

Curriculum Vitae

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www.burnanesthesiaresources.com



CURRENT:

2015 to Present:

Burn Anesthesia Resources, LLC
Burn Anesthesia Education Services
Burn Anesthesia Delivery Consultation Services
Experienced Expert Witness

April 2003 to Present:

Lehigh Valley Anesthesia Services, P.C.
Lehigh Valley Health Network
Level One Trauma Center
Allentown, PA
Certified Registered Nurse Anesthetist

NURSE ANETHEISA (CRNA) STATE LICENSURE:

California 2014
Arkansas 2013
Arizona 2012
Texas 2011
Florida 1989
Pennsylvania 1985
New Jersey 1984

CERTIFICATIONS:

2010 to Present:

Advanced Burn Life Support Provider (ABLS)

2003 to Present:

The National Board on Certification and Recertification of Nurse Anesthetists

1994 to 2002:

Adult Critical Care Nursing (CCRN)

1990 to Present:

Advanced Cardiac Life Support Instructor (ACLS)

1990 to 2002:

Certification for: Intra-Aortic Balloon Pump Operation

CERTIFICATIONS:

1990 to 1996:

Certification for Removal of Temporary Atrial & Ventricular Pacing Wires

1990 to 1996:

Certification for Removal of Femoral Sheaths (Arterial & Venous)

1984 to Present:

Basic Life Support Provider (BLS)

EDUCATION:

September 2000 to January 2003

Temple University

Philadelphia, PA

Master of Science in Nursing

September 2000 to November 2002

Pennsylvania Hospital School of Nurse Anesthesia

Philadelphia, PA

Certified Registered Nurse Anesthetist

September 1993 to January 1999

Gwynedd-Mercy University

Gwynedd Valley, PA

Bachelor of Science in Nursing

September 1982 to June 1984

Ocean County College

Toms River, NJ

Associate of Science Degree in Nursing

PAST PROFESSIONAL EXPERIENCE:

November 2011 to November 2015

Reading Hospital

Reading, PA

Certified Registered Nurse Anesthetist

March 1996 to April 2003

Medical College of Philadelphia

Philadelphia, PA

22 Bed Medical/Surgical/Cardiothoracic Level 1 Trauma Intensive Care Unit.

24 Bed Level 1 Trauma Emergency Room.

Charge and Preceptor

Critical Care Registered Nurse

PAST PROFESSIONAL EXPERIENCE:

November 1991 to March 1996

University of Pennsylvania Health System
Presbyterian Medical Center
Philadelphia, PA
14 Bed Medical/Surgical/Cardiothoracic Intensive Care Unit
Acute Hemodialysis Unit
Charge, Preceptor, Scheduling Committee
Critical Care Registered Nursing

January 1995 to June 1995

Hahnemann Hospital
Philadelphia, PA
22 Bed Cardiothoracic Intensive Care Unit
Critical Care Registered Nurse

August 1989 to September 1991

Nurse finders of Port Charlotte
Port Charlotte, FL
Assigned to Area Intensive Care Units:
Port Charlotte Hospital, Punta Gorda Hospital,
Englewood Hospital, Arcadia Hospital
Critical Care Registered Nurse

November 1985 to May 1989

University of Pennsylvania Health System
Presbyterian Medical Center
14 Bed Medical/Surgical/Cardiothoracic Intensive
Care Unit Critical Care Registered Nurse

June 1984 to November 1985

Medical Center of Ocean County
Point Pleasant Division
23 Bed Medical/Surgical Step-Down Unit
Critical Care Registered Nursing

TEACHING EXPERIENCE:

Shared Faculty for Nurse Anesthesia Programs (Burn Anesthesia Curriculum Instruction):

- a) 2020 To Present:
Drexel University School of Nurse, Anesthesia, Philadelphia, PA
- b) 2016 To Present:
Wake Forest University School of Nurse Anesthesia, Winston-Salem, NC
- c) 2015 To Present:
University of Pennsylvania, School of Nurse Anesthesia, Philadelphia, PA

Shared Faculty for Nurse Anesthesia Program (Core Curriculum Instruction):

