

Curriculum Vitae
Melanie M. Stipp, DNP, MSN, CRNA
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EDUCATION

Case Western Reserve University, Cleveland, OH January 2021
DNP, Doctorate of Nursing Practice, Education Leadership

- Thesis: Medication Safety in the Perioperative Setting: A Comparison of Methods for Detecting Medication Errors and Adverse Medication Events in the Operating Room

Case Western Reserve University, Cleveland, OH January 2018
MSN, Master of Science in Nurse Anesthesia

Case Western Reserve University, Cleveland, OH January 2009

BSN, Bachelor of Science in Nursing, *Bolton Scholar Recipient*

BA, Bachelor of Arts in Sociology, *Stella Berkeley-Friedman Recipient*

- Pre-Medical Track
- Minor: Chemistry
- Study Abroad: Danish Institute for Study Abroad in Copenhagen, Denmark, 2008
- Honors Thesis: Sociopolitical Barriers in Implementing a U.S. Universal Health Care System
- Graduated *summa cum laude*

LICENSURE

APRN: Certified RN Anesthetist -- CRNA (RN2320079)

- Issued by: Massachusetts Board of Registration in Nursing
- Valid through: 04/21/2026

RN: Registered Nurse (RN2320079)

- Issued by: Massachusetts Board of Registration in Nursing
- Valid through: 04/21/2026

MCSR: Independent - Advanced Practice Registered Nurse (MCS001696B)

- Issued by: Commonwealth of Massachusetts
- Valid through: 11/27/2024

APRN: Certified RN Anesthetist -- CRNA (APRN.CRNA.019629)

- Issued by: Ohio Board of Nursing
- Valid through: 10/31/2025

RN: Registered Nurse (RN.367194)

- Issued by: Ohio Board of Nursing
- Valid through: 10/31/2025

CERTIFICATIONS

CRNA: Certified Registered Nurse Anesthetist (118043)

- Certifying Body: National Board of Certification and Recertification for Nurse Anesthetists
- Valid through: 01/31/2026

DEA Registration: Controlled Substance/ Regulated Chemical Registration

- Issued by: Drug Enforcement Administration, U.S. Department of Justice

CCRN: Board Certified Critical Care Nurse - Alumnus Designation

- Certifying Body: American Association of Critical Care Nurses

ACLS: Advanced Cardiovascular Life Support

- Certifying Body: The American Heart Association
- Valid through: 08/2025

PALS: Pediatric Advanced Life Support

- Certifying Body: The American Heart Association
- Valid through: 08/2025

BCLS: Basic Cardiac Life Support

- Certifying Body: The American Heart Association
- Valid through: 08/2025

FCCS: Fundamental Critical Care Support

- Certifying Body: Society of Critical Care Medicine

NIHSS: National Institutes of Health Stroke Scale Certification

- Certifying Body: National Stroke Association

ELNEC: End of Life Nursing Education Consortium - APRN

- Certifying Body: American Association of Colleges of Nursing

CITI Program: The Collaborative Institutional Training Initiative

- Certifying Body: CITI Program
- Human Research: Social and Behavioral (53008338); Valid through: 1/30/2026
- Human Research: CITI Good Clinical Practice (51362666); Valid through: 11/30/2025
- An Overview of Clinical Trials Billing: Clinical Trial Billings (51362667); Valid through: 11/30/2025

CLINICAL EXPERIENCE

Massachusetts General Hospital, Boston, MA

03/2018 – present

Certified Registered Nurse Anesthetist

- Services: Thoracic, Vascular, Neurosurgery, IR, General Surgery, Trauma, Endoscopy
- DACCPM QA Committee

Case Western Reserve University, Cleveland, OH

08/2015 – 12/2017

Student Registered Nurse Anesthetist (SRNA)

- Clinical sites: University Hospitals of Cleveland, Cleveland Clinic, Louis Stokes Cleveland VA Medical Center, Crystal Clinic, and Findlay Surgical Center

Cleveland Clinic Staffing Resources, Cleveland, OH 10/2015 – 03/2018
Critical Care RN

