

**Curriculum Vitae**  
**Shayne Doran Hauglum, PhD, CRNA, APRN**

**PERSONAL**

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Shayne Hauglum, PhD, CRNA, ARNP

**WORK ADDRESS:**

University of Miami School of Nursing and Health  
Office Phone: 305-284-4113  
Email: [shauglum@umiami.edu](mailto:shauglum@umiami.edu)

Assistant Professor of Clinical, Nurse Anesthesia  
Program University of Miami School of Nursing and  
Health Studies

Citizenship: Canada  
Visa Type (if non-citizen): Permanent Resident

**HIGHER EDUCATION**

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University of Miami: Miami, Florida  
Ph.D. Nursing, August 2015

University of New England: Biddeford, Maine  
Master of Science Nurse Anesthesia, October 2000

University of Phoenix: Honolulu, HI  
Bachelor of Science in Nursing, July 1997

Saskatchewan Institute of Applied Science and Technology, Saskatoon, Saskatchewan, Canada  
Diploma of Nursing, June 1992

**CERTIFICATION, LICENSURE**

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Certified Registered Nurse Anesthetist, Council on Certification of Nurse Anesthetists 2000,  
Expires 7/31/2020.

Florida APRN, Expires 4/30/2021

Advanced Cardiac Life Support

Pediatric Advanced Life Support

Certificate for Improving Simulation Instructional Methods: Research Skills for Simulation.  
Educators. University of Miami Gordon Center for Research in Medical Education.

December, 2016.

Certificate for Medical Simulation Certificate of Completion, May 2016. Institute for Medical Simulation. Simulation as a Teaching Tool: Instructor Course

Certificate of Attendance Pain Intervention Laboratory Practicum. Cadaver based interventional pain management laboratory practicum

## **EXPERIENCE**

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University of Miami School of Nursing and Health Studies  
Assistant Professor of Clinical, Nurse Anesthesia Program, August 15, 2015-Present

South Miami Hospital, South Miami, FL  
Certified Registered Nurse Anesthetist (CRNA), October, 2017- Present

University of Miami School of Nursing and Health Studies  
Teaching Assistant/Research Assistant - University of Miami, School of Nursing and Health Studies, Coral Gables, FL August 2012-2015

White Mountain Anesthesia, PLLC, North Conway, NH  
Founder and Certified Registered Nurse Anesthetist (CRNA), August 2002-February 2012.

Our Lady of Fatima Hospital, North Providence, RI  
Certified Registered Nurse Anesthetist (CRNA), February, 2000- August, 2002

VA Medical Center, Boston MA  
Certified Registered Nurse Anesthetist (CRNA), December 2000- February, 2002

Registered Nurse, Intensive Care Unit, St. Francis Medical Center, Honolulu, HI  
Registered Nurse, ICU, October, 1995-April, 1997

St. Francis Medical Center, Honolulu, HI  
Registered Nurse, ER/Telemetry Nurse, April, 1995-October, 1995

Kaiser Permanente Moanalua Medical Center, Honolulu, HI  
Registered Nurse, Medical/Surgical unit, October, 1993-April, 1995

## **MAJOR AREA OF CONCENTRATION IN PRACTICE**

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- Advanced Practice Certified Registered Nurse Anesthetist
- Acute and Chronic Pain Management
- Point of Care Ultrasound and Ultrasound-guided Procedures

## **MAJOR AREA OF CONCENTRATION IN RESEARCH/SCHOLARSHIP**

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- Acute and Chronic Pain with a focus in Predicting Pain and focusing on early Modulation
- Ultrasound technology in the educational and clinical settings
- Simulation in healthcare

## **PUBLICATIONS**

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1. **Hauglum, S.D.**, Vera, C., Alves, S., Tran, C. (2019). The Use of Computer-Assisted Instrument Guidance Technology by Student Nurse Anesthetists for Simulated Invasive Procedures. *AANA Journal*. In Press.
2. **Hauglum, S.D.**, Crenshaw, N.A., Gattamorta, K.A. and Mitzova-Vladinov, G. (2018) Evaluation of a Low-Cost, High-Fidelity Animal Model to Train Graduate Advanced Practice Nursing Students in the Performance of Ultrasound-Guided Central Line Catheter Insertion. *Simulation in Healthcare*. 13(5), p.341-347.
3. Mitzova-Vladinov, G., Bizzio-Knott, R., Hooshmand, M., **Hauglum, S.**, Aziza, K. (2017). Use of Blackboard Collaborate for Creation of Video Course Library. *Distance Learning*, 14 (1)
4. Mitzova-Vladinov, G., Bizzio-Knott, R., Hooshmand, M., **Hauglum, S.**, Aziza, K. (2017). Use of Blackboard Collaborate for Creation of Video Course Library. *Quarterly Review of Distance Education*, 18 (1)
5. De Santis, J.P., **Hauglum, S.D.**, Deleon, D.A., Provencio-Vasquez, E., & Rodriguez, A.E. HIV knowledge, risk perception, and sexual risk behaviors among transgender women. *Public Health Nursing*.
6. **Hauglum, S.** (2015). Prediction of Severe Postoperative Pain: Modification and Validation of a Clinical Risk Prediction Tool. Available from ProQuest Dissertation & Thesis Full Text.
7. **Hauglum, S.** (Fall, 2014). Post-Operative Pain Assessment. University of Miami School of Nursing & Health Studies Patient Safety Newsletter

## **GRANTS**

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1. **Hauglum, S.** (2019). Magic Leap Augmented Reality Award, University of Miami School of Nursing and Health Sciences. Utilization of a Virtual Reality Headset to Improve Ultrasound Training and Procedural Performance.
2. **Hauglum, S.**, Briones, P. (2019). Dean's Educational Innovation Award, University of Miami School of Nursing and Health Sciences. Ultrasound Training and Simulation for the Advancement of Diagnosis and Clinical Correlations of Advanced Practice Nursing Students.

## **PROFESSIONAL**

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### Honors and Awards:

1. Faculty Learning Community Fellow (2017). 3D Printing, Scanning, & Visualization. University of Miami, Coral Gables, FL. Spring 2017.
2. Awarded the March of Dimes "Nurse of the Year": Student Nurse/Graduate Category,

2013.

3. Awarded the Agatha Hodgins CRNA Memorial Award, presented to the outstanding graduate nurse anesthetists for academic and clinical excellence. St. Joseph Hospital School of Anesthesia for Nurses, North Providence, RI, 2000.

Nationally Refereed Published Abstracts, Presentations, and Symposia:

1. **Hauglum, S.** (2020). Ultrasound Identification of the Cricothyroid Membrane. AANALearn. Retrieved from:
2. **Hauglum, S.** (2020). Evaluation of an Animal Model to Train Nursing Students in Ultrasound-Guided Central Line Insertion. American Association of Nurse Anesthetists Assembly of Didactic and Clinical Educators annual meeting, Braselton, GA. February 2020.
3. **Hauglum, S.** (2019). Ultrasound Identification of the Cricothyroid Membrane. American Association of Nurse Anesthetists Annual Congress, Chicago, IL. August 2019.
4. **Hauglum, S.,** Vera, C., Alves, S., Tran, C. (2018). Poster presentation and Poster Tour. A comparison between ultrasound-guided peripheral nerve block with and without the Clear Guide One system during simulation. American Association of Nurse Anesthetists Annual Congress, Boston, MA. September 2018.
5. Diaz, E., Miller, A., **Hauglum, S.** (2018). Poster presentation. Gastric Content Measurement Utilizing Point of Care Ultrasound to Decrease Risk of Perioperative Aspiration. American Association of Nurse Anesthetists Annual Congress, Boston, MA. September 2018.
6. **Hauglum, S.** (2017). Podium presentation. Prediction of Severe Postoperative Pain: Modification and Validation of a Clinical Risk Prediction Tool. Sigma Theta Tau International Honor Society of Nursing 44<sup>th</sup> Biennial Convention, Indianapolis, IA. October 2017.
7. **Hauglum, S.** (2017). Podium/Poster presentation. Evaluation of a Low Cost, High Fidelity Animal Model to Train Graduate Advanced Practice Nursing Students in the Performance of Ultrasound-Guided Central Line Catheter Insertion. American Association of Nurse Anesthetists Annual Congress, Seattle, WA. September 2017.
8. Goldberger, B., Schnellenberger, K., Miller, A., **Hauglum, S.** (2017). Poster presentation. Transthoracic Ultrasonography during Cardiopulmonary Resuscitation in the Perioperative Period. American Association of Nurse Anesthetists Annual Congress, Seattle, WA. September 2017.

Regionally Refereed Published Abstracts, Presentations, and Symposia:

1. **Hauglum, S.,** Briones, P. (2018). University of Miami Faculty Showcase. Visual Medicine - An Innovative Approach to Teaching Advanced Health Assessment and Diagnostic Reasoning. Coral Gables, FL, October 2018.
2. **Hauglum, S.** (2017). Behind the Scenes: A Business Owners Perspective on the Trials and Tribulations of Private Practice. Ft. Lauderdale, FL. Florida Association of Nurse Anesthetists, March 2017.

Nationally Invited Presentations/Workshops:

1. Hauglum, S. (2019) Workshop Lecturer: Diversity CRNA Information Session & Airway Simulation Lab Workshop, July 19-21, 2019.
2. Hauglum, S. (2013). Workshop Lecturer: Ultrasound-guided regional anesthesia, American Association of Nurse Anesthetists Annual Congress, San Francisco, CA. August 2012.

Regionally Invited Presentations/Workshops:

1. Instructor (2018). Suturing and Minor Procedures Conference, Ft. Lauderdale, FL, October 27, 2018.
2. Hauglum, S. (2016). Workshop Lecturer: Spinal and Epidural anesthesia, Florida Association of Nurse Anesthetists Annual meeting, Orlando, FL. Fall 2016.
3. Hauglum, S. (2015). Workshop Lecturer: Ultrasound-guided regional anesthesia, Florida Association of Nurse Anesthetists Annual meeting, Tampa, FL. Fall 2015.
4. Hauglum, S. (2014). University of Miami School of Nursing and Health Studies, Doctor in Nursing Practice (DNP), Clinical Applications of Ultrasound Technology for The Advanced Practice Nurse, Coral Gables, FL. Fall 2014.
5. Hauglum, S. (2014). Regional Anesthesia Review, University of Miami School of Nursing and Health Studies, Nurse Anesthesia Program, Coral Gables, FL. Fall 2014.
6. Hauglum, S. (2014). Ultrasound-Guided Regional Anesthesia. Masters of Science in Nursing Nurse Anesthesia Program, Florida Gulf Coast University, Ft. Myers, FL. Summer 2014.
7. Hauglum, S. (2014). Regional Anesthesia Review. University of Miami School of Nursing and Health Studies, Nurse Anesthesia Program, Coral Gables, FL. Fall 2014.
8. Hauglum, S. (2014). Transthoracic (TTE) and Transesophageal (TEE) Interpretation for the Nurse Anesthetist. Masters of Science in Nursing Nurse Anesthesia Program, Florida Gulf Coast University, Ft. Myers, FL. Summer 2014.
9. Hauglum, S. (2014). The Anesthesia Machine. University of Miami School of Nursing and Health Studies, BSN to DNP Nurse Anesthesia Program, Coral Gables, FL. Spring 2014.
10. Hauglum, S. (2013). Finance and Business Management in Anesthesia Practice. University of Miami School of Nursing and Health Studies, Nurse Anesthesia Program, Coral Gables, FL. Fall 2013.
11. Hauglum, S. (2013). Ultrasound-Guided Regional Anesthesia. University of Miami School of Nursing and Health Studies, Nurse Anesthesia Program, Coral Gables, FL. Fall, 2013.
12. Hauglum, S. (2013). Ultrasound-guided vascular access. Masters of Science in Nursing Nurse Anesthesia Program, Florida Gulf Coast University, Ft. Myers, FL. Fall 2013.
13. Hauglum, S. (2013). Physics of Ultrasound. Masters of Science in Nursing Nurse

Anesthesia Program, Florida Gulf Coast University, Ft. Myers, FL. Fall 2013.

14. Hauglum, S. (2013). Finance and Business Management in Anesthesia Practice. Barry University, Doctor of Nursing Practice Program, Fall 2013.
15. Hauglum, S. (2013). Radiology for Anesthesia. University of Miami School of Nursing and Health Studies, Nurse Anesthesia Program, Coral Gables, FL. Summer 2013.

## TEACHING

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### Teaching Specialization

1. Ultrasound-Guided Regional Anesthesia and Vascular Access
2. Echocardiogram: Transthoracic (TTE), Transesophageal (TEE), and FAST scanning Interpretation for the Nurse Anesthetist
3. Cardiac and Respiratory Physiology
4. Pharmacology for the Nurse Anesthetist
5. Acute and Chronic Pain Management: Including intervention pain management
6. Radiology for Anesthesia
7. Health Assessment for the Nurse Anesthetist
8. Finance and Business Management in Anesthesia Practice

School	Course
University of Miami	<ul style="list-style-type: none"> <li>• NUR 613 Advanced Health Assessment &amp; Diagnostic Reasoning</li> <li>• NUR 614 Basic Concepts in Anesthesia Nursing</li> <li>• NUR 617 Pharmacology for Anesthesia Nursing</li> <li>• NUR 619 Advanced Concepts of Anesthesia Nursing I</li> <li>• NUR 620 Advanced Concepts of Anesthesia Nursing II</li> <li>• NUR 646 Interdisciplinary Anesthesia Nursing II</li> <li>• NUR 650 Interdisciplinary Anesthesia Nursing III</li> <li>• NUR 672 DNP Scholarly Project Seminar I</li> <li>• NUR 673 DNP Scholarly Project Seminar II</li> </ul>

## SERVICE

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### School of Nursing Committees:

Graduate Faculty Committee	Chair	09/2019 - Present
Academic Contingency Taskforce – Contingency Plan for Possible Closure of Coral Gables Campus	Member	09/2019 - Present
School Council Voting Procedure Ad Hoc committee	Member	10/2019
Ad Hoc Committee on Qualtrics	Member	09/2019 - Present
Faculty Affairs SONHS	Member	12/2016 - Present
Graduate Faculty Committee	Member	08/2015 - Present
Academic Technology Committee	Member	08/2015 - 08/2017
Simulation Conference Task Force	Member	06/2017 - 11/2017
Nurse Anesthesia Student Association Faculty Advisor	Member	01/2017 - Present

DNP Comprehensive Exam Reviewer:

1. Research Question Reviewer 2019
2. Translational Science Question Reviewer 2018

DNP Scholarly Project Advisor/Content Expert:

1. Alonso, C. (2019). Preventing Postoperative Delirium in Patients Undergoing Orthopedic Surgery by Implementing as Early Screening Protocol.
2. Fernandez, Y. (2019). Perioperative Gastric Ultrasound Screening to Reduce Aspiration Risk.
3. Hines, C. (2019). Gap Analysis Report for Utilization of STOP-bang Questionnaire.
4. Patel, N. (2019). Video-assisted Instruction to Standardize Clinical Skills Education.
5. Stewart, A. (2019). Implementing the Confusion Assessment Method to Improve Delirium Care in Intensive Care Unit Patients: A Quality Improvement Project.
6. Thankachan, J. (2019). Goal-directed Therapy Algorithm using Stroke Volume Optimization.
7. Arrazola, L. (2018). Evaluation of a Music Therapy Protocol Adjunct to Enhance Postoperative Pain Management in Adolescents After Spinal Fusion Surgery
8. Esquenazi, C. (2018). Proper Positioning of Bite Blocks for Patients Undergoing Procedures in Prone Positioning with Transcranial Motor Evoked Potentials.
9. Gonzalez, V. (2018). Peripheral Nerve Injury Prevention Project for the Transgender Surgical Population.
10. Merritt, J. (2018). Labor Epidural Time-Outs: A Checklist for Obstetric Anesthesia Providers.
11. Mesadieu, E. (2018). Perioperative Anesthesia Hypothermia Management.
12. Tran, C. (2018). Enhanced Recovery after Gynecology Surgery: A Gap Analysis Project.
13. Diaz, E. (2018). Gastric Content Measurement Utilizing Point of Care Ultrasound to Decrease Risk of Perioperative Aspiration.
14. Goldberger, B., Schnellenberger, K. (2017). Transthoracic Ultrasonography during Cardiopulmonary Resuscitation in the Perioperative Period.

Editorial Activities:

1. Peer Reviewer, International Student Journal of Nurse Anesthesia (ISJNA).

Committee Membership & Professional Associations:

- American Association of Nurse Anesthetists

- Florida Association of Nurse Anesthetists
- FANA - Research Committee Member 2017-2019
- Sigma Member, Beta Tau Chapter