evaluating all program evaluations and

		making recommendations to the Chair and/or Associate Dean when necessary. Through this role I have direct purview of faculty resources, student accomplishment and program effectiveness.
08/2014 – 10/2014	Program Director, USU GSN Bethesda, MD	Served as the Acting Program Director. Dual administrative and academic role. (1) Manage the daily and strategic administration of the RNA program as well serve as director of evaluations. As director of evaluations I have primary responsibility to review all program evaluations and make recommendations to the Associate Dean for Academic Affairs as necessary. Through this role I have direct purview of faculty resources, student accomplishment and program effectiveness. (2) Provide didactic education for nurse anesthesia and GSN students.
07/2013	Visiting Professor: Virginia Commonwealth University, Nurse Anesthesia Program	Invited to discuss intraoperative fluid management and evidenced-based practice as well as development of a program of scholarship.
06/2012 – 08/2014	Assistant Program Director USU, GSN Bethesda, MD	Dual administrative and academic role. (1) Provide didactic education for nurse anesthesia and GSN students. (2) Assist with the daily administration of the RNA program and serve as director of evaluations. As director of evaluations, the deputy director is primarily responsible for evaluating all program evaluations and making recommendations to the Chair and/or Associate Dean when necessary. Through this role, I have a direct purview of faculty resources, student accomplishment, and program effectiveness.
09/2011	Assistant Professor, USU, GSN Bethesda, MD	My primary responsibility was to provide didactic education material to nurse anesthesia students and professional and academic mentorship.
05/2006	Assistant Program Director, University of Maryland, Baltimore	Primary responsibility to provide didactic education to Phase 1 and Phase 2 nurse anesthesia students.

**Clinical Practice:**

<b>Year</b>	<b>Position</b>	<b>Scope of Role</b>
11/2023 – present	Chief, Certified Registered Nurse Anesthetist, University of Maryland School of Medicine	Provides direct patient care and overall leadership for the Division of Nurse Anesthesiology across three responsibility centers for the University of Maryland and University of Maryland Medical System.
09/2017 – 11/2023	Trauma Certified Registered Nurse Anesthetist, University of Maryland Medical Center	Primary responsibility was to provide clinical anesthesia services at a level 1 trauma center and act as a clinical faculty for nurse anesthesia and medical students.
09/2013 – 09/2017	Senior Staff, Johns Hopkins University School of Medicine. Certified Registered Nurse Anesthetist (CRNA)	Primary responsibility was to provide clinical anesthesia services to a variety of complex perioperative patients. Primary area of specialty is Neurosurgical anesthesia. Maintained part time clinical practice while full time faculty at USUHS. Approximately 500 clinical hours per year.
08/2011- 12/2015	Lifefridge Anesthesia Assoc, LLC. Certified Registered Nurse Anesthetist (CRNA)	Primary responsibility was to provide clinical anesthesia services to community hospital patients. Maintained part time clinical practice while full time faculty at USUHS. Approximately 500 clinical hours per year.
01/2010 – 08/2011	Director of Clinical Education, Lifefridge Anesthesia Assoc, LLC. Certified Registered Nurse Anesthetist	Primary responsibility was to provide clinical anesthesia services to community hospital patients in addition to clinical mentoring and education of graduate nursing students and perioperative hospital staff.
01/2008 – 01/2010	Trauma Certified Registered Nurse Anesthetist, University of Maryland Medical Center	Primary responsibility was to provide clinical anesthesia services at a level 1 trauma center and act as a clinical faculty for nurse anesthesia and medical students.
06/2004 – 06/2006	Senior Staff, Johns Hopkins University School of Medicine. Certified Registered Nurse Anesthetist	Primary responsibility was to provide clinical anesthesia services for a variety of surgical procedures. Maintained clinical practice while full time faculty at University of Maryland, Baltimore.

01/2002	Trauma Certified Registered Nurse Anesthetist, University of Maryland Medical Center	Primary responsibility was to provide clinical anesthesia services at a level 1 trauma center and act as a clinical faculty for nurse anesthesia and medical students.
06/1998	Pediatric Critical Care Nurse, University of Maryland Medical Center, Baltimore, MD	Critical Care Nurse for tertiary care pediatric Intensive Care Unit.