- ICU float: Surgical, Cardiac, Medical & Neurological Intensive Care Units

University Hospitals Cleveland Medical Center, Cleveland, OH 07/2013 – 08/2015
Critical Care RN, Enterprise Staffing Services

- Surgical, Cardiac, Medical & Neurological Intensive Care Units
- Predominantly worked in the Cardiothoracic/ Surgical ICU

Cleveland Clinic Main Campus, Cleveland, OH 03/2012 – 09/2015
Critical Care RN, Neurological Intensive Care Unit

- 24 bed Neurosurgical/Neurology specialized ICU
- Represented the Neurological Institute (with Edward Manno, M.D.) during the Joint Commission review for the Cleveland Clinic's comprehensive stroke center status

Cleveland Clinic Main Campus, Cleveland, OH 03/2011 – 03/2012
RN, Neurological ICU Concentrated Care Unit

- Management of Neurosurgical Concentrated Care patients

Cleveland Clinic & University Hospitals, Cleveland, OH 08/2004 – 12/2008

- >1600 training hours with subspecialty practicum in critical care at the Cleveland Clinic

CLINICAL & LEADERSHIP ROLES

DACCPM COVID-19 Innovations Group	2020
Partner's COVID-19 Innovations Group	2020
Massachusetts General Hospital DACCPM QA Committee	2019 – 2023
Massachusetts General Hospital Clinical SRNA Preceptor	2018 – 2022
Cleveland Clinic EPIC Super User	2013 – 2015
Cleveland Clinic ICU Validation Team	2013 – 2015
• Represented the Cleveland Clinic Main Campus Neurological ICU in monthly system wide meetings held to modify and optimize the EPIC user interface	
CLABSI Prevention & Central Line Compliance Auditing Team	2013 – 2015
Cleveland Clinic Clinical RN Preceptor	2013 – 2015
Cleveland Clinic Occupational Safety and Health Administration Trainer	2013 – 2015
• Held OSHA training sessions for staff in the Neurological ICU	
Vascular Access Resource Nurse (VARN)	2013 – 2018
Charge Nurse	2011 – 2015

TEACHING EXPERIENCE

Case Western Reserve University, Cleveland, OH 08/2005 – 01/2009
Supplementary Instructor – Anatomy & Physiology

- Led bi-weekly sessions, exam review sessions, training modules for new instructors, summer parent orientation sessions, student orientation panels, and implemented a virtual dissection lab.

Case Western Reserve University, Cleveland, OH 08/2005 – 12/2005
Supplementary Instructor – Anatomy & Physiology Cadaver Lab

- Co-led the neurobiology cadaver lab, assisting faculty Martin Rosenberg, Ph.D.

American Lung Association, Cleveland, OH

01/2007 – 12/2008

Instructor – Open Airways for Schools Asthma Management Program

RESEARCH EXPERIENCE

Case Western Reserve University School of Medicine, Cleveland, OH 09/2009 – 03/2011

Clinical Research Assistant I

- Focus: Worked on developing a novel assay to detect deep vein thrombosis, studied the effect of CAD on platelet aggregation, coordinated a Phase I clinical trial for sponsor CSL Behring studying mechanisms to prolong the shelf life of platelets, and coordinated preliminary trial preparations for a series of Phase II NIH funded translational clinical trials studying elderly with anemia (<https://pactte.dcri.duke.edu/>)
- Primary Investigators: Alvin Schmaier M.D., Carl Orringer M.D., Marco Costa M.D., and Nathan Berger M.D.
- Sponsors: The Harrington-McLaughlin Family Foundation, NIH grant HL 070766, CSL Behring, and the National Institute on Aging

University Hospitals Cleveland Medical Center, Cleveland, OH

06/2009 – 03/2011

Clinical Researcher

- Studied the utilization of therapeutic hypothermia in patients post cardiac arrest, the utility of intraoperative cerebral oximetry monitoring, and executed off-label Impella 5 Catheter trials.
- Primary Investigator: Arie Blitz M.D.