- d) 2019 To Present:
Cedar Crest College School of Nurse Anesthesia, Allentown, PA

Clinical Instructor for Student Nurse Anesthetists (Within the Clinical Operating Room and Simulation Laboratory Settings):

- e) 2009 to Present:
Lehigh Valley Hospital Health Network, Allentown, PA

INVITED PRESENTATIONS:

Northwest Anesthesia Seminars; Topic in Anesthesia, Live Webinar, June 1 - 4, 2021

- *“Burn Anesthesia: Review of Basics and a Case of a Self-Immolation”*
- *“Burn Anesthesia Techniques You May Never See: Outpatient Laser Therapy, Multimodal, Audio-Visual Distraction Strategies, and Procedures Outside of the OR”*
- *“Synthetic “Newest Designer” Drugs and the Anesthetic Implications”*
- *“The Opioid Crisis and the Best Practice for the Patients on Methadone and Suboxone”*
- *“Anesthesia for Neuromuscular and Genetic Disorders”*
- *“Let’s Discuss Vasogenic Shock and Physiology”*

Northwest Anesthesia Seminars; Topic in Anesthesia, Live Webinar, May 25 – 28, 2021

- *“Anesthesia for the Burn Patient: A Review of Basic Pathophysiological Change, Plus Anesthetic Techniques From Admission Through Discharge for Both In and Out Patients”*
- *Ketamine and Gabapentin: Their Past and Present Places in Our Anesthesia Armory”*
- *Opioid and Non-Opioid: Alone and Together, A Pharmacological Review”*

INVITED PRESENTATIONS:

Northwest Anesthesia Seminars; Topic in Anesthesia, Live Webinar, May 15 – 16, 2021

- *“Anesthesia for the Burn Patient: A Review of Basic Pathophysiological Changes”*
- *“Burn Anesthesia Techniques You May Never See”*
- *Complementary and Alternative Mediations: The Unique Problems They Present”*
- *Ketamine and Gabapentin: Their Past and Present Places in Our Anesthesia Armory”*

Northwest Anesthesia Seminars; Topic in Anesthesia, Live Webinar, April 17 – 18, 2021

- *“Anesthesia for the Burn Patient: A Review of Basic Pathophysiological Changes”*
- *“Burn Anesthesia Techniques You May Never See”*
- *Complementary and Alternative Mediations: The Unique Problems They Present”*
- *Ketamine and Gabapentin: Their Past and Present Places in Our Anesthesia Armory”*
- *Opioid and Non-Opioid: Alone and Together, A Pharmacological Review”*

Northwest Anesthesia Seminars; Anesthesia Update; Vail, Colorado; March 8 - 12, 2021

- *“Burn Anesthesia: Review of Basics and a Case Study of a Self-Immolation”*
- *“Burn Anesthesia Techniques You May Never See: Outpatient Laser Therapy, Multimodal, Audio-Visual Distraction Strategies, and Procedures Outside of the OR”*
- *“Complementary and Alternative Medications: The Unique Problems They Represent”*
- *“Ketamine and Gabapentin: Their Past and Present Places in Our Anesthesia Armory”*
- *Synthetic “Newest Designer” Drugs and the Anesthetic Implications”*
- *“The Opioid Crisis and the Best Practice for the Patients on Methadone and Suboxone”*

Northwest Anesthesia Seminars; Anesthesia Update Pharmacology Live Webinar, February 20 – 21, 2021

- *“Complementary and Alternative Medications: The Unique Problems They Represent”*
- *“The Opioid Crisis and the Best Practice for the Patients on Methadone and Suboxone”*
- *“Synthetic “Newest Designer” Drugs and the Anesthetic Implications”*

INVITED PRESENTATIONS:

Northwest Anesthesia Seminars; Anesthesia Update; Kona, Hawaii; March 2 – 5, 2020

