

# MARIANNE S. COSGROVE, PHD, DNAP, CRNA, APRN

## EDUCATION

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**2013-2019**      **Virginia Commonwealth University**      Richmond, VA  
*Doctor of Philosophy in Health Related Sciences: Nurse Anesthesia*  
August 2019

**2009-2011**  
*Doctor of Nurse Anesthesia Practice*  
May 2011

**1988 - 1993**      **Central Connecticut State University**      New Britain, CT  
*Master of Science: Biological Sciences: Anesthesia*  
May 1993

**Yale New Haven Hospital School of Nurse Anesthesia**  
                 *(Formerly Hospital of St. Raphael School of Nurse Anesthesia)*      New Haven, CT  
*Nurse Anesthesia Diploma*  
October 1990

**1980 - 1984**      **Salve Regina University**      Newport, RI  
*Bachelor of Science in Nursing; Minor: Biology*  
June 1984

**1979 - 1980**      **Fairfield University**      Fairfield, CT  
*Major: Biology*

## PROFESSIONAL EXPERIENCE

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**October 1990 - present**      Yale New Haven Hospital  
   New Haven, CT

***Staff Certified Registered Nurse Anesthetist (CRNA)***

- *Formerly Hospital of St. Raphael/Anesthesia Associates of New Haven, P.C.; transition to YNHH on April 1, 2014.*
- Provision of expert and comprehensive anesthetic care of the client during the perioperative period
- Proficient in administration of general anesthesia, monitored anesthesia care, total intravenous anesthesia, deep sedation, administration of neuraxial anesthesia, placement of invasive monitors
- Didactic and clinical instructor for student registered nurse anesthetists
- Member of the Anesthesia Subcommittee to the Pharmacy (past)
- Airway consultant for the hospital “254” (code blue) team (past)
- Anesthesia liaison and support member for the Women’s Center for Breast Health

**April 2013 - present**

Yale New Haven Health  
Yale New Haven Hospital School of Nurse Anesthesia  
New Haven, CT

***Program Director***

*Formerly Hospital of St. Raphael School of Nurse Anesthesia.*

- Oversight of all operations of a nurse anesthesia program: interview of applicants, management and evaluation of student clinical experiences (on and off-site), continual review and refinement of curriculum, delivery of didactic lectures, clinical precepting, Doctoral Scholarly Project mentoring, student and faculty mentoring / counseling and all administrative functions
- Continued engagement in active clinical practice (weekly)

**April 2014 – June 2019**

Yale University  
Yale Medical Group  
New Haven, CT

***Instructor (clinical and didactic)***

**January 2019 – present**

American Association of Nurse Anesthesia (AANA) Journal

***Journal Reviewer***

**January 2014 – present**

International Student Journal of Nurse Anesthesia

***Contributing Editor***

**July 2005 - present**

Core Concepts Anesthesia Review, LLC  
Longboat Key, FL

***Business founder, co-owner and lecturer***

- Review course designed to ready the Student Registered Nurse Anesthetist for the National Certification Exam and to provide the CRNA with a review of basic and advanced anesthetic principles
- Live reviews administered at various anesthesia programs; ongoing practice examinations, “Question of the Day” and “CoreNotes” provided via website at [www.ccanesthesiareview.com](http://www.ccanesthesiareview.com).

**September 1993 – December 2005;**

**January 2018-present**

Central Connecticut State University  
New Britain, CT

***Adjunct Faculty/Lecturer: Department of Biology***

Courses:

- BIO 528: Advanced Pharmacology (1993-2005)
- BIO 730: Human Factors and Patient Safety for Nurse Anesthetists (2018-present)
- BIO 736: Evidence-based Practice and Biostatistics (2018-present)
- BIO 739: Advanced Topics in Pharmacology (2018-present)
- BIO 745, 746: Doctoral Scholarly Project Advisor (2018-present)
- ANES 590: Clinical Correlation Conference (2006-present)
- ACP 500-502, 730-735 (supplemental enrichment) (2017-present)

**September 2011 – January 2014**

Virginia Commonwealth University College of Health  
Professions  
Richmond, Virginia