Rainbow Babies & Children's Hospital, Cleveland, OH

05/2007 – 04/2008

Undergraduate Researcher

- Focus: Studied the inflammatory and immune response to pneumonia, specifically, the expression of ICAM-1 and IFN- γ in pneumonia induced by *E. coli* and *S. pneumoniae*
- Primary Investigator: Claire Doerschuk M.D.
- Project Sponsors: Rainbow Babies and Children's Hospital Summer Undergraduate Research Program in Pediatrics and NIH grant HL 52466

PUBLICATIONS

Stipp, M. M., Deng, H., Kong, K., Moore, S., Hickman, R.L., & Nanji, K.C. (2022). Medication safety in the perioperative setting: A comparison of methods for detecting medication errors and adverse medication events. *Medicine* 101(44):p e31432, November 04, 2022. DOI: 10.1097/MD.00000000000031432

Stipp, M. M., Nanda, P., Coumans, J.V., & Peterfreund, R.A. (2021). Direct Visualization of the Dural Puncture Site During Lumbar Spine Surgery Performed Under Spinal Anesthesia: A Case Report. *Anesthesia & Analgesia Practice*. 15(2):e01397. doi: 10.1213/XAA.0000000000001397. PMID: 33577173.

Stipp, M. M., Deng, H., Kong, K., Moore, S., Hickman, R.L., & Nanji, K.C. (2020). *Medication Safety in the Perioperative Setting: A Comparison of Methods for Detecting Medication Errors and Adverse Medication Events in the Operating Room*. [Doctoral dissertation, Frances Payne Bolton School of Nursing, Case Western Reserve University].

- Stipp, M. M.** (2020). SARS-CoV-2: Micronutrient Optimization in Supporting Host Immunocompetence. *International Journal of Clinical Case Reports and Reviews*. 2(2); doi:10.31579/2690-4861/024
- Stipp, M. M. & Wang, J.P.** (2019). Central Nervous System Toxicity during the Induction of General Anesthesia After Intravenous Bolus of Lidocaine. *Journal of Clinical Research and Anesthesia*, 2(1); doi:10.31579/JCRA/10004
- Stipp, M. M.** (2018). Evoked Potentials (S. Moore, Ed.). In Fitzpatrick et al. *A Guide to Mastery in Clinical Nursing: The Comprehensive Reference* (1st ed., pp. 498-501). New York: Springer Publishing Company.
- Stipp, M. M.** (2009). *Sociopolitical Barriers in Implementing a U.S. Universal Health Care System* [Baccalaureate Honors Thesis, College of Arts & Sciences, Case Western Reserve University].
- Stipp, M. M., Rebert, N.A., & Doerschuk, C.M.** (2008). ICAM-1 and IFN- γ expression in pneumonia induced by *E. coli* and *S. pneumoniae*. *Intersections: 4th Annual Symposium & Poster Session*, 4(1), 111. Retrieved from <http://www.case.edu/source/symposium/2008AbstractCompendium.pdf>
- Stipp, M. M.** (2008). Tips coming from experience. *Just In Case: Study Tips For Case Students By Case Students*, 1(1), 33. Retrieved from http://studentaffairs.case.edu/education/resources/justincase/doc/justincase_0809.pdf

ACKNOWLEDGEMENTS

- Lu, S. Y., LaMuraglia, G. M., Burki, F. P., See, R. B., & Peterfreund, R. A. (2020). Ipsilateral Vocal Cord Monitoring for Carotid Endarterectomy and Concurrent Contralateral Vocal Cord Paralysis: A Case Report. *Anesthesia & Analgesia Practice*. 14(12), e01331. doi: 10.1213/XAA.0000000000001331. PMID: 33094950.

