

Terri Voepel-Lewis PhD, RN
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EDUCATION AND TRAINING

09/1976-06/1980 BS, Nursing, Michigan State University, East Lansing, MI
09/1983-05/1988 MS, Nursing, University of Michigan, Ann Arbor, MI
09/2010-12/2013 PhD, Nursing, University of Michigan, Ann Arbor, MI

CERTIFICATION AND LICENSURE

09/1980-03/2021 State of Michigan, Registered Nurse License

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

Current Academic Positions:

9/1/2018-Present Associate Professor with Tenure, School of Nursing, University of Michigan, Ann Arbor, MI
2014-Present Associate Research Scientist, Department of Anesthesiology, University of Michigan, Ann Arbor, MI

Past Academic Appointments

02/1995-08/2009 Research Coordinator, Department of Anesthesiology, University of Michigan
08/2009-07/2014 Research Area Specialist Lead, University of Michigan, Ann Arbor, MI

Administrative Appointment

01/1992-02/1995 Clinical Nurse Manager, Post Anesthesia Care Unit, University of Michigan, Ann Arbor, MI

Clinical Appointments

08/1980-05/1981 Staff Nurse, Neurosurgical Critical Care, University of Michigan Hospitals, Ann Arbor, MI
10/1981-04/1982 Staff Nurse, Surgical Critical Care Unit, Glen Frye Hospital, Hickory, NC
04/1982-03/1983 Staff Nurse, Neurosurgical Critical Care, Cleveland Clinic, Cleveland OH
06/1985-06/1988 Staff Nurse, Post-Anesthesia Recovery Unit, University of Michigan, Ann Arbor, MI
06/1985-01/1987 Staff Nurse, Extracorporeal Membrane Oxygenator Team, University of Michigan, Ann Arbor, MI
06/1988-01/1992 Clinical Nurse Specialist, Adolescent General Care and Pediatric Postoperative Care Unit, University of Michigan, Ann Arbor, MI
02/1995-2003 Nurse Member on the Acute Pain Service, C.S. Mott Children's Hospital, Ann Arbor, MI

RESEARCH INTERESTS

Prescription opioid risk understanding and analgesic use and misuse behaviors
Pediatric pain management decision-making
Pain assessment and outcomes in acute care setting
Patient safety, assessment and monitoring related to analgesic use
Perioperative outcomes and patient safety in the acute care setting

GRANTS

SUBMITTED GRANTS

R01DA052310 Voepel-Lewis, Terri PI	7/2021	60 Months
NIH-DHHS-20-PAF03967		\$1,950,000
The Symptom-Associated Pathway to Substance Use and Misuse during Adolescence		

CURRENT

UG3DA050173 Walton, Maureen, PI	09/2019	60 Months
NIH-DHHS-US-19-PAF05237		\$6,975,540
Optimized Interventions to Prevent Opioid Use Disorder among Adolescents and Young Adults in the Emergency Department Voepel-Lewis, Terri Diane, CO-I with Effort		

R01 DA044245 Voepel-Lewis, Terri Diane, PI	09/2017	34 Months
NIH-DHHS-US-17-PAF05949		\$1,611,157
Scenario-tailored opioid messaging program: an interactive intervention to prevent analgesic – related adverse drugs events in children and adolescents		

R01 DA044245 Voepel-Lewis, Terri Diane, PI	09/2017	34 Months
NIH-DHHS-US-17-PAF05949		\$494,446
Scenario-tailored opioid messaging program: an interactive intervention to prevent analgesic – related adverse drugs events in children and adolescents (Supplement to)		

R01 NR017096 Hassett, Afton, PI	05/2017	57 Months
NIH-DHHS-16-PAF07628		\$2,549,712
Resilience skills self-management for chronic pain Voepel-Lewis, Terri Diane, CO-I with Effort		