- *“Anesthesia for the Burn Patient: A Review of Basics and the Pathophysiological Changes”*
- *“Burn Anesthesia Techniques You May Never See: Outpatient Laser Therapy, Multimodal Anesthesia, Audio-Visual Distraction Strategies, and Procedures Outside of the OR”*
- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthesia Armory”*
- *“Recreational Drug Use: A Review of the Old, the Latest Synthetic “Designer” Drugs and the Anesthetic Implications, Plus, a Case Study: You Decide, “Did He Really Do It?””*
- *“Substance Abuse and the Medication Assisted Treatment (MAT) Patient: New Drugs and New Anesthetic Challenges”*
- *“A CPC Based Pharmacological Review of Vasoactive and Inotropic Medications”*
- *“The Airway: A Review of the Normal, the Abnormal and the Difficult Airway Algorithm, Pertaining to Clinical Practices and Legal Perspectives”*
- *“Complementary and Alternative Medications: The Unique Problems They Represent”*

Northwest Anesthesia Seminars; Topics in Anesthesia: Emphasis on Regional the Ritz Carlton, Sarasota, Florida; January 30 – February 2, 2020

- *“Anesthesia for the Burn Patient: A Review of Basics and the Pathophysiological Changes”*
- *“Burn Anesthesia Techniques You May Never See: Outpatient Laser Therapy: Multimodal Anesthesia, Audio-Visual Distraction Strategies, and Procedures Outside of the OR”*
- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthetic Armory, followed by a Case Study: A Uniquely Tailored Anesthetic with Ketamine and Gabapentin for a Methadone Maintained Patient”*
- *“Recreational Drug Use: A Review of the Old, the Latest Synthetic “Designer” Drugs and the Anesthetic Implications, plus a Case Study: You Decide “Did He Really Do It?””*
- *“A CPC-Cased Pharmacological Review of Vasoactive and Inotropic Medications”*
- *“Complementary and Alternative Medications: The Unique Problems They Represent”*

Coast to Coast Anesthesia Seminars: Clearwater Beach, FLA. March 17 – 20, 2019

- *“Anesthesia for the Burn Patient: A Review”*
- *“Burn Anesthesia Techniques You May Never See”*
- *“The Opioid Epidemic and Best Practices for the Patients on Methadone & Suboxone.”*
- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthetic Amory.”*

INVITED PRESENTATIONS:

PAPAN Pride State Nursing Conference, The Crowne Plaza, King of Prussia October 6, 2019

- *“Caring for the Burn Patient in the PACU”*
- *“Sugammadex and Precedex: A Review for the PACU Provider”*

Encore Symposiums: La Playa Resort & Spa; Sun & Sand: A Crosswalk to the CPC Exam; Naples, FLA March 3-4, 2018

- *“Applied Pharmacology: Evidence-Based Anesthetic Considerations for Antihypertensives, Diuretics, Beta Blockers, & Bronchodilators”*
- *“Applied Pharmacology: Evidence-Based Anesthetic Considerations for Vasoactive & Inotropic Medications, Opioid & Non-Opioid Pain Medications”*
- *“Applied Pharmacology: Evidence-Based Practice Implications for Inhalational Agents & Induction Medications”*
- *“Applied Pharmacology: Evidence-Based Practice Implications for Anesthetic Muscle Relaxants, Neuromuscular Reversal Agents, Anticholinergic and Local Medications”*

Encore Symposiums: NBCRNA / CPC Core Module Relevancy Lectures; Pelican Grand Beach Resort Fort Lauderdale, FLA; March 19-22, 2018

- *“The Opioid Epidemic and Best Practices for the Patient on Methadone.”*
- *“Burn Anesthesia: A Review with Something for all Levels of Providers.”*
- *“Anesthetic Management of Neuromuscular and Genetic Disorders.”*
- *“Alternative and Complimentary Medications: The Unique Problems They Represent”*
- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthesia Armory.”*

Merck Clinical Review, York, PA; 2017

- *“Sugammadex: Clinical Considerations”*

Nebraska Association of Nurse Anesthetists annual state meeting, Lincoln, Nebraska; 2017

- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthetic Armory”*
- *“Burn Anesthesia: A Basic Review Plus Anesthetic Techniques from Admission through Discharge for Both In & Outpatients”*
- *“Clinical Vignettes: Three Burn Case Studies & An Ongoing Burn Research Study”*

