

Margaret Roseann Diehl, PhD, DNP, CRNA, CHSE-A

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Academic Background

2006 to 2016	<u>Texas Woman's University, Houston, Texas</u> PhD Program, College of Nursing
2007 – 2010	<u>Texas Christian University, Fort Worth, Texas</u> Doctor of Nursing Practice
1995 – 1997	<u>Texas Wesleyan University, Fort Worth, Texas</u> Masters of Health Science in Nurse Anesthesia
1983 – 1988	<u>University of Texas at Austin, Austin, Texas</u> Bachelor of Science in Nursing

Professional Certifications

Advanced Certified Healthcare Simulation Educator (CHSE-A), August 2018

Certified Healthcare Simulation Educator (CHSE), Initial certification June 2017

Council on Recertification of Nurse Anesthetists, expiration date July 2020. Initial certification January 1998

North Dakota & Compact Advanced Practice Nursing License expiration date November 2021, Initial certification 1988

Advanced Cardiac Life Support Certification, expiration date January 2021, Initial Certification 1988

Basic Cardiac Life Support Provider 1989 to January 2021

Pediatric Advanced Life Support Provider 2001 to January 2021

Present Rank

Professor of Professional Practice, TCU School of Nurse Anesthesia

Year of Appointment 2011

Previous Teaching Appointments

April 2019 – present

- Professor of Professional Practice, Texas Christian University School of Nurse Anesthesia

November 2011 to present

- Associate Professor of Professional Practice, Texas Christian University School of Nurse Anesthesia

December 2006 to April 2009

- Assistant Professor, Department of Anesthesiology Baylor College of Medicine (BCM), Houston, Texas
- Assistant Professor, School of Allied Health Sciences BCM, Houston, Texas
- Associate Director and Clinical Faculty, BCM Graduate Program in Nurse Anesthesia, *Houston, Texas*

June 2006- December 2006

- Instructor, Department of Anesthesiology & School of Allied Health Sciences BCM, Houston, Texas
- Associate Director and Clinical Faculty, BCM Graduate Program in Nurse Anesthesia, *Houston Texas*

February 2001 to June 2006

- Instructor, Department of Anesthesiology BCM, Houston, Texas
- Assistant Director and Clinical Faculty, BCM Graduate Program in Nurse Anesthesia, *Houston, Texas*

June 1999 to February 2001

- Instructor, Department of Anesthesiology BCM, Houston, Texas
- Clinical Faculty, BCM Graduate Program in Nurse Anesthesia, *Houston, Texas*

Previous Professional Clinical Practice Positions:

May 2009 to present	Part time/ PRN Clinical CRNA, Sanford Healthcare System, Fargo, North Dakota
1999 to April 2009	Faculty CRNA, Ben Taub General Hospital, Houston, Texas
1998 – 1999	Staff CRNA, M.D. Anderson Cancer Center, Houston, Texas
1991 – 1995	Surgical Critical Care Educator (SICU, CVTICU, NICU) Parkland Memorial Hospital, Dallas Texas
1989 – 1991	Staff RN, Surgical/Trauma ICU Parkland Memorial Hospital, Dallas Texas
1988 – 1989	Critical Care Trauma Nurse Internship, Parkland Memorial Hospital, Dallas Texas
1987 – 1988	Staff RN, ICU Brackenridge Hospital, Austin Texas

Formal Continuing Education Associated with Professional Development

2015

- FANA Sand and Surf Anesthesia Symposium—7 hours
- TCU Simulation Saturday—8 hours
- AANA Midyear Assembly—10 hours
- NDANA Annual Spring Educational Meeting—13 hours
- ACLS—4.5 hours
- TCU Clinical Coordinator Update—5 hours

2016

- TCU Simulation Saturday—12 hours
- TCU Clinical Coordinator Update—7.5 hours
- AANA Assembly of School Faculty—16 hours
- AANA Midyear Assembly—12 hours
- AANA Principles and Goal of Writing Curriculum—1 hour
- NDANA Annual Spring Educational Meeting—12 hours
- NDANA Annual Fall Educational Meeting—12 hours

2017

- TCU Simulation Saturday—15 hours
- AANA Assembly of School Faculty—16 hours
- AANA Midyear Assembly—12.5 hours
- NDANA Annual Spring Educational Meeting—14 hours
- NDANA Annual Fall Educational Meeting—12 hours
- AANA Annual Convention—22 hours

2018

- TCU Simulation Saturday--- 22 hours
- AANA Assembly of School Faculty 12 hours
- NDANA Spring Education Meeting—14 hours
- WCNA, Budapest Hungary, 11 hours

2019

- TCU Simulation Saturday--- 65 hours
- AANA Assembly of School Faculty 12 hours
- NDANA Spring Education Meeting—14 hours