***Teaching Assistant: Department of Nurse Anesthesia***

- Biostatistical Methods for Health-Related Sciences (ALHP 760-002)
- Developed curriculum, graded exams and projects, instruction via distance education

**December 1994 – April 2014**

Yale New Haven Hospital  
New Haven, CT

***Staff CRNA - Obstetrical Service***

- Anesthetic care of the parturient; proficient in the administration of spinal, epidural, combined spinal-epidural and general anesthesia
- Per diem position

**July 2006 – April 2013**

Hospital of St. Raphael School of Nurse Anesthesia  
New Haven, CT

***Assistant Program Director***

- Support of HSRSNA's Program Director in all operations of the anesthesia program

**July and August 1997**

Anesthesia Associates of New Haven, P.C.  
New Haven, CT

***Acting Coordinator-Acute Pain Service (APS)***

- Care and follow-up of patients on the APS
- Modalities for pain control included use of patient controlled analgesia (PCA), continuous lumbar epidurals, intermittent lumbar and thoracic epidural narcotics, and intrathecal narcotics

**May 1987 - May 1988**

Yale New Haven Hospital  
New Haven, CT

***Staff Registered Nurse (RN)-Operating Room***

- Proficient as circulating RN and surgical technician

**May 1985 - May 1989**

Yale New Haven Hospital  
New Haven, CT

***Staff RN-Newborn Special Care Unit***

- Cared for acutely and chronically ill newborns and their families
- Precepted new staff members
- Engaged in charge responsibilities (nights)
- Member of Neonatal Transport Team
- Shifts taken on a per diem basis from 5/87-5/89 while employed in the YNHH OR and during the didactic portion of nurse anesthesia program to maintain skills

**October 1984 - May 1989**

Yale New Haven Hospital  
New Haven, CT

***Childbirth Educator-Perinatal Education Program***

- Instructed expectant clients about the process of labor and delivery, Lamaze and relaxation techniques, and basic infant care skills

**August 1984 - May 1985**

Yale New Haven Hospital  
New Haven, CT

***Staff RN-Obstetric Service***

- Provided care to postpartum clients and neonates

- Engaged in charge responsibilities (day and night shifts)

## **PROFESSIONAL HONORS AND AWARDS**

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### **September 2019**

YNHH Surgical Services Hackathon Grand Prize Winner: *Reducing Nosocomial / Surgical Site Infection: Personal Device Protection and Decontamination*

### **January 2019**

Medical College of Virginia Foundation Research Grant

### **August 2014; January 2016**

VCU College of Health Professions A.D. Williams Doctoral Award

### **March 2011**

Inducted into the Golden Key International Honour Society – VCU Chapter

### **October 1990**

Agatha Hodgins C.R.N.A. Memorial Award for the outstanding Graduate Nurse Anesthetist  
Roche Nurse Anesthesia Award for academic excellence in the anesthesia program

### **January 1989**

Central Connecticut State University Graduate Student Academic Scholarship

### **February 1986**

Inducted into Sigma Theta Tau-The International Honor Society of Nursing - Delta Mu Chapter: Yale School of Nursing

## **CERTIFICATIONS**

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National Board of Certification & Recertification for Nurse Anesthetists: January 1991 - present

American Heart Association: Basic Life Support (BLS): March 1982 - present

American Heart Association: Advanced Cardiac Life Support (ACLS): October 1995 - present

American Heart Association: Pediatric Advanced Life Support (PALS): April 2008 – present

Reiki I: March 2008

Reiki II: August 2008

Collaborative Institutional Training Initiative (CITI): June 2010 – present

Institute for Healthcare Improvement (IHI) in Patient Safety: December 2013

- PS 100: Introduction to Patient Safety
- PS 101: Fundamentals of Patient Safety
- PS 102: Human Factors and Safety
- PS 103: Teamwork and Communication
- PS 104: Root Cause and Systems Analysis
- PS 105: Communicating with Patients after Adverse Events
- PS 106: Introduction to the Culture of Safety

## PROFESSIONAL ASSOCIATIONS

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The American Association of Nurse Anesthetists (AANA)