**Military Experience:** 03/30/1992 – present Colonel, U.S. Army Reserves

<b>Year</b>	<b>Position</b>	<b>Scope of Role</b>
04/2024 – Present	Commander, 7305 MED SPT TNG BN, Sacramento, CA	
10/2022 – 04/2024	Chief Brigade Nurse, Acting Director of Clinical Operations <b>Collateral assignment:</b> 1. Consultant to the Surgeon General for Nurse Anesthesiology. 2. Co-Chair Army Campaign Plan Readiness Subcommittee	Senior nurse staff officer to brigade. Prevue of more than 300 soldiers and clinical care.  Provide strategic support to the Army Surgeon General and Nurse Corps Core Chief Provide SME/Leadership for Army Nurse Corps Campaign Development
10/2021 – 10/2022	Joint Staff Officer Pentagon, J-7 Directorate, Joint Education and Doctrine	Provide subject matter expertise for Joint Professional Military Education Accreditation.
06/2021 – 10/2021	MEDCOM Chief Nurse	IMA in support of G-3,5,7 and G-37 Readiness MIL-CIV Partnerships.
03/2020 – 06/2021	TPU Assignment 80 <sup>th</sup> TC TASS, and 7301 MRTC	Assistant Chief Nurse, Observer Controller.
08/2019 – 03/2020	Expeditionary Resuscitation Surgical Team (ERST) – 5	Sole anesthesia provider and Chief Nurse for 8-person resuscitation and surgical team in support of Special Operations Command Africa – Task Force East Africa.

07/2018 - Present	Command Staff Officer; Assistant Chief Nurse 80 <sup>th</sup> Training Command (TASS)	Provide subject matter expertise and support to a large Training Command.
12/2016 – 12/2018	Team Leader, ERST Curriculum Design. AMEDDC&S, JBSA, TX.	Organize a multidisciplinary team to identify and develop competencies for ERST training.
05/2016 – 07/2016	Army Company Commander, School of Medicine Uniformed Services University of the Health Sciences	Acting Army Company Commander, responsible for 300 Active-Duty Officers.
2009 – July 2018	Nurse Anesthetist: MAJ, AMEDD Prof Mngt CMD	Credentialed CRNA (66F) USAR
2009	Nurse Anesthetist: CPT, WRAMC, Washington DC	Provided clinical anesthesia services in support of GWOT, active duty and dependent military members.
2008	345 <sup>th</sup> CSH Al Assad, Iraq	Deployed as the Assistant Chief of Anesthesia, 345 <sup>th</sup> Combat Support Hospital. Provided clinical anesthesia care in support of the 1st Marines Expeditionary Force, Al Anbar Province. In this role was a member of the perioperative leadership team.
2007	Nurse Anesthetist: CPT, 48 <sup>th</sup> CSH Ft. Meade, MD	Credentialed CRNA (66F) USAR
12/2005 – 04/2006	Nurse Anesthetist: 1LT, GLWACH, MO	Mobilized CRNA. Primary responsibility to provide clinical anesthesia services to surgical and obstetrical patients.
2002-2004	Nurse Anesthetist: 2LT, AMEDD Prof Mngt CMD	Credentialed CRNA (66F) USAR

1992-1999 USA/USAR/MDARNG: Infantryman (11B)  
 Specialist, E4(p), Combined  
 Infantry Brigades

**Consultation Services:**

<b><u>Year</u></b>	<b><u>Activity</u></b>
03/2019 - 09/2021	Subject Matter Expert - Applied Research Associates, Inc. The development of decision support systems was created for forward combat medics.
04/2019	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader & Austere Anesthesia Expertise. San Antonio, TX.
12/2018	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader & Austere Anesthesia Expertise. San Antonio, TX. Recertify Team 4
08/2017	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader & Austere Anesthesia Expertise. San Antonio, TX.
04/2017	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader & Austere Anesthesia Expertise. San Antonio, TX. Recertify Team 1
12/2016	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader & Austere Anesthesia Expertise. San Antonio, TX. Train Team 3
08/2016	Subject Matter Expert – Expeditionary Resuscitation Surgical Team (ERST) Curriculum Design Team Leader. San Antonio, TX.