Honors and Awards

2018	Clinical Preceptor Award from University North Dakota School of Nurse Anesthesia
2016	Top 5 Scientific Posters, International Federation of Nurse Anesthetists' Meeting
2014	North Dakota Center for Nursing Nominee for Simulation Innovation
2012	Sanford Health Research Award for Outpatient Anesthesia—PONV Focus
2011	North Dakota Regional Health Simulation Facilitator Volunteer Award
2008	Baylor College of Medicine Graduate Program in Nurse Anesthesia Clinical Excellence in Teaching Award
2007	Baylor College of Medicine Fulbright & Jaworski Faculty Excellence Award for Teaching and Evaluation
2007	Texas Woman's University Graduate Teaching Assistant--Pharmacology
2005	Baylor College of Medicine Graduate Program in Nurse Anesthesia Clinical Excellence in Teaching Award
2003	Baylor College of Medicine Graduate Program in Nurse Anesthesia Clinical Excellence in Teaching Award
2003 – 2008	Selected as an Adjunct Simulation Trainer for Medical Education Technology Institute (METI)
2002	Glaxo-Smith-Kline (GSK) Registered Speaker
2001	Baylor College of Medicine Graduate Program in Nurse Anesthesia Clinical Excellence in Teaching Award
1997	Texas Wesleyan University, Graduated with Honors
1992	Parkland Memorial Hospital Most Valuable Employee
1985 – 1987	University of Texas at Austin, School of Nursing Deans List
1986 – present	Sigma Theta Tau inducted and continued membership

Teaching

Academic Responsibilities at TCU (2011 – 2019)

Decision Science & Nursing Informatics
Translational Research
DNP Project Handbook
DNP Chair/Mentor Roles
Advanced Simulation Course (ANTS & ACRM)
Obstetric/Gynecology Module
Pediatric Module

Graduate Projects Directed

2011—2 DNP projects
2012—6 DNP projects
2013—8 DNP projects
2014—12 DNP projects
2015—14 DNP projects
2016—16 DNP projects
2017—16 DNP projects
2018—15 DNP projects
1 DNP project committee Georgetown University
2019—14 DNP projects
1 DNP project TCU DNP Completion program

Academic Didactic Responsibilities (Baylor College of Medicine 2000 – 2009)

Course Director:

Principles of Anesthesia
Integrated Anesthesia Concepts
Physics in Anesthesia
Human Anesthesia Simulation
Health Research Methods
Clinical Modules General Anesthesia I, II, III

Didactic Topics:

Spinal and Evoked Potentials
Human Patient Simulation
Diabetes and anesthesia
Morbid Obesity and Bariatric Procedures
ECG and Pacemakers Biomedical Concepts
Head and Neck
Serotonin Agonists and Antagonists
Electrical and Fire Safety in the OR
Diseases of the Pulmonary System
Positioning during Anesthesia
Acid Base Principles and Clinical Application
Fluid and Electrolyte Balance in Anesthesia
Integration of Physical Concepts
Breathing, Scavenging Systems, Gas Supplies
Work, Energy and Power
Fluid Pressure and Flow
Mechanical Ventilation
Newtons, Pressure and Force
Introduction to Anesthesia
SVO₂, CO and Oximetric Monitoring
Integration of Anesthesia, OLV
Ethics in Research
Acute Pain Management
Diagnostic and Special Procedures
Temperature Monitoring
Ethical Decision Making
Invasive and Noninvasive Monitoring
Integration of Anesthesia: Sepsis
Phytopharmaceuticals
Integration of Anesthesia—TURP
Integration of Anesthesia—ESRD,
GU and Renal Principles of Anesthesia
Ambulatory Procedures
Chemical and Biological Agents
Drugs Affecting the Respiratory System

Research and Creative Activity

Refereed Publications

- Freshcoln, M. Diehl, M. R. (2014). Repositioning during robotic procedures to prevent postoperative visual loss. *OR Nurse*, 8(4), 36-40.
- Cannon-Diehl, M. R.**, Rugari, S., Jones, T. (2012). Simulation for continuing education among nurse anesthetists, *AANA Journal*.
- Cannon-Diehl, M. R.** (2010). Blood transfusion: Does it have an affect on outcome. *Critical Care Nursing Quarterly*, 33(4), 1 – 10. (October – December issue)
- Cannon-Diehl, M. R.** (2010). Caring for the critically ill post-bariatric patient. *Critical Care Nursing Quarterly*, 33(4), 1 – 16. (October – December issue)
- Hwang, K. O., Ottenbacher, A. J., Green, A. J., **Cannon-Diehl, M. R.**, Richardson, O. et al. (2009). Social support in an Internet weight loss community. *International Journal of Medical Informatics*, 79(1), 5 – 13.
- Cannon, M.R.** (2009). Simulation: State of the Science in Nursing. *Critical Care Nursing Quarterly*, 32(2), 128-136.
- Ruffolo, D.C., & **Cannon, M. R.**, (2007). Gastric tonometry: early warning of tissue hypoperfusion. *Nursing Spectrum/ Nurseweek*, CE: (Course CE226c). Retrieved March 19, 2007, from http://www2.nursingspectrum.com/CE/Self-Study_modules/syllabus.html?CCID=3173.
- Cannon, M. R.** (2006). [Review of the book *Critical Care Handbook of the Massachusetts General Hospital*]. *AANA Journal*, 74 (3), 68.
- Cannon, M. R.** (2006). *Workbook for anesthesia: Common diseases (Part I)*. Brockton, MA: Western Schools, Inc.
- Cannon, M. R.** (2006). *Workbook for anesthesia: Common procedures (Part II)*. Brockton, MA: Western Schools, Inc.
- Cannon, M. R.** (2006). *Workbook for anesthesia: Drugs (Part III)*. Brockton, MA: Western Schools, Inc.
- Cannon, M. R.** (2006). *Workbook for practical guide to moderate sedation and analgesia (2nd Ed)*. Brockton, MA: Western Schools, Inc.
- Ruffolo, D.C., & **Cannon, M. R.**, (2004). Gastric tonometry: early warning of tissue hypoperfusion. *Nursing Spectrum/ Nurseweek*, CE: (Course CE226c). Retrieved March 19, 2007, from http://www2.nursingspectrum.com/CE/Self-Study_modules/syllabus.html?CCID=3173.