PAST GRANTS

R43 DA042645-01 Levine, Robert, PI	03/2017	11 Months
SubK-NIH-DHHS-US 16-PAF-03813		\$75,000
An interactive app to promote safe and effective use of opioids in young children postoperatively Voepel-Lewis, Terri Diane, Institutional PI		

R44-HL124872-03 Tait, Alan, PI	04/2016	23 Months
SubK- NIH- DHHS-US 16-PAF01128		\$403,969
Mixed reality Simulation Training for Pediatric Airway Management Procedures Voepel-Lewis, Terri Diane, Co-I with Effort		

R43 GM113376/GM/NIGMS, Levine, Robert, PI SubK-NIH-DHHS-US 17-PAF03704 Interactive anatomy-augmented virtual simulation training Voepel-Lewis, Terri Diane, Co-PI; Aebersold, Michael L, Co-PI	01/2017	2 Months \$20,000
FAER 2016 Medical Student Anesthesia Research Fellowship (MSARF) Foundation for Anesthesia Education Mashour, George A, PI Voepel-Lewis, Terri Diane Co-I without Effort	06/2016	12 months
FAER 2015 Student Anesthesia Research Fellowship (MSARF) Foundation for Anesthesia Education Mashour, George A Voepel-Lewis, Terri Diane Co-I without Effort	03/2015	12 months
FAER 2014 Medical Student Anesthesia Research Fellowship (MSARF) Foundation for Anesthesia Education Mashour, George A, PI Voepel-Lewis, Terri Diane Co-I without Effort	07/2014	12 months
R01HD053594 Tait, Alan R, PI NIH-DHHS-US-PAF Strategies to optimize communication of informed consent for pediatric research Voepel-Lewis, Terri Diane Co-I with effort	08/2007	60 months \$1,600,000
R03HD043920 (NICHD) Malviya, Shobha, PI NIH-DHHS-US-PAF Pain Assessment in Cognitively Impaired Children National Institute of Health Voepel-Lewis, Terri Diane Co-I with effort	01/2004	24 months \$153,000
Sigma Theta Tau International- 96-2853 Voepel-Lewis, Terri PI Evaluation of Simethicone in the Treatment of Postoperative Abdominal Distention in Infants	04/1996	12 months \$1,000

HONORS AND AWARDS

National Awards

1998	Mary Hannah Journalism Award for Scholarly Work, Journal of Peri-anesthesia Nursing
2013	Nominee, Proquest Distinguished Dissertation Award (Top 10%, Rackham, University of Michigan)
2018	Friends of the National Institute of Nursing Research 2018 Protégé Award

Regional Awards

1995	Sigma Theta Tau Research Award, Rho Chapter
1998	Sigma Theta Tau Research Award, Rho Chapter
2005	Blue Cross Blue Shield McDevitt Excellence in Research Award for Teams
2010	Rackham Non-Traditional Student Scholarship
2011	Blue Cross Blue Shield MI Foundation Student Award
2013	Blue Cross Blue Shield MI Foundation Excellence in Research, Honorable Mention

2013 Midwest Nursing Research Society Graduate Student Research Scholars' Award

Institutional Teaching Award

2013 University of Michigan Undergraduate Research Opportunities Program Mentor of the Year

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

1983-2013 Member, American Nurses Association
1990-present Member, American Society of Peri-Anesthesia Nurses
1994-2013 Member, Sigma Theta Tau International Nurses Honor Society
2010-2013 Member, Michigan Nurses Association
2010-2014 Member, Midwest Nursing Research Society
2013-present Member, International Association for the Study of Pain
2013-present Member, Society for Pediatric Anesthesia
2014-present Member, Society for Pediatric Pain Medicine

EDITORIAL POSITIONS, BOARDS, AND SERVICE

National Editorial Position

2012-2015 Content Editor, Drain's Peri-anesthesia Nursing Textbook
2014-2016 American Nurses Credentialing Center, Reviewer for Continuing Nurse Education Credit Programs related to Physiologic Monitoring (Pulse Oximetry and Capnography)