**Honors and Awards:**

<b><u>Year</u></b>	<b><u>Award/Honor</u></b>	<b><u>Presented By</u></b>
2021	<b>Inducted as a Fellow in the American Association of Nurse Anesthesiologists (AANA)</b>	AANA Foundation, August 16, 2021 Inaugural Class of Fellows
2019	<b>USUHS Outstanding APRN Civilian Faculty Award</b>	USUHS Graduate School of Nursing Faculty Award Ceremony. This award is nominated and selected by GSN students. Presented by Dr. C. Romano, Dean USUHS GSN, May 19, 2019

2018	<b>U.S. Army AMEDD Wolf Pack Award</b>	Co-recipient Presented by the U.S. Army Surgeon General. January 2018.
2016	<b>USUHS Outstanding APRN Civilian Faculty Award</b>	USUHS Graduate School of Nursing Faculty Award Ceremony. This award is nominated and selected by GSN students. Presented by Dr. C. Romano, Dean USUHS GSN, May 17, 2016
2015	<b>GSN Faculty Leadership and Esprit de Corps Award</b>	USUHS Graduate School of Nursing Faculty Award Ceremony. This award is nominated by faculty and selected by the Leadership Committee. Presented by Dr. C. Romano, Dean USUHS GSN, May 15, 2015
2014	<b>USUHS Outstanding Master's Civilian Faculty Award</b>	USUHS Graduate School of Nursing Faculty Award Ceremony. This award is nominated and selected by GSN students. Presented by Dr. A. Hinshaw, Dean USUHS GSN, May 14, 2014
2013	<b>USUHS GSN Dean's Award for Teaching Excellence</b>	USUHS Graduate School of Nursing Faculty Award Ceremony. This award is nominated by faculty and selected by the Leadership Committee. Presented by Dr. A. Hinshaw, Dean USUHS GSN, May 14, 2013
2009	CJ Reddy Leadership Award – Outstanding Junior Officer	U.S. Army Nurse Corps. Presented by MG Horoho, Commanding, U.S. Army Nurse Corps. This award is nominated by senior USA nurse corps officers and selected by a panel designated by the Deputy Corps Chief.
2004	RA Cowley Shock Trauma Center <i>Hero's Award</i> . Recognized for clinical excellence for patient survival.	Maryland Institute for Emergency Medical Management Systems (MIEMMS). Presented by Dr. T. Scalea. This award is nominated and selected by peer and leadership review.



1992	Honor Graduate	U.S. Army Infantry Training Brigade. Commander, A 1/19 <sup>th</sup> Infantry Brigade. Ft. Benning, GA.
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**SCHOLARSHIP OF TEACHING**

The Uniformed Services University of the Health Sciences (limited to past 5 years)

Course Director	Subject
2023 Trauma and Trauma Casualty Care Course	Operational Nursing Core Curriculum
2022 ADV Physiology 2022 ADV Pharmacology	Core Science Curriculum
2021 ADV Physiology 2021 ADV Pharmacology	Core Science Curriculum
2020 ADV Physiology	Core Science Curriculum
2019 ADV Physiology	Core Science Curriculum
2018 ADV Physiology 2018 ADV Pharmacology 2018 ATLS/TCCC Curriculum	Core Science Curriculum Operational Nursing Core Curriculum
2017 ADV Physiology 2017 ADV Pharmacology 2017 ATLS/TCCC Curriculum	Core Science Curriculum Operational Nursing Core Curriculum

*\*Provide content expertise across the Nurse Anesthesiology Curriculum*

**Innovative Curriculum**

U.S. Army CRNA Readiness Model 2023 - present	Developed Clinical Readiness Cycle for U.S. Army CRNA community.
United States <a href="#">Army CRNA Operational Distributive Learning Modules</a> 2020 - present	Developed to prepare anesthesia providers and allied health for operational care.
Expeditionary Resuscitation Surgical Team (ERST) Curriculum Development Team Leader 2015 - 2019	<a href="#">Lead curriculum designer for ERST development. Identified competencies required for a surgical team to provide care in austere settings.</a>

**Mentorship**

**Student Scholarly Mentorship:**

Student Name	School/Program	Topic/Role
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2LT Ryan Leone, USA, 3rd year HPSP Medical Student	Columbia University	Enroute Care in Large Scale Combat Operations
2LT Mason Remondelli, USA, 3rd year Medical Student	Uniformed Services University of the Health Sciences SOM	Mentored students for a peer-reviewed publication on Enroute evacuation for Large Scale Combat Operations.
1LT Erica Rich, USAF, 4 <sup>th</sup> year Medical Student	Harvard Medical School, Scholars in Medicine Program	I provided subject matter expertise for battlefield airway injuries, and editorial critique for publications.
1LT Bailey Nagle, USAF, 4 <sup>th</sup> year Medical Student	Harvard Medical School, Scholars in Medicine Program	I provided subject matter expertise for battlefield airway injuries, and editorial critique for publications.