Non-refereed publications

- Diehl, M. R., **Sanders, K. K.** (2017). *Nurse Anesthesia*, 5th edition, Chapter 54: Anesthesia Complications
- Cannon-Diehl, M. R., **Sanders, K. K.** (2014). *Nurse Anesthesia*, 5th edition, Chapter 54: Anesthesia Complications.
- Diehl, M. R.** (2012). CAE Healthcare Simulated Anesthesia Learning Modules for Muse

Materials accepted / scheduled for publication

Diehl, M. R. (2018). Student-Self Evaluation after High Fidelity Simulation Compared to Faculty Evaluation of Student Performance: A novel approach to ANTS tool. *Society for Simulation in Health Care* (submitted for publication)

Papers presented, Participation on Panels

2019

Sanford Health, Fargo, ND Simulation Development Committee, invited participation to assist development of new simulation facility

2018

North Dakota Center for Nursing Board of Nursing Panel addressing opioid abuse, Board meeting and draft of position statement.

2016

Invited Poster: **Anaesthetists' Non-technical Skills (ANTS) Tool Ratings Correlation Between Students and Faculty after High Fidelity Simulation**, International Federation of Nurse Anesthetists Meeting, May 2016

2012

Invited Poster: PONV in Elective Hip Arthroplasty Under Spinal Anesthesia

2012 Sanford Nursing Symposium: Advancing Nursing Practice—The Exceptional Presence of Nursing

2007

Invited Poster: Human Patient Simulation in Anesthesia: Integrating Curricula

American Association of Nurse Anesthetists Foundation State of the Science, August 2007

2006

Invited Poster: Human Patient Simulation in Anesthesia: Integrating Curricula

Fullbright and Jaworski Baylor College of Medicine Showcase of Educational Scholarship

2005

Integrating Human Simulation into Allied Health Curriculum: A New Challenge, Association of Schools of Allied Health Professionals (ASAHP), Houston, TX

2001

Battlefield Anesthesia, Baylor College of Medicine Allied Health Poster Presentation (Mentored student, Wendy Odell, SRNA)

Cardiac Output Varies with Patient Height, Baylor College of Medicine Allied Health Poster Presentation (Mentored student research, Daniel Schlichting, SRNA)

Editorship, Consulting

2017 – present Anesthesia E Journal Editor-in-Chief

2014 – 2017 Anesthesia E Journal Associate Editor

2013 – present

Reviewer for *Gastroenterology Nursing*, Editor, Kathy Baker

2012

Critical Care Nursing Quarterly Invited Review, for High Fidelity Simulation: A Teaching Tool Used During a Critical Care Course

2010

Oropharynx Chapter with Kathy Baker

2009

METI Adjunct Faculty

Expanding Nursing Education Capacity, Health Affairs, Invited Perspective

2004

Latest Advancements in Managing Asthma, American Healthcare Institute, Content Editor for Audio Tape Independent Study

Adjunct Trainer Instructor Manual, Medical Education Technologies Institute (METI), Content Editor for User Manual

Other Research / Creative Activities

Closed 2019: IRB Texas Christian University. Nurse anesthesia student emotional intelligence correlation to GPA and faculty interview evaluation scores.

Closed 2017: IRB Texas Christian University/Texas Woman's University. Is there a difference between nurse anesthesia student self-evaluation of non-technical skills and faculty evaluation of non-technical skills? A novel application of the ANTS tool.

Closed 2015: IRB Sanford-Meritcare Health System North, Fargo, ND. A prospective randomized-controlled trial for patients undergoing total hip replacement under spinal anesthesia to determine the effectiveness of PONV prevention using either ondansetron-dexamethasone combination or droperidol-dexamethasone combination.

Closed 2014: IRB Texas Christian University, Fort Worth, TX. Nurse anesthetists' perceptions related to teaching and learning using high-fidelity simulation, a survey.

Closed 2012: IRB Baylor College of Medicine, Houston, TX. Use of simulation in nurse anesthesia curricula: a program director survey.

Service

Departmental Service

2019 Member TCU School of Nurse Anesthesia Asst Program Director Search Committee
2019 Member TCU School of Nurse Anesthesia Program Director Search Committee
2018 – 2019 Member TCU School of Nurse Anesthesia Promotions Committee
2016 – 2018 Chair--TCU School of Nurse Anesthesia Promotions Committee
2015 – present Nurse Anesthesia Simulation Academic Committee
2014 – present School of Nurse Anesthesia Academic Promotions Committee
2011 – present School of Nurse Anesthesia Admissions Committee

University Service

2018 – present TCU Evaluation Committee
2016 - present TCU Library Committee

Community Activities directly related to professional skills

2019 – present SSH CHSE review Committee
2018 – present Sanford Health Simulation Development Committee
2017 – present AANA Simulation Users Group
2015 – present ND Center for Nursing Finance Committee Member
2014 – present CRNA Day at the Capitol, Bismarck
2014 – present ND Center for Nursing Board of Directors
2001 – 2008 Harris County ACLS, PALS Instructor