The Connecticut Association of Nurse Anesthetists (CTANA)

The New England Assembly of School Faculty (NEASF)

- Secretary: March 2015 – June 2016
- Chair: June 2016 – March 2018

## PUBLICATIONS

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**Cosgrove MS.** Perceived impact of ambient operating room noise by certified registered nurse anesthetists. *VCU Scholars Compass*. June 2019. <https://scholarscompass.vcu.edu/etd/5963/>

**Cosgrove MS.** Operative care of obstetric patients. *Crit Care Nurs Clin N Am*. 2015;27(1):89-103. <http://dx.doi.org/10.1016/j.cnc.2014.10.003>

**Cosgrove MS.** Infection control in the operating room. *Crit Care Nurs Clin N Am*. 2015;27(1):79-87. <http://dx.doi.org/10.1016/j.cnc.2014.10.004>

**Cosgrove MS.** Anesthesia for the adult patient with an unrepaired congenital cyanotic heart defect: A case report. *AANA J*. 2012;80(3):197-203.

Reilly C, **Cosgrove MS** (Faculty Mentor). Tracheal injury after lobectomy and DLT. *Int Student J Nurs Anesth*. 2016;15(3):49-52.

Guilmette D, **Cosgrove MS** (Faculty Mentor). Case study of a patient with mitochondrial cytopathy. *Int Student J Nurs Anesth*. 2020;19(1):58-61.

Raju R, **Cosgrove MS** (Faculty Mentor). Anesthetic management for a parturient with Brugada syndrome. *Int Student J Nurs Anesth*. 2020;19(1):72-75.

## PRESENTATIONS

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*Post-operative Pulmonary Edema.*

Connecticut Society of PeriAnesthesia Nurses (CSPAN), New Haven, CT; March 2009.

Connecticut Association of Nurse Anesthetists (CANANA), Meriden, CT; March 2014.

*Planes to Patients: Embracing a Culture of Safety.*

Connecticut Society of PeriAnesthesia Nurses (CSPAN), Hartford, CT; March 2011.

Yale New Haven Hospital Advanced Practice Provider (APP) Symposium, New Haven, CT; October 2016.

*The Experience of the Student Registered Nurse Anesthetist: Do We Need Stress Reduction Curriculum in our Anesthesia Programs?* Poster presentation of pilot research study findings at the AANA National Convention, Boston, MA; August 2011.

*Use of the Laryngeal Mask Airway.* Hospital of St. Raphael Department of Cardiology; July 2012.

*Airway on Demand.* Preceptor at Difficult Airway Workshop (supraglottic devices, channel scope, cricothyrotomy lab; fiberoptic bronchoscopy, Syndaver intubations). Yale New Haven Hospital; March 2013, April, November 2014, February 2019.

*Use of the syringe pump/Delivery of propofol via continuous infusion.* Yale New Haven Hospital Department of Oral and Maxillofacial Surgery, August 2013; May 2016.

*Klippel-Feil Syndrome: A Case Report.* Faculty mentor (Ruth Hammerschmidt, RN); Poster presentation at the American Association of Nurse Anesthetists Annual Congress, Orlando, FL; August 2014.

*Post-obstructive Pulmonary Edema*  
*Neonatal Surgical Emergencies*  
Nurse Anesthesiology Faculty Associates (NAFA)  
Williamsburg, VA; November 2013.  
Hilton Head, SC; May 2014.

*Making Do With What's Left: The Impact of Drug Shortages on Anesthesia Practice*  
*Anesthesia for the Patient with Hepatic Disease*  
Nurse Anesthesiology Faculty Associates (NAFA)  
Williamsburg, VA; November 2014.  
Orlando, FL; December 2014.

*Anesthetic Agents and Adjuvants*  
Yale New Haven Hospital – St. Raphael Campus Perioperative Staff RN in-service; February 2015.

*Making Do With What's Left: The Impact of Drug Shortages on Anesthesia Practice*  
Connecticut Association of Nurse Anesthetists (CANA), Norwich, CT; March 2015.