INVITED PRESENTATIONS:

Pennsylvania Association of Nurse Anesthetists Spring Meeting, Hershey, PA; 2017

- *“Burn Anesthesia: Review of the Basics & A Case Study: A Self Immolation”*

Merck Clinical Review, Wayne, PA; 2017

- *“Sugammadex: Clinical Consideration”*

Session Moderator ABA annual national meeting; 2017

- *“Pre-operative Teaching - Nuances and Techniques”*

Merck Clinical Review, Ambler, PA; 2016

- *“Sugammadex: Clinical Considerations”*

American Burn Association Annual meeting, Las Vegas, NV; 2016

- *“Star’s Case Study: A Unique Airway and its Management”*
- *“Ketamine and Gabapentin: Their Past and Present Places in our Anesthesia Armory”*
- *“Anesthesia for the Burn Patient: 1) A Review of Basic Pathophysiological Change
2) Current Methods of Anesthetic Management from Initial Injury, Through the Operating Room and after Discharge”*

American Society of Peri Anesthesia Nurses; Pennsylvania annual meeting; Lehigh Valley Health Network, Allentown, PA; 2015

- *“Burn Anesthesia: Cases and Concerns”*

Texas Association of Nurse Anesthetists annual state meeting, Plano Texas; 2015

- *“Desomorphine: An Old Drug Reappears”*

American Burn Association annual meeting, Chicago, IL; 2015

- *“A Case Study: Desomorphine (Permonid)”*

Lehigh Valley Anesthesia Services 5th annual Winter Retreat Conference, Macungie, PA. January 24; 2015

- *“Burn Anesthesia: A Unique Specialty”*
- *“Desomorphine: A Case Study”*

INVITED PRESENTATIONS:

Northwestern Anesthesia Seminars, Hershey, PA; August 22; 2014

- *“Burn Basics to Advanced - Trade Secrets”*

4TH Annual Update in Clinical Anesthesia, Mount Airy Lodge, PA; 2013

- *“Burns: A Hot Topic”*

Lehigh Valley Anesthesia Services Staff; 2009

- *“Update on the Various AICD Manufacturers Reprogramming Requirements after Intraoperative Magnet Use”*

Lehigh Valley Health Network Operating Room Staff; 2008

- *“Understanding Stage 2 of Anesthesia”*

PROTOCOLS AND QUALITY IMPROVEMENT:

2016 to Present:

Co-Developed Lehigh Valley Anesthesia Services Enteral Tube Feeding Protocol for all intubated burn patients scheduled for surgery. This protocol was instituted in August 2014 and currently being practiced within LVHN’s 18 bed verified burn unit. It has eliminated the NPO time for all patients with post pyloric feeding tubes and decreased the OGT/NGT NPO time from eight hours to four hours in all intubated patients.

2016 to Present:

Developed a preoperative checklist specific for the burn ICU. Currently in use and has proven to prevent preoperative delays and complications.

2015 to Present:

Developed a regional anesthetic protocol: peripheral extremity continual infusion catheter program for burn inpatients. Purpose: to improve pain management and physical therapy outcomes.

2015 to Present:

Organized quarterly burn team meetings to improve operating room performance and patient delivery of care; Attending: burn surgeons, anesthesia, operating room director, burn operating room staff and transport/technical partner team member.

PROTOCOLS AND QUALITY IMPROVEMENT:

2015 to Present:

Designed and implemented: Pre, Intra and Postoperative warming protocol for burn patients
Pre-operative and Pre-induction audiovisual distraction technique for burn patients.

2013 to Present:

Organized and facilitated anesthesia delivery setup for outpatient burn laser treatment program. In addition, coordinated with burn ICU nurse manager the hiring of experienced RN's for safe and expedient recovery of these outpatients through phase 1 and 2 recovery for discharge to home.

2013 to Present:

Developed current in use method of ensuring every anesthesia provider is familiar with returning patients previous anesthetic and specific psychosocial needs so each subsequent treatment is smooth and customized for patient and family. (Includes operating laser therapy room, bedside and tub room treatments.