Professional Service

2016 – 2018 North Dakota Association of Nurse Anesthetists, Treasurer
2014 – 2016 North Dakota Association of Nurse Anesthetists, Treasurer
2013 – 2014 North Dakota Association of Nurse Anesthetists, President

2010 – 2012	Advanced Practice Practitioner Group Council Vice Chair, Sanford-MeritCare Health System North, Fargo, ND
2009 – present	North Dakota Association of Nurse Anesthetists, Board of Directors
2008 – 2009	American Association of Nurse Anesthetists Program Committee Chair
2006 - 2008	American Association of Nurse Anesthetists Program Committee
1997 – 2009	Texas Association of Nurse Anesthetists Board of Directors
2006 – 2007	American Association of Nurse Anesthetists, Nominating Committee Member
2003 - 2007	Texas Association of Nurse Anesthetists Information Technology Committee Chair and member
2003 – 2005	Texas Association of Nurse Anesthetists Program and Education Committee
2009 – present	Society for Simulation in Healthcare
2010 – present	Society for Airway Management
1986 – present	Sigma Theta Tau National Honor Society
2000 – 2009	Baylor College of Medicine (BCM) Admissions Committee for the Graduate Program in Nurse Anesthesia
2001 – 2009	BCM GPNA Executive Faculty Committee
2005 – 2007	BCM, Allied Health Promotions Committee Chair
2005 – 2007	BCM, School of Allied Health Sciences Executive Education Committee
2001 – 2005	BCM Allied Health Promotions Committee
2001 – 2004	BCM Allied Health Sciences Curriculum Subcommittee
2000 – 2003	BCM Allied Health Sciences Curriculum Committee Graduate Program in Nurse Anesthesia
2002	Allied Health Applied Physiological Perspectives Committee
2000 – 2001	Complementary and Alternative Medicine (CAM) Committee, Baylor College of Medicine Graduate Program of Nurse Anesthesia
2000 – 2001	Operating Room Sub-Committee: Patient Workups and Consents, Harris County Hospital District, Ben Taub General Hospital

Other Service Activities

Professional Presentations

International

2018

Tegaderm® film transparent dressing improves difficult mask ventilation in adult patients with a beard, World Congress for Nurse Anesthetists, Budapest, Hungary, June 2018

A unique approach to HFS curricula in nurse anesthesia education: Bringing the practicing nurse anesthetist into the simulation experience, World Congress for Nurse Anesthetists, Budapest, Hungary, June 2018

Super morbid obesity an expanding problem, Danube Cruise, 2018

High fidelity simulation approach using confederates, Danube Cruise, 2018

2016

OSA and Ambulatory Surgery: Issues and Evidence, International Seminars LLC, Providenciales, Bahamas

Complications of Anesthesia, International Seminars LLC, Providenciales, Bahamas

Neurological & CV Complications in the Parturient, International Seminars LLC, Providenciales, Bahamas

Protective Mechanical Ventilation in the OR, International Seminars LLC, Providenciales, Bahamas

2015

OSA and Ambulatory Surgery: Issues and Evidence, International Seminars LLC, Cayman Islands

Complications of Laparoscopy, International Seminars LLC, Cayman Islands

Neurological Complications in the Parturient, International Seminars LLC, Cayman Islands

Perioperative Care of the Super Morbidly Obese, International Seminars LLC, Cayman Islands

2013

OSA and Ambulatory Surgery: Issues and Evidence, International Seminars LLC, Providenciales, Bahamas

Complications of Laparoscopy, International Seminars LLC, Providenciales, Bahamas

Neurological Complications in the Parturient, International Seminars LLC, Providenciales, Bahamas
Perioperative Care of the Super Morbidly Obese, International Seminars LLC, Providenciales, Bahamas

2011

Perioperative Care of the Morbidly Obese Undergoing Bariatric Surgery, International Seminars LLC, Providenciales, Bahamas
Anticoagulant Pharmacology, International Seminars LLC, Providenciales, Bahamas
Anticoagulation Pathology: Stop the Bleeding and Clotting!, International Seminars LLC, Providenciales, Bahamas
ICU and ER simulated scenario with debriefing techniques, METI Human Patient Simulation Network International Conference, Tampa, FL

2009

Aging, Anesthesia, & Antioxidants: Here Come the Centenerians, International Seminars LLC, Providenciales, Bahamas
Perioperative Hypertension, to Treat or not to Treat, that is the Question, International Seminars LLC, Providenciales, Bahamas
Perioperative Pulmonary Edema: Pathophysiology and Current Management, International Seminars LLC, Providenciales, Bahamas

2008

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, International Seminars, LLC, Providenciales, Bahamas
Diabetes Mellitus: Are We Running our Patients a Little Too Sweet? International Seminars, LLC, Bahamas
Perioperative Blood Transfusion, Does it have and Effect on Outcome, International Seminars, LLC, Bahamas
Carbon Dioxide Utilization during Simulation, METI Human Patient Simulation Network International Conference, Tampa, FL
Creating a Hemodynamic Rollercoaster using HPS high fidelity simulation, METI Human Patient Simulation Network International Conference, Tampa, FL