**Faculty Scholarly/Professional Mentorship:**

Faculty Name	School/Program	Topic/Role
Dr. Tiesha St. Rose 2021 - present	USUHS GSN Alumni/Faculty	Course mentor/advisor/Peer Review Manuscript mentor
Capt Austin Anderson, CRNA	USAF/R Adams Cowley Shock Trauma Center	Peer mentorship/operational anesthesia mentorship
Dr. Janet Sims 2021 - present	USUHS GSN Faculty	Peer Review Manuscript mentorship/Distributive Learning
Dr. Carolyn Mosher 2019 - 2022	U.S. Navy/USU Alumni	Professional mentorship/operational anesthesia
CAPT Justice Parrott 2014 - 2017	USUHS GSN Faculty	PD Mentor for RNA Program
LtCol Kyle Hodgen 2013 - 2016	USUHS GSN Faculty	DNP Project Committee. Course mentor/Mentor for All faculty president role

**SCHOLARSHIP OF INVESTIGATION**

**Publications:**

*Peer-reviewed Journals*

1. Remondelli, M., Leone, R., Wuss, S., Smith, S., Moore, B., **D'Angelo, M.** 2023. Adoption of the CH-47 to MEDEVAC Special Operations Forces in USAFRICOM. *J Spec Oper Med.* Accepted for publication in February 2024.
2. **D'Angelo, M.**, Sims, J., Leiter, E., Attilio, P., Kertes, S. 2023. A ready force: The U.S. Army CRNA Readiness Model. *AANA J.* 2023. Accepted for publication on 3/14/2023. Publication anticipated summer 2023.
3. **D'Angelo, M.** When the Butcher's Bill Lies: How Modern Military Medicine Distorts the Costs of War. *The Modern War Institute*, West Point. Published 2/11/2022: <https://mwi.usma.edu/when-the-butchers-bill-lies-how-modern-military-medicine-distorts-the-costs-of-war/>
4. **D'Angelo, M.**, St. Rose, T., Johnson, H., Owen, R., Radford, K., Taylor, L., Seibert, D. 2022. Using drug cards to teach generalized pharmacology for APRNs – a pilot. *Nurse Education.* In Press. February 09, 2022 - Volume - Issue - [https://journals.lww.com/nurseeducatoronline/Citation/9000/Using\\_Drug\\_Cards\\_to\\_Teach\\_Generalized\\_Pharmacology.99016.aspx](https://journals.lww.com/nurseeducatoronline/Citation/9000/Using_Drug_Cards_to_Teach_Generalized_Pharmacology.99016.aspx)
5. Schramm, J., Archer, H., **D'Angelo, M.**, Deleon, P. 2019. Readyng Military Family Nurse Practitioner Students through Operational Training in American Samoa. *Journal of Health and Human Experience*, Volume V, No. 2, 95-113. <https://jhhe.sempervifoundation.org/pdfs/v5n2/08%20Schramm.pdf>
6. **D'Angelo M**, Cervero R, Durning S, Varpio L. 2019, 'The Teamwork Model: Proposing a Model for Studying Interprofessional Healthcare Teams', *MedEdPublish*, 8, [2], 11, <https://doi.org/10.15694/mep.2019.000081.1>
7. **D'Angelo, M.**, Seibert, D., Cuervo, R., Durning, S. Decoding Readiness: towards a Ready Military Healthcare Force. *MilMed.* usy419, <https://doi.org/10.1093/milmed/usy419>.
8. **D'Angelo, M.**, Welder, M., Chauhan, R., Kearns, M. Future trends in trauma care: lessons from current research and treatment strategies in the military. *Anesthesiology Clinics – Cutting Edge Trauma and Emergency Care.* <https://doi.org/10.1016/j.anclin.2018.09.008>.
9. **D'Angelo, M**, Seibert, D., Wanzer, L., Johnson, H., Alguire, K., Dillon, D., Welder, M., Romano, C. Operational Readiness: Redesigning Advanced Practice Registered Nurse (APRN) Curriculum for an Evolving Battlefield. *MilMed.* [DOI.ORG/10.1093/MILMED/USY269](https://doi.org/10.1093/MILMED/USY269)
10. **D'Angelo M**, Losch J, Smith B, Geslak M, Compton S, Wofford K, Seery JM, Morrison M, Wedmore I, Paimore J, Gross K, Cuenca PJ, Welder MD. Expeditionary Resuscitation Surgical Team: The U.S. Army's Initiative to Provide Damage Control Resuscitation and Surgery to Forces in Austere Settings. *J Spec Oper Med.* 2017 Winter;17(4):76-79. <https://pubmed.ncbi.nlm.nih.gov/29256200/>
11. **D'Angelo, M.**, Hodgen, R.K. Wet or Dry? A review of intravenous fluid administration in anesthesia practice. *Annual Review of Nursing Research.* 2017. Vol 35. 221-239. <http://dx.doi.org/10.1891/0739-6686.35.221>
12. **D'Angelo, MR**, Saperstein, AK, Seibert, DC, Durning, SJ, Varpio, L. MILITARY INTERPROFESSIONAL HEALTHCARE TEAMS: HOW USU IS WORKING TO HARNESS THE POWER OF COLLABORATION.