2013 to Present:

Organized and coordinated anesthesia attendance and participation in weekly Thursday Burn ICU multi-disciplinary grand rounds within burn department. Target: LVHN's 18 bed verified burn unit and the designated burn operating room, Room M.

2010

Developed and co-chaired the Lehigh Valley Anesthesia Services (LVAS) pediatric committee

PROFESSIONAL ACTIVITIES:

2015

Coordinated the Lehigh Valley Health Network Burn Team Ice Bucket Challenge at Lehigh Valley Health Network Helicopter Landing Pad
Below is the link to the video for this project:

<https://www.youtube.com/watch?v=uGYZJVdRFRs&t=1s>

2013 to 2015

Developed, organized and co-chaired the LVAS Annual Anesthesia Board Review Course for student nurse anesthetists at Lehigh Valley Health Network Cedar Crest site.

2011 to 2019

Co-chaired of Lehigh Valley Anesthesia Services Educational Committee

2011 to 2019

Co-chair of Lehigh Valley Anesthesia Services Conference Committee

2011 to 2019

Developed and co-chaired the LVAS Winter Anesthesia Retreat January Bear Creek Mountain Resort, Macungie, Pa.
Target audience: Physicians, CRNAs and RN's
Recognized by the American Association of Nurse Anesthetists (AANA) Recognized by the American Burn Association (ABA)
Recognized by the American Medical Association (AMA)
Recognized by the Pennsylvania State Nurses Association (PSNA)

RESEARCH:

2020 to Present:

Audio Visual Distraction Technique for the burn patient. Data collection will analyze decreased patient and hospital costs, increased patient satisfaction, less benzodiazepine use, decreased NPO time and decreased or omitted need for recovery room time. IRB approval pending.

2016 to Present

Currently coordinating the creation of an approved healing garden within LVHN's Cedar Crest complex specifically for burn patients. An open area outside but visible from the burn ICU and accessible for inpatients and families will be in a Japanese garden theme. The plan: the bordering wall hand will be hand painted by six mural artists, include an outdoor sound system, a gazebo, park benches and shading for patients and families to rest and relax together. As of February 2020: Funding of \$117,000 is approved. Tentative start date: Spring/Summer 2020.

2012 to Present:

In 2012, six area mural artists were commissioned to hand paint our operating room utilized specifically for burn patients. A forest theme with animals indigenous to PA was chosen for all four walls and even the ceiling. Over a two-year period \$8,600 was raised to complete this project, which was carried out for four 16- hour days Memorial Day weekend 2014. (Friday through Monday). This one of a kind room allows our patients watch movies on a giant television screen on the wall up to induction. Currently this room is part of a several research studies to further improve patient care.

https://www.lehighvalleylive.com/lehigh-county/2014/06/massive_mural_soothes_burn_pat.html

HONORS AND AWARDS:

2004:

Friends of Nursing Award: Lehigh Valley Health
Network Alpha

1995:

Sigma Lambda: Theta Sigma: Gwynedd-Mercy
University

1983:

Jacqueline S. Bauer Memorial Scholarship: Ocean County
College

PROFESSIONAL ASSOCIATIONS:

2016 to Present:

International Society for Burn Injuries

2006 to Present:

American Burn Association

PROFESSIONAL ASSOCIATIONS:

2003 to Present:

American Association of Nurse
Anesthetists

2003 to Present:

Pennsylvania Association of Nurse
Anesthetists

BUSINESS MODEL AND WEB PAGE ADDRESS:

Burn Anesthesia Resources LLC

Goal:

- 1) To improve the delivery and understanding of burn anesthesia care.
- 2) Provide instructional lectures and clinical demonstration:
 - a) As a basic review and/or as an in-depth curriculum for hospitals, outpatient centers, universities and anesthesia schools.
- 3) Consultation for unique burn anesthesia delivery system design.
 - a) Burn anesthesia delivery system will provide the complete anesthesia care model for the burn patient:
 - 1) Within the operating room
 - 2) The patient room
 - 3) The inpatient and/or outpatient burn laser suite.

<https://www.burnanesthesiareources.com>