2007

Perioperative Blood Transfusion, Does it have and Effect on Outcome, International Seminars, LLC, Cayman Islands
Perioperative Care of the Morbidly Obese Patient undergoing General Anesthesia, International Seminars, LLC, Cayman Islands
Preoperative Assessment of the Severe Diabetic, International Seminars, LLC, Cayman Islands
Integrating a Competency Based Assessment into Nurse Anesthesia Curriculum, METI Human Patient Simulation Network International Conference, Tampa, FL
Creating a Hemodynamic Rollercoaster using HPS high fidelity simulation, METI Human Patient Simulation Network International Conference, Tampa, FL

2006

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, International Seminars, LLC, Providenciales, Turks and Caicos Islands
Ketamine, a New Look at an Old Drug, International Seminars, LLC, Providenciales, Turks and Caicos Islands
Diabetes Mellitus: Are We Running our Patients a Little Too Sweet? International Seminars, LLC, Providenciales, Turks and Caicos Islands
Carbon Dioxide Utilization during Simulation, METI Human Patient Simulation Network International Conference, Tampa, FL
Malignant Hyperthermia Simulation, METI Human Patient Simulation Network International Conference, Tampa, FL

2005

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, International Seminars, LLC, Cozumel, Mexico
Obesity and Anesthesia, An Expanding Problem for the Anesthetist, International Seminars, LLC, Cozumel, Mexico

Metabolic Syndrome, Diabetes and CV Risk, International Seminars, LLC, Cozumel, Mexico
Carotid Endarterectomy, Recognition and Management of Hemodynamic Changes, METI Human Patient Simulation Network International Conference, Tampa, FL
Remifentanyl: Pharmacological Profile in the Morbidly Obese versus Lean Patient, METI Human Patient Simulation Network International Conference, Tampa, FL
Utilization of HPS Pulmonary Parameters to Simulate a Variety of Intraoperative Ventilatory Conditions, METI Human Patient Simulation Network International Conference, Tampa, FL

2004

Implementing a Graded and Integrated Human Anesthesia Simulation Curriculum, METI Human Patient Simulation Network International Conference, Tampa, FL

National

2013

Simulation and Competency: Current Evidence and State of the Science, AANA Assembly of School Faculty

2012

Complications in Anesthesia, AANA Annual Meeting, San Francisco, California
Thromboembolism in the OR, AANA Annual Meeting, San Francisco, California
View Stage Right: Laparoscopic Complications, AANA Annual Meeting, San Francisco, California

2010

Uncommon Diseases, AANA Annual Meeting, Seattle, Washington
Overview of Simulation, AANA Assembly of School Faculty, San Antonio, Texas
Debriefing, Evidence for Practice, AANA Assembly of School Faculty, San Antonio, Texas

2009

Measuring Competency in Nurse Anesthesia, Society for Airway Management Scientific Meeting, Las Vegas, Nevada
Simulation Demonstration, Hemodynamic Perturbations, AANA Annual Meeting, San Diego, California

2008

Practical Aspects of Developing a Simulator Course, AANA Assembly of School Faculty, Newport Beach California

2007

Difficult Airway Management Simulated Station Instructor, Texas Anesthesia Conference for Obstetrics, Baylor College of Medicine, Houston, Texas

2006

Serotonin Agonists and Antagonists, Caesar's Anesthesia Review, Premier Anesthesia Seminars, Las Vegas, NV
Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Caesar's Anesthesia Review, Premier Anesthesia Seminars, Las Vegas, NV
Metabolic Syndrome, Diabetes and CV Risk, Caesar's Anesthesia Review, Premier Anesthesia Seminars, Las Vegas, NV
Case Review You Be the Judge, Caesar's Anesthesia Review, Premier Anesthesia Seminars, Las Vegas, NV
Obesity and Anesthesia, An Expanding Problem for the Anesthetist, Caesar's Anesthesia Review, Premier Anesthesia Seminars, Las Vegas, NV,
Perioperative Care of the Bariatric Patient, American Association of Nurse Anesthetists Annual Meeting, Cleveland, Ohio
Preoperative Assessment of the Severe Diabetic, American Association of Nurse Anesthetists Annual Meeting, Cleveland, Ohio

2005

Serotonin Agonists and Antagonists, 7th Annual Current Theories of Anesthesia, Premier Anesthesia Seminars, Lake Buena Vista, FL
Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, 7th Annual Current Theories of Anesthesia, Premier Anesthesia Seminars, Lake Buena Vista, FL

Metabolic Syndrome, Diabetes and CV Risk, 7th Annual Current Theories of Anesthesia, Premier Anesthesia Seminars, Lake Buena Vista, FL

Case Review You Be the Judge, 7th Annual Current Theories of Anesthesia, Premier Anesthesia Seminars, Lake Buena Vista, FL

Obesity and Anesthesia, An Expanding Problem for the Anesthetist

7th Annual Current Theories of Anesthesia, Premier Anesthesia Seminars, Lake Buena Vista, FL

Childhood Obesity, American Association of Nurse Anesthetists Annual Meeting, Washington, DC

2004

Laparoscopic Era: Morbid Obesity and Bariatric Surgery

American Association of Nurse Anesthetists Annual Meeting, Seattle, WA

Difficult Airway Management—Fiberoptic Intubation Station,

American Association of Nurse Anesthetists Annual Meeting, Seattle, WA

2003

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, American Association of Nurse Anesthetists Annual Meeting, Boston, MA

2002

Obesity and Anesthesia, An Expanding Problem for the Anesthetist, American Association of Nurse Anesthetists Annual Meeting, Orlando, FL