*MilMed.* 2016. Vol. 181, November/December.

<https://pubmed.ncbi.nlm.nih.gov/27849472/>

13. **D'Angelo, MR**, Hodgen, RK, Wofford, K, Vacchiano, C. A Theoretical Mathematical Model to Estimate Blood Volume in Clinical Practice. *Biol Res Nurs.* 2015, Vol. 17(5) 478-486. *Published online October 20, 2014.* <https://pubmed.ncbi.nlm.nih.gov/25332464/>.
14. **D'Angelo MR**, Dutton RP. Trends and practices for the management of trauma induced coagulopathy. *AANA J.* 2010; 78(1): 35-40. [https://www.aana.com/docs/default-source/aana-journal-web-documents-1/mgmttrauma\\_0210\\_p35-40.pdf?sfvrsn=417f48b1\\_6](https://www.aana.com/docs/default-source/aana-journal-web-documents-1/mgmttrauma_0210_p35-40.pdf?sfvrsn=417f48b1_6)
15. **D'Angelo MR**, Dutton RP. Hemodynamic measurement in the OR: a review of conventional measures to identify hypovolemia. *AANA J.* 2009; 77(4): 279-284.
16. **D'Angelo, MR.** Postoperative Implications of Anesthesia and Obesity: A Review for the Non-anesthetist. *Bariatric Nursing and Surgical Patient Care.* 2008; 3(3): 217-222.
17. Mitchell J, **D'Angelo M.** Implications of Hypothermia in Procedural Areas. *Journal of Radiology Nursing.* 2008; 27(2): 70-73.
18. Dutton RP, McCunn M, Hyder M, **D'Angelo M**, O'Connor J, Hess J, Scalea T. Factor VIIa for Correction of Traumatic Coagulopathy. *J Trauma.* 2004; 57(4):709-719.
19. Herring K, Harvan J, **D'Angelo M**, Jasinski D. The use of a computer website prior to scheduled surgery: Impact on patient information acquisition, anxiety level and overall satisfaction with anesthesia care. *AANA J.* 2005; 73(1): 29-33.
20. McCunn, M., Hyder, M., O'Connor, J., **D'Angelo, M.**, Moayed, O. Correlation of central venous (CVP) and pulmonary artery (P.A.) pressures with intravascular volume status as determined by transesophageal echocardiography (TEE) in patients on airway pressure release ventilation (APRV). *Critical Care Med.* 2003; 31(12):A95.

### Thesis

1. **D'Angelo, M.R.** The U.S. – Somali East Africa Stability Project (SEASP). Thesis submitted to the Faculty of the National War College, National Defense University in partial fulfillment of the requirements for the degree of Master of Strategic Studies. 2021.
2. **D'Angelo, M.R.** Towards Readiness: Defining the Operationally Competent Advanced Practice Registered Nurse (APRN). Thesis submitted to the Faculty of the Health Professions Education Graduate Program Uniformed Services University of the Health Sciences in partial fulfillment of the requirements for the degree of Master of Health Professions Education. 2019. [DOI: 10.13140/RG.2.2.21480.52482](https://doi.org/10.13140/RG.2.2.21480.52482)

### Book Chapters

1. **D'Angelo, M.**, Radford, K., Welder, M. In Harm's Way: The strategy to develop operationally competent Advanced Practice Registered Nurses for War: In Seibert, D., Deleon, P, eds. *A view from the inside - Nursing shaping Policy.* St. Louis Missouri: Elsevier, 2022.