Molloy, B, Watson, C, Stone, K, French, C, Vaughn, D, **Cosgrove, M**, Marando, R. *Perioperative Cosopt for Rising Intraocular Pressure During Steep Trendelenburg Surgery.* Poster presentation at the Yale New Haven Hospital Joseph Zaccagnino Patient Safety and Clinical Quality Conference, Bridgeport, CT; May 2015.

*Physiologic Changes of Pregnancy*  
*Pediatric Cardiac Anomalies*  
*Anesthesia for the Patient with Metastatic Disease*  
Nurse Anesthesiology Faculty Associates (NAFA), Hilton Head, SC; May 2016.

*Local Anesthetics, Toxicity and Intralipid 20%*

Yale New Haven Hospital – St. Raphael Campus Labor and Delivery Staff RN in-service; November 2016.

YNHH St. Raphael Campus Perioperative Staff RN in-service; May 2017.

Quinnipiac University Rapid Fire Conference, North Haven, CT; February 2019.

*Anesthesia for the Cancer Patient*

Connecticut Association of Nurse Anesthetists (CANA), Cromwell, CT; March 2017.

Lewis Anesthesia for CE: Updates in Anesthesia, Meriden, CT; June 2017.

AANA Annual Congress, Boston, MA; September 2018.

Massachusetts General and North Shore (Partners Anesthesia), Boston, MA; April 2018

*Strategies for the Management of One-lung Ventilation*

Middlesex Anesthesia Department Grand Rounds, Middletown, CT; June 2017.

*Certified Registered Nurse Anesthetists: History to Present Day*

National Student Leadership Conference (NSLC) at Yale University, New Haven, CT; June, July 2017; July, August 2018, July 2019.

*Diversity CRNA Information Session Faculty panel member; Simulated epidural preceptor*

Drexel University, Philadelphia, PA; November 2017.

*Supraglottic Devices: LMA vs. iGel.*

*MH Update: Use of Ryanodex.*

Yale New Haven Hospital Department of Oral and Maxillofacial Surgery; January 2018

YNHH St. Raphael Campus Perioperative Staff RN in-service, December 2018.

*Multi-faceted Educational Program for Green Initiatives: Recycling and Waste Management at Yale New Haven Hospital.* YNHH York St. Campus, December 2018. (**Doctoral Scholarly Project Chair**). Deborah Stone-Burns, CRNA, MS.

*Effective Clinical Precepting.* YNHH APP Grand Rounds, June 2019.

*Art Zwerling Consensus Conference: (Re) Defining a Healthy Workplace.* New England Assembly of School Faculty (NEASF) Faculty Development Workshop. Northeastern University. **Breakout session facilitator**, September 2019.

*Exploration of the Perceived Barriers to Volunteerism on Surgical Short-term Medical Service Trips Among Certified Registered Nurse Anesthetists.* University of Kansas Medical Center, August 2019. (**Doctoral Scholarly Project Chair**). Josie Bell, CRNA, MSN.

*The Benefit of an Educational Session for the Application of Non-invasive Hemodynamic Monitoring for Goal-directed Fluid Therapy.* YNHH SRC Campus, January 2020. (**Doctoral Scholarly Project Chair**). Victoria Piacquadio, RN, BSN, CCRN.



*Orientation to Emergency Equipment for SRNAs in the Perioperative Setting Via a Simulation-based Enrichment Workshop.* YNHH SRC Campus, January 2020. (**Doctoral Scholarly Project Chair**). Ranji Raju, RN, BSN, CCRN.

## RESEARCH PROJECTS

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*A Preventive Intervention for Rising Intraocular Pressure in Steep Trendelenburg Position Surgical Patients: Development of the Molloy/Bridgeport Anesthesia Associates Observation Scale-An Observation Study.* Primary site investigator, Yale New Haven Hospital - St. Raphael Campus, New Haven, CT (Initial study 10/2011-8/2012; Phase II [Chemosis Observation Study] 8/2012-2017).

*Perceived Impact of Ambient Operating Room Noise by Certified Registered Nurse Anesthetists.* PhD dissertation, Virginia Commonwealth University College of Health Professions, June 2019.