2001

Serotonin Pharmacology, American Association of Nurse Anesthetists Annual Meeting, San Francisco, CA

Difficult Airway Management—Fiberoptic Intubation Station, American Association of Nurse Anesthetists Annual Meeting, San Francisco, CA

Regional / State

2019

Update on Obstetrical Issues, North Dakota Association of Nurse Anesthetists Spring Meeting

Update on Sanford Massive Transfusion Protocol, Fall Sanford Departmental Skills Fair

2018

Super Morbid Obesity and Anesthesia, North Dakota Association of Nurse Anesthetists Spring Meeting

Protective Modes of Ventilation, Sanford Health Anesthesia Rounds

Anesthesia Update, Sanford Health Anesthesia Annual Departmental Meeting (invited presentation)

2017

Obstetrical Complications and Practice Update, North Dakota Association of Nurse Anesthetists Spring Meeting

2016

Anesthetists' Non-technical Skills (ANTS) Tool Ratings Correlation Between Students and Faculty after High Fidelity Simulation, International Federation of Nurse Anesthetists Invited Poster Presentation

OSA and Ambulatory Surgery, North Dakota Association of Nurse Anesthetists Fall Meeting

Update on Obstetrical Issues, North Dakota Association of Nurse Anesthetists Fall Meeting

2015

OSA and Ambulatory Surgery, Lansing Michigan, Michigan Association of Nurse Anesthetists Fall Meeting

Complications of Laparoscopy, Lansing Michigan, Michigan Association of Nurse Anesthetists Fall Meeting

Super Morbid Obesity and Anesthesia, Lansing Michigan, Michigan Association of Nurse Anesthetists Fall Meeting

OSA and Ambulatory Surgery, Marco Island, Florida, Florida Association of Nurse Anesthetists Spring Meeting

Complications of Laparoscopy, Marco Island, Florida, Florida Association of Nurse Anesthetists Spring Meeting

Neurological Complications of the Parturient, Marco Island, Florida, Florida Association of Nurse Anesthetists Spring Meeting

Cardiovascular Complications of the Parturient, Marco Island, Florida, Florida Association of Nurse Anesthetists Spring Meeting

Super Morbid Obesity and Anesthesia, Marco Island, Florida, Florida Association of Nurse Anesthetists Spring Meeting

2014

Perioperative Care of the Super Morbid Obese undergoing Anesthesia, Ohio Association of Nurse Anesthetists, Fall Meeting

Complications of Da Vinci Robotic Surgery, Ohio, Spring Meeting

Neurological Complications in the Parturient, North Dakota Association of Nurse Anesthetists, Spring Meeting

Complications of Da Vinci Robotic Surgery, North Dakota Association of Nurse Anesthetists, Spring Meeting

Neurological Complications in the Parturient, Texas Association of Nurse Anesthetists, Spring Meeting

Perioperative Care of the Super Morbid Obese undergoing Anesthesia, Texas Association of Nurse Anesthetists, Spring Meeting

2013

Perioperative Care of the Super Morbid Obese undergoing Anesthesia, North Carolina Association of Nurse Anesthetists, Fall Meeting

OSA and Ambulatory Anesthesia: An Evidence-based Approach, North Carolina Association of Nurse Anesthetists, Fall Meeting

Perioperative Care of the Super Morbid Obese undergoing Anesthesia, Oklahoma Association of Nurse Anesthetists, Fall Meeting

OSA and Ambulatory Anesthesia: An Evidence-based Approach, Oklahoma Association of Nurse Anesthetists, Fall Meeting

View Stage Right: Laparoscopic Complications, Oklahoma Association of Nurse Anesthetists, Fall Meeting

2012

Thromboembolism in the OR, Texas Association of Nurse Anesthetists, Fall Convention

View Stage Right: Laparoscopic Complications, Texas Association of Nurse Anesthetists, Fall Convention

Uncommon Diseases, Idaho Association of Nurse Anesthetists Spring Convention

Anticoagulant Pathophysiology, Idaho Association of Nurse Anesthetists Spring Convention

Diabetes and Perioperative Outcome, Idaho Association of Nurse Anesthetists Spring Convention

2011

Obstructive Sleep Apnea and Ambulatory Surgery Implications for Practice, Wisconsin Association of Nurse Anesthetists Spring Meeting

Uncommon Diseases, Wisconsin Association of Nurse Anesthetists Spring Convention

Anticoagulant Pathophysiology, Wisconsin Association of Nurse Anesthetists Spring Convention

Diabetes and Perioperative Outcome, North Dakota Association of Nurse Anesthetists Spring Meeting

Uncommon Diseases, Arkansas Association of Nurse Anesthetists Spring Convention

Perioperative Blood, Transfusion Does It Affect Outcome, Arkansas Association of Nurse Anesthetists Spring Meeting

Obstructive Sleep Apnea and Ambulatory Surgery Implications for Practice, Arkansas Association of Nurse Anesthetists Spring Meeting

2010

Uncommon Diseases, Ohio Association of Nurse Anesthetists Fall Convention

Perioperative Blood, Transfusion Does It Affect Outcome, Ohio Association of Nurse Anesthetists Fall Convention

Obstructive Sleep Apnea and Ambulatory Surgery Implications for Practice, Ohio Association of Nurse Anesthetists Fall Convention