Editorial Board

2008-present Editorial Review Board, Journal of PeriAnesthesia Nursing
2015-present Columnist, Journal of PeriAnesthesia Nursing, "Tots to Teens", Pediatric focused column
2019-present Editorial Review Board, Pediatric Anesthesia

Journal Reviewer

1998-present Journal of PeriAnesthesia Nursing
2001-2008 Journal of Clinical Anesthesia
2001-present Pain Management Nursing
2007-present Anesthesia & Analgesia
2007-present- Pediatrics
2009-present American Journal of Critical Care
2010-present Developmental Medicine and Child Neurology
2011-present Pain
2011-present The journal of Pain
2012-present International Journal of Nursing Studies
2014-present Journal of Pediatric Orthopedic Surgery
2014-present The Pharmacogenomics Journal
2015 Acta Paediatrica
2015-present Journal of Adolescent Health
2016-present Pain Medicine
2016-present JAMA Pediatrics
2017-present Journal of Pediatric Psychology
2017 PlosOne
2018 Journal of Addictive Diseases

2018 Critical Care Nurses
2018 Pharmacoepidemiology and Drug Safety
2020 Acta Anaesthesiologica Scandinavica

Session Moderator

2010-2012 University of Michigan Health Systems/School of Nursing, Annual Nursing Poster Session, Judge and Session Moderator, Ann Arbor MI
2012-2014 Society for Pediatric Anesthesia Annual Meetings, Abstract Reviewer and Session Moderator, Tampa, Las Vegas, Ft. Lauderdale
2014 Midwest Anesthesia Residents' Conference, Session Moderator, Chicago IL
2020 Society for Pediatric Pain Medicine, Session Moderator, Nassau, Bahamas

External Scientific Review and Consultation

2011 Invited Delphi Study Reviewer, IWK Children's Hospital Foundation, Halifax, Nova Scotia, Canada
2015 Expert review and consultation for, "Toward a wireless postoperative pain diary and support system (MyPOP) for children and youth", Toronto Children's Hospital, Toronto, Ontario
2017 Expert review and consultation regarding pediatric pain assessment in protocol, Tusker Medical, Research Application to Food and Drug Administration (FDA)
2018 Expert presentation on Risks of Prescribed Opioid Use during Childhood and Adolescence, Food and Drug Administration (FDA) Advisory Panel on Anesthesia, Analgesia, and Addiction Products, Silver Springs MD
2019-2020 Special employee at the Food and Drug Administration (FDA); Pediatric Advisory Committee (PAC) and Drug Safety and Risk Management Advisory Committee
2021 Expert consultation to FDA-Duke Margolis Center for Public Policy Workshop on Opioid Disposal Risk Evaluation and Mitigation Strategies. Virtual meeting, June 28-29, 2021

COMMITTEE AND ADMINISTRATIVE SERVICES

National Committees

1991-1994 American Society PeriAnesthesia Research Committee, Member
2011-2019 National Wake-Up-Safe Quality Improvement Committee (AHRQ), Member
2014-2018 Society for Pediatric Anesthesia Committee on Postoperative Opioid Practice Recommendations for Children, Member
2018-2019 Nominations Committee Member, Society for Pediatric Pain Medicine
2018-present Needle Pain Taxonomy Committee Member, ACTION (Analgesic, Anesthetic, and Addiction Clinical Trial Translations, Innovations, Opportunities and Networks)
2018-2020 Awards Committee member, Friends of the National Institute on Nursing Research, Bethesda, MD

Institutional (University of Michigan) Committees

1989-1992 Pediatric Total Quality Improvement Committee, Member
1992-1993 Collective Bargaining, Nursing Administration, Representative