PODIUM PRESENTATIONS

- | | |
|---|---------|
| Massachusetts General Hospital , Boston, MA | 10/2019 |
| <i>Pharmacology Update XVI: Innovation and Evidence Conference</i> | |
| <ul style="list-style-type: none"> • “Pharmacology & Implications of Anesthetic Agents” | |
| Rainbow Babies & Children’s Hospital , Cleveland, OH | 08/2007 |
| <i>Summer Undergraduate Research Program Presentation</i> | |
| <ul style="list-style-type: none"> • “ICAM-1 and IFN- γ Expression in Pneumonia Induced by <i>E. coli</i> and <i>S. pneumoniae</i>.” | |

POSTER PRESENTATIONS

- Stipp, M. M., Deng, H., Kong, K., Moore, S., Hickman, R.L., & Nanji, K.C.** (2020). Medication Safety in the Perioperative Setting: A Comparison of Methods for Detecting Medication Errors and Adverse Medication Events in the Operating Room. *MGH DACCPC Clinical Research Brochure 2019-2020* (pp. 5). Location: *MGH DACCPC Clinical Research Night* in Boston, MA (Virtual); October 21, 2020.

Stipp, M. M., Wang J. P. A Case of CNS Toxicity During the Induction of General Anesthesia After 2 mg/kg Intravenous Bolus of Lidocaine. Location: *ANESTHESIOLOGY® 2019, the American Society of Anesthesiologists Annual Meeting* in Orlando, Florida; October 19-23, 2019.

Stipp, M. M., Rebert, N.A., & Doerschuk, C.M. ICAM-1 and IFN- $[\gamma]$ expression in pneumonia induced by *E. coli* and *S. pneumoniae*. Location: *Intersections: 4th Annual Symposium & Poster Session* at Case Western Reserve University in Cleveland, Ohio; April 18, 2008.

Stipp, M. M., Rebert, N.A., & Doerschuk, C.M. ICAM-1 and IFN- $[\gamma]$ expression in pneumonia induced by *E. coli* and *S. pneumoniae*. Location: *Research ShowCase Symposium* at Case Western Reserve University in Cleveland, Ohio; April 17, 2008.

INTERNATIONAL EXPERIENCE

Vietnam National University (VNU)	2015 – 2017
• Anesthesia observerships via the Director of International Relations, Dr. AnBinh Nguyen	
Danish Institute for Study Abroad in Copenhagen	2008

ADDITIONAL EXPERIENCES

Havas Worldwide (Euro RSCG) Cleveland, OH Field Marketing Representative	2009 – 2010
Mortar Board National Honors Society Committee Chair	2007 – 2008
• Committee Chair for the 2008 First Book Foundation Benefit	
Daniel Hale Williams Society Vice-President	2006 – 2008
• Hosted the 2008 CWRU Martin Luther King Health Disparities Forum	
Alpha Phi Fraternity Scholarship Chair	2006 – 2007
Case Western Reserve University Varsity Tennis Team	2004 – 2005

PROFESSIONAL ORGANIZATIONS

Member of the American Association of Nurse Anesthetists	2015 – present
Member of the American Association of Neuroscience Nurses	2014 – 2015
Member of the American Association for Critical-Care Nurses	2012 – 2019

HONORS AND AWARDS

Massachusetts General Hospital CRNA Professional Development Grant	2021-2022
Massachusetts General Hospital CRNA Professional Development Grant	2018-2019
Authored in <i>A Guide to Mastery of Clinical Nursing</i> , text receives AJN award	2018
Rothstein Scholarship	2015 – 2018
Anesthesia Training Grant	2015 – 2018
Sigma Theta Tau International Honors Society	2017
Cleveland Clinic Caregiver Appreciation & Honors Awards (24x)	2011 – 2018
Cleveland Clinic Neurological ICU Star of the Month (2x)	2013 – 2014
<i>Summa cum laude</i>	2009
Bolton Scholar Award for Academic Excellence	2009
Phi Beta Kappa Society	2009
Frances Payne Bolton Scholarship	2004 – 2009
Dean's High Honors List	2004 – 2009

Ball Scholarship	2008 – 2009
Case Western Reserve University Convocation Procession Flag Bearer	2008
Stella Berkeley-Friedman Award	2008
CWRU Students Who Make a Difference	2008
Mortar Board National Honors Society	2007
Gamma Sigma Alpha Honors Society	2007
Alpha Kappa Delta Honors Society	2007
Golden Key National Honors Society	2007
Iota Sigma Pi National Honors Society	2007
National Dean's List	2004