Perioperative Blood Transfusion Does It Affect Outcome, AANA ELearn & University of Minnesota Nurse Anesthesia Program/Seminar

Perioperative Hypertension: To Treat or Not to Treat, AANA ELearn & University of Minnesota Nurse Anesthesia Program/Seminar

Case Review You Be the Judge, Ohio Association of Nurse Anesthetists Spring Meeting, Columbus, Ohio, and New England Assembly of Nurse Anesthetists Spring Meeting

Metabolic Syndrome and Diabetes, Assessing Cardiovascular Risk, Ohio Association of Nurse Anesthetists Spring Meeting, Columbus, Ohio

Perioperative Pulmonary Edema Pathophysiology and Current Treatment, New England Assembly of Nurse Anesthetists Spring Meeting, Burlington Massachusetts

Aging, Anesthesia, & Antioxidants: The Centenarians are Coming, North Dakota Association of Nurse Anesthetists Spring Meeting

Bariatric Surgery & Beyond: Caring for the Post-Bariatric Patient Undergoing Non-Bariatric Surgery, North Dakota Association of Nurse Anesthetists Spring Meeting

Case Review You Be the Judge, North Dakota Association of Nurse Anesthetists Spring Meeting

2009

Metabolic Syndrome and Diabetes, Assessing Anesthetic Risk, Minnesota Association of Nurse Anesthetists Fall Meeting

Morbid Obesity, An Expanding Problem for the Anesthetist, Minnesota Association of Nurse Anesthetists Fall Meeting

Case Review, You Be the Judge, Minnesota Association of Nurse Anesthetists Fall Meeting

Ketamine, a New Look at an Old Drug, West Virginia Association of Nurse Anesthetists Fall Meeting

Case Review You be the Judge, West Virginia Association of Nurse Anesthetists Fall Meeting

Diabetes, Assessing Cardiovascular Risk, West Virginia Association of Nurse Anesthetists Fall Meeting

2008

Perioperative Blood Transfusion, Does it have and Effect on Outcome, Texas Association of Nurse Anesthetists Fall Convention, September, 2008

DNP Forum, Texas Association of Nurse Anesthetists Fall Convention, September, 2008

Evidence-based Practice, What does it mean to me? Texas Association of Nurse Anesthetists Spring Meeting, September, 2008

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, Oklahoma Association of Nurse Anesthetists Spring Meeting, March, 2008.

Perioperative Care of the Bariatric Surgical Patient and Post-Bariatric Surgical Patient, Oklahoma Association of Nurse Anesthetists Spring Meeting, March, 2008

Perioperative Blood Transfusion, Does it have and Effect on Outcome, Oklahoma Association of Nurse Anesthetists Spring Meeting, March, 2008

Ketamine, a New Look at an Old Drug, North Dakota Association of Nurse Anesthetists Spring Meeting

Perioperative Hypertension, to treat or not to treat? North Dakota Association of Nurse Anesthetists Spring Meeting, April, 2008

Perioperative Care of the Bariatric Surgical Patient and Post-Bariatric Surgical Patient, South Dakota Association of Nurse Anesthetists Spring Meeting, May, 2008

Dexmedetomidine: Applications in Anesthesia, South Dakota Association of Nurse Anesthetists Spring Meeting, May, 2008

Case Review, You Be the Judge, South Dakota Association of Nurse Anesthetists Spring Meeting, May, 2008

2007

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, Detroit Mercy School of Nurse Anesthesia, Fall Seminar

Perioperative Blood Transfusion, Does it have and Effect on Outcome, Detroit Mercy School of Nurse Anesthesia, Fall Seminar

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, Texas Society of Respiratory Care Fall Meeting, Houston, Texas

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, Washington Association of Nurse Anesthetists Spring Meeting, Seattle, WA

Preoperative Assessment of the Severe Diabetic Washington Association of Nurse Anesthetists Spring Meeting, Seattle, WA

2006

Metabolic Syndrome, Diabetes and CV Risk, North Dakota Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, North Dakota Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Bariatric Surgical Patient and Post-Bariatric Surgical Patient, North Dakota Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Bariatric Surgical Patient and Post-Bariatric Surgical Patient, Texas Association of Nurse Anesthetists Fall Meeting

Simulator Hands-On Workshop, Texas Association of Nurse Anesthetists Fall Meeting.

Metabolic Syndrome, Diabetes and CV Risk, South Dakota Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, May 2006, South Dakota Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Anesthesia, March 2006, Texas Association of Nurse Anesthetists Spring Meeting

2005

Simulator Hands On Workshop, Texas Association of Nurse Anesthetists Fall Meeting

Introduction to Simulation, Texas Association of Nurse Anesthetists Fall Meeting

Case Review You Be the Judge, Oregon Association of Nurse Anesthetists Spring Meeting

Metabolic Syndrome, Diabetes and CV Risk, Oregon Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Oregon Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Oklahoma Association of Nurse Anesthetists Spring Meeting

Childhood Obesity, Oklahoma Association of Nurse Anesthetists Spring Meeting

Metabolic Syndrome, Diabetes and CV Risk, Oklahoma Association of Nurse Anesthetists Spring Meeting

Metabolic Syndrome, Diabetes and CV Risk, Texas Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery and Pathophysiology of Obesity, Texas Association of Nurse Anesthetists Spring Meeting