1992-1995 Co-chair Pediatric Sedation Committee
 2007-2012 Co-chair, Nursing Research Partnership Committee
 2009-2018 Anesthesiology Clinical Research Committee, Faculty Member
 2012-present Committee on UMHS Alarm Safety, Member
 2015-present Institutional Review Board-Medical School (IRB-MED), Member
 2018-2019 Faculty Inclusion Network (FIN), Faculty Member
 2018 Pain Management and Opioid Harm Reduction – Design Team Member
 2018-present UM Injury Prevention Center, Faculty Member
 2018-present Washtenaw Health Initiative (WHI) Opioid Project, Member
 2019 Chair, Committee on Admissions and Academic Standing, School of Nursing
 2020 Ad Hoc Committee, Vision, Mission and Values, School of Nursing
 2020-present Executive Committee, School of Nursing
 2020-2021 PhD Admissions Committee, School of Nursing
 2020-present Medical Affairs Advisory Committee, Michigan Medicine

TEACHING and MENTORSHIP ACTIVITY

Undergraduate Students

Faculty, University of Michigan Undergraduate Research Opportunities Program (UROP)

1998-2001 Phil Rubin, MD, Currently Assistant Professor, Yale School of Medicine, New Haven CT (See Bibliography Section, manuscript #43)
 2000-2001 Agneizka Trzcinka, MD (See Bibliography Section, manuscript #34)
 2004-2006 Jordan Fennema, MD Became Chief Resident, University of Michigan in 2014; Now Clinical Instructor, Department of Anesthesiology, University of Michigan
 2002-2005 Jennifer Hemberg, MD (See Bib, manuscript #s 97, 98); Jennifer is now Chief Resident in the Department of Pediatrics, University of Michigan
 2002-2005 Lauren Perlin, MD (See Bib, manuscript # 97)
 2008-2010 Elsa Pechlivanidis, BSN, RN (See Bib, manuscript #s 98, 99)
 2009-2010 Deepa Bhat, BS, Currently a Plastic Surgery Research Fellow at Johns Hopkins, Baltimore, MD
 2010-2012 Sarah Zyzanski, BS, Healthcare Research Fellow at the Advisory Board in Washington DC 2012-2014; Currently Medical Student Boston University
 2011-2014 Courtney Segman, BS; Teacher with Teach for America (2014-2016); Became a Policy and Advocacy Fellow with Leadership for Educational Equity (LEE) 2016; Legislative Fellow, Senator Tim Kaine, 2017
 2012-2013 Adam Eickmeyer, BS, MPH: Adam is now the Academic Director University of Michigan Health Sciences Scholars Program and Senior Researcher in the Michigan Medicine Pediatric Urology Department. Adam also completed a policy fellowship with the Gill Foundation in Washington D.C. in 2016
 2012-2016 Lamira Ray, BA, MPH, Johns Hopkins, Baltimore, MD
 2012-2016 Tara VanVeen, BS, Currently Medical Student, Wayne State University (See Bib, #s 127, 139)
 2012-2014 Tabitha Kalabat, BS, Currently in Dental School at the University of Michigan
 2014-2015 Aaron Bryon, BS, Currently, Medical Student, University of Michigan
 2014-2016 Reilly Philliben, BS, Currently Medical Student Michigan State University

2015-2018	Connor Knowles, BS, Currently Medical Student, Michigan State University
2016-2019	Emily Currier, BS, Medical Student Wayne State University
2016-2019	Trevor de Sibour, BS
2017-2019	Jacob Schwartz
2017-2020	Sarah Dwyer

Independent Study Students

Course Anesth 499-011

2016-2017	Caroline Hayman
2017-2018	Marianna Dorta
2017-2018	Jacqueline Meier

Course NURS 499-042

2019	Robert Cardwell
2020	Harrison Bromberg

Honors Students (Nursing and Health Sciences)

2014-2015	Frank Schymik, BSN (now MS, CRNA Grand Rapids, MI)
2015-2016	Reilly Philliben, BS (Currently Medical Student, MI State University)
2021-	Rachel Ahn, School of Nursing
2021-	Sieun Kim, School of Nursing

Pre-doctoral Students (Nursing