2. **D'Angelo, M.** Trauma Anesthesia: In Nagelhout, JJ, Plaas, KL, eds. *Nurse Anesthesia* 5<sup>th</sup> Ed. St. Louis Missouri: Elsevier, 2014.
3. **D'Angelo MR, Biddle C.** Chapter 1 – Gas Laws. In: Kier LB, Dowd CS, eds. *The Chemistry and Physics of Drugs for Nurse Anesthetists*. AANA Publishing Inc. For 2<sup>nd</sup> Ed.
4. **D'Angelo, MR.** Traumatic Airway Management. In: Elisha S, ed. *Case Studies in Nurse Anesthesia*. Sudbury, MA: Jones and Bartlett, 2009.
5. **D'Angelo, MR.** Blunt Force Traumatic Injuries. In: Elisha, S, ed. *Case Studies in Nurse Anesthesia*. Sudbury, MA: Jones and Bartlett, 2009.

Publication Abstracts:

1. **D'Angelo, MR, Losch, J, Smith, B., Geslak, M, Compton, S, Morrison, M, Paimore, J, Wedmore, I, Cuenca, P, Welder, M.** Expeditionary Medicine: Curriculum development for The Expeditionary Resuscitation Surgical Team (ERST). MHSRS Oral Podium Presentation 2017. August 2017.
2. **D'Angelo, MR, Hodgen, RK, Wofford, K, Vacchiano, C.** Predicting Blood Volume by Change of Hematocrit: A secondary data analysis. USUHS GSN Research Days 2014. May, 2014.
3. Hodgen, RK, **D'Angelo, MR, Wofford, K.** A mathematical model to estimate blood volume. AANA Foundation State of the Science General Poster Session. Las Vegas, NV. August 2013.
4. **D'Angelo, MR, Hodgen, RK, Wofford, K, Sharma, P.** A preliminary evaluation of a mathematical model to estimate blood volume. Poster Presentation USU Research Days 2013. May, 2013.
5. Gupta P, **D'Angelo M, Dutton RP.** Ventral hernia repair after damage control laparotomy has the least risk at 9 months post-injury. American Society of Anesthesiologists Annual Meeting, Poster presentation. October, 2007.
6. **D'Angelo M, Dutton RP, Webb R, Sewell JM, Scalea TM.** The Acoustic Resuscitation Monitor: A noninvasive method for evaluating hypovolemia. Eastern Association for the Surgery of Trauma Annual Meeting, Oral Presentation, January, 2008.
7. McCunn M, **D'Angelo M, McQuillan K, Baker R, Dutton, R.** Intra-Operative Maintenance of Open Lung Ventilation: Comparison of Airway Pressure Release and Pressure Control-Inverse Ratio Ventilation in Critically Ill Patients. American Society of Anesthesiology Abstract: A 1488, 2003.
8. McCunn, M, Hyder, M, O'Connor, J, **D'Angelo, M, Moayed, O.** Correlation of central venous (CVP) and pulmonary artery (P.A.) pressures with intravascular volume status as determined by transesophageal echocardiography (TEE) in patients on airway pressure release ventilation (APRV). *J Crit Care.* 2003; 31(12): A95.

**Research Activities/Evidenced Based Practice/Funding:**

<u>DATE</u>	<u>Title of Activity/Project/Position/Amount</u>	<u>Funding</u>
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- 05/2016 **Co-Investigator.** "Pilot validation of a hemodilution technique to estimate blood volume in vivo" \$350K, 2-Year. TSNRP
- 10/2012-10/2014 **Primary Investigator.** Evaluation of a Mathematical Blood Volume Model to Guide Intraoperative Fluid Therapy. Purpose of study to evaluate a novel method to guide IV fluid therapy. \$20,000 USUHS Intramural Funding (61R7)
- 06/2007 - 02/2008 **Investigator.** Acoustic Resuscitation Monitor (ARM) for the evaluation of hemorrhagic shock. Purpose of this study was to evaluate a novel sonar technique to measure vascular tone in hemorrhagic shock. This work was conducted in conjunction with DNP training and advised by academic mentor and Principle Investigator Dr. Richard Dutton, MD, MBA.
- 1/2007 - 10/2007 **Investigator.** Optimal Timing for Ventral Hernia Repair. This study aimed to evaluate secondary data and determine the optimal timing for surgery. This work was conducted in conjunction with DNP training and advised by academic mentor and Principal Investigator Dr. Richard Dutton, MD, MBA.

**Presentations:**

**National**

*Podium*

- 07/2017 Podium Presenter - Expeditionary Medicine: *Curriculum development for The Expeditionary Resuscitation Surgical Team (ERST).* MHSRS Oral Podium Presentation
- 05/2014 Podium Presenter - Predicting Blood Volume by Change of Hematocrit: A secondary data analysis. USUHS GSN Research Days 2014
- 08/2008 Podium Presenter - Identifying Intraoperative Hypovolemia. American Association of Nurse Anesthetist (AANA) National Meeting. Minneapolis, MN.
- 08/2008 Podium Presenter - Geriatric Trauma Management. American Association of Nurse Anesthetist (AANA) National Meeting. Minneapolis, MN.
- 08/2008 Podium Presenter - Trauma Induced Coagulopathy. American Association of Nurse Anesthetist (AANA) National Meeting. Minneapolis, MN.
- 08/2007 Podium Presenter - Traumatic Airway Management. American Association of Nurse Anesthetist (AANA) National Meeting. Denver, CO.

08/2007 Podium Presenter - Intraoperative use of TEE and hypovolemia. American Association of Nurse Anesthetist (AANA) National Meeting. Denver, CO.

*Poster*

08/2013 Poster Presentation. AANA Foundation State of the Science General Poster Session. *A mathematical model to estimate blood volume.* Las Vegas, NV.

10/2007 Poster Presentation. American Society of Anesthesiologists (ASA) National Meeting. *Optimal Timing for Ventral Hernia Repair.* San Francisco, CA.

**Regional**

*Podium*

10/2016 The Holy Grail...The quest to understand blood volume. Virginia Association of Nurse Anesthetists (VANA). Fall Assembly. Virginia Beach, VA.

10/2013 Anesthetic fluid management for massive liposuction surgery. Maryland Association of Nurse Anesthetists. Fall Assembly. Easton, MD.

09/2013 Anesthetic fluid management for massive liposuction surgery. Virginia Association of Nurse Anesthetists. Fall Assembly. Alexandria, VA.

04/2009 Identifying Intraoperative Hypovolemia. Wisconsin Association of Nurse Anesthetists (WIANA) Spring Meeting.

04/2009 Geriatric Trauma Management. Wisconsin Association of Nurse Anesthetists (WIANA) Spring Meeting.

04/2009 Trauma Induced Coagulopathy. Wisconsin Association of Nurse Anesthetists (WIANA) Spring Meeting.

01/2008 Acoustic Resuscitation Monitor for the evaluation of hemorrhagic shock. Eastern Society of Trauma Surgeons. Jacksonville, FL.

06/2003 Topics in Trauma Anesthesiology. Northwest Anesthesia Seminars. Portland, ME.

**Local**

*Podium*

11/2014 The Holy Grail: The quest to understand blood volume. Presented at WRNMMC Dept. of Cardiothoracic Surgery Meeting: November 7, 2014

10/2014 The Holy Grail: The quest to understand blood volume. Presented at WRNMMC Advanced Practice Nursing Council Meeting: October 24, 2014

05/2014 The Holy Grail: The quest to understand blood volume. Presented at USUHS GSN Research Days: May 14, 2014.

- 08/2013 Fluid management for large volume liposuction. A review of practice. Lifebridge Anesthesia Associates (LBAA). At Northwest Hospital Center. Randallstown, MD.
- 03/2011 Perioperative cardiac arrest management. Northwest Hospital Center. Randallstown, MD.
- 05/2010 Perioperative Resuscitation. Northwest Hospital Center. Randallstown, MD.
- 12/2008 Keynote Speaker at the University of Maryland Nurse Anesthesia Program Graduation Ceremony.
- 03/2006 Traumatic Airway Management. University of Maryland School of Nursing/School of Medicine – U.S. Department of State Health Care Practitioners Course.
- 04/2003 Medical Management of Chemical Casualties. Shock Trauma Post Anesthesia Care Unit Education Day.
- 1/2003 Biological and Chemistry Casualties. Shock Trauma Center, University of Maryland Medical Center, Division of Trauma Anesthesiology Grand Rounds.
- 3/2002 Traumatic Airway Management. University of Maryland School of Nursing/School of Medicine – U.S. Department of State Health Care Practitioners Course.

*Poster*

- 05/2014 Poster Presentation. Predicting Blood Volume by Change of Hematocrit: A secondary data analysis. USUHS GSN Research Days 2014.

**SCHOLARSHIP OF SERVICE:**  
**Editorial Reviewer:**

- 2020 – present Reviewer, Military Medicine
- 2017 – 2018 Reviewer, Perspectives on Medical Education
- 2008 – 2018 Reviewer, AANA Journal

**Academic and Service Activities:**

<b><u>Date</u></b>	<b><u>Title (chair, member)</u></b>	<b><u>Service/Committee</u></b>
03/2023 - Present	Member	USUHS Search Committee for the Chair, Department of Anesthesiology, School of Medicine



10/2022 – present	Member	Health Professions Education Program Evaluations Committee
10/2021 – present	Member	Defense Health Agency, Anesthesiology KSA program.
04/2021 - present	Chair	GSN KSA Task Force
04/2021 – 04/2023	Chair	USUHS MSCHE Accreditation Task Force, Work Group 5
05/2021 – 06/2021	Member, Administrator	USUHS Search Committee for the Special Assistant to the President, Special Operations.
04/2020 – 12/2021	Member, GSN Rep	USUHS Pandemic Campaign Plan
04/2020 – 08/2021	Chair	GSN Evaluation Committee
05/2017 – 09/2018	Member	GSN CCNE Accreditation Task Force
05/2017 – 10/2018	Chair	GSN Leadership and Readiness Task Force
06/2016 – 06/2018	Member	GSN Faculty Search Committee
03/2016 – 11/2016	Member	CCNE Mid Cycle Review Task Force. Chapter IV content expert.
07/2015 – 10/2016	Member	USUHS Search Committee for Director of NDCMPH.
6/2015 – 5/2016	Member	GSN Faculty Search Committee
05/2015 – 05/2016	Past President, GSN Faculty	GSN Faculty
11/2014 -11/2017	Member	USUHS Interprofessional Education Task Force
07/2014 – 09/2014	Member	Ethics and Policy Course Review Task Force
05/2014 – 12/2014	Member	GSN Faculty Search Committee
05/2014 – 05/2015	President, GSN Faculty	GSN Faculty
02/2014 – 05/2015	Member	USUHS Simulation Advisory Committee
05/2013 – 08/2014	Member	USUHS Radiation Safety Committee
05/2013 – 05/2014	President, Pro Tem	GSN Faculty

10/2012 – 05/2013	Member	GSN COA Accreditation Committee
10/2012 – 10/2013	Member	GSN CCNE Accreditation Committee
03/2012 – 05/2014	Member (Voting)	GSN Student Promotion Committee (SPC)
09/2011 – 05/2014	Member	GSN All Faculty Committee
09/2011- present	Member	RNA Program Faculty

**SCHOLARSHIP OF PRACTICE:**

**Professional Service Activities:**

<u>Dates</u>	<u>Title</u>	<u>Service/Committee</u>
<u>National</u>		
04/2023	Consultant to the Army Surgeon General for Nurse Anesthesiology. Reserve Component.	In this role, I provide subject matter expertise and policy advice to the Army Surgeon General for the <u>U.S. Army Reserve nurse anesthesiology community</u> is more than 3 times larger than the active component.
03/2023	USUHS Nursing Representative to the DHA Clinical Readiness Program	DHA Tri-Service Nursing KSA Lead. Provide leadership to support a <u>national</u> enterprise in developing, executing, and revising military nursing KSAs.
11/2022	Deputy Consultant to the Army Surgeon General for Trauma and Critical Care Medicine. Reserve Component.	In this role, I provide subject matter expertise and policy advice to the Army Surgeon General for the <u>medical force for the U.S. Army Reserves</u> . (Three-year appointment)
2019 – present	Onsight Reviewer	Selected to serve as an onsite reviewer for The Middle States Commission on Higher Education.
2019 - present	Member/Austere Anesthesia Lead	Member and subcommittee lead for Austere Anesthesia KSA in support of the DHA KSA Program.
2016-2019	Onsite Reviewer	Reappointment to Council on Accreditation of Nurse Anesthesia Education Programs (COA). 3-year appointment.
2014-2015	Reviewer	Continued Professional Certification (CPC) core module recognition panel member. National Board of Certification and Recertification for Nurse Anesthetists (NBCRNA)

2013-2016	Onsite Reviewer	Council on Accreditation of Nurse Anesthesia Education Programs (COA). 3-year appointment.
<u>State</u>		
2012-present	Member	CRNA Peer Advisory Committee. Maryland Board of Nursing
<u>Local</u>		
2007-2009	Member	Patient Safety Group: Ventral Hernia Repair, University of Maryland Medical Center.
2004-2005	Member	Johns Hopkins University Spine Work Group
2003-2006	Member	Quality Assurance Committee, University of Maryland Medical Center

**PROFESSIONAL AFFILIATIONS:**

<u>Dates</u>	<u>Organization</u>	<u>Role</u> ( <i>member, president</i> )
2004-2005	Maryland Assoc. Nurse Anesthetists	Member
1999 – present	American Assoc. of Nurse Anesthetists	Member