Obesity and Anesthesia, An Expanding Problem for the Anesthetist

Texas Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery and Pathophysiology of Obesity, Arizona Association of Nurse Anesthetists Spring Meeting

2004

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery and Pathophysiology of Obesity, North Dakota Association of Nurse Anesthetists Fall Meeting

Metabolic Syndrome, Diabetes and CV Risk, North Dakota Association of Nurse Anesthetists Fall Meeting

Difficult Airway, North Dakota Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery and Pathophysiology of Obesity, Maryland Association of Nurse Anesthetists

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Detroit Mercy Graduate Program in Nurse Anesthesia Program Fall Meeting

Central Line Insertion Breakout, Texas Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Idaho Association of Nurse Anesthetists Fall Meeting

Serotonin Agonists and Antagonists, Idaho Association of Nurse Anesthetists Fall Meeting

Case Review, You Be the Judge, Idaho Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Louisiana Association of Nurse Anesthetists Fall Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Texas Association of Nurse Anesthetists Spring Meeting

Herbal Medicines and Anesthesia, Texas Association of Nurse Anesthetists Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, West Virginia Association of Nurse Anesthetists Spring Meeting

Diabetes and Perioperative CV Risk, West Virginia Association of Nurse Anesthetists, Spring Meeting

Perioperative Care of the Morbidly Obese Patient Undergoing Bariatric Surgery, Arizona Association of Nurse Anesthetists, Spring Meeting

Diabetes and Perioperative CV Risk, Arizona Association of Nurse Anesthetists, Spring Meeting

2003

Obesity and Anesthesia, An Expanding Problem for the Anesthetist, California Association of Nurse Anesthetists Spring Meeting

Bariatric Surgery, Texas Medical Audit Association, Houston, Texas

Case Studies in Anesthesia... You be the Judge, Texas Association of Nurse Anesthetists Fall Meeting

2001- 2009 Harris County Hospital District Lectures

ACLS Courses (Quarterly)

Nonpharmacological Management of Pain, Harris County Hospital District National Pain Awareness Week

Nursing Grand Rounds: Perioperative Care of the Bariatric Surgery Patient, Harris County Hospital District Ben Taub General Hospital

1991 – 1995

Parkland Memorial Hospital Lectures

AACN Review for CCRN: Pulmonary Content,
Peak Inspiratory Pressure and Plateau Pressure Assessment in Mechanical Ventilation,
Mechanical Ventilation Break-out Session: Hands-on Overview of the Puritan-Bennett, Bear, and Servo Ventilators
Cardiac Output Techniques and Physiology
Central Venous Pressure Monitoring,
Basics of ECG Analysis, Atrial Dysrhythmias
Basics of ECG Analysis, ECG Strip Analysis, Gastric Tonometry
Oxygen Delivery and Consumption: Analysis and Physiology
Renal Trauma
Assessment and Care of a Ventriculostomy
Volume versus Pressure in Hemodynamic Monitoring
Anatomy and Physiology of Intra-aortic Balloon Counterpulsation
Intra-aortic Balloon Counterpulsation: Waveform Analysis
Intra-aortic Balloon Counterpulsation: Timing of Inflation and Deflation
Anatomy and Physiology of the Epidural Space
Epidural Catheter Assessment and Management,
Advanced Cardiac Life Support, Supraventricular Dysrhythmias
Advanced Cardiac Life Support, Pulseless Electrical Activity
Advanced Cardiac Life Support, Asystole

Special Projects

North Dakota Regional Simulation Task Force 2017 - present

TCU Nurse Anesthesia Simulation Lab Building Projects 2014 – 2016

TCU DNP Handbook Update, Annually since 2012

Simulation Saturday Continuing Education, TCU, 2013 - present

Harvard Center for Medical Simulation Instructor Debriefing Course 2011

High Fidelity Simulation Continuing Education Coordinator for AANA Annual Meeting 2009

Project Manager: Integrating Competency in Simulation into Graduate Program in Nurse Anesthesia Curriculum Spring 2007

AANA Simulation Summit (Jim Walker-chair)

Medical Education Technologies Inc (METI) Adjunct Faculty in Human Patient Simulation, 2003 to present

SAFE Campaign Fund Raising Effort, Sponsored by the Texas Association of Nurse Anesthetists, February 2004

Coordinated National Nurse Anesthetist Week Celebration, as a part of the Texas Association of Nurse Anesthetists, January 2004

Mentor Student Speakers for the Texas Association of Nurse Anesthetists Fall Meeting Fall 2003, Spring Meeting 2004

Baylor College of Medicine Graduate Program in Nurse Anesthesia Self Study preparation, March 2003 to August 2003

Created Physics Syllabus, "Physics in Anesthesia, Applications and Clinical Relevance" for Baylor College of Medicine Graduate Program in Nurse Anesthesia, July 2002, 2003, 2004, 2006

Completed AANA-sponsored Item-Writing Workshop, 2002

Spring Fling for Texas Gulf Coast Area Association of Nurse Anesthetists, May 2001

GPNA Brochure 2001

Moderated Applied Physiological Perspectives Sessions for the Physiology Course for the BCM Allied Health Program, 2001-2002

Moderated focus groups for the Allied Health Physiology Course, 2001-2002

FIPSE Grant Participation, 2001

Difficult Airway Hands on Conference GPNA Program, Fall 2000, 2001, 2002, 2003,2004, 2005, 2006

References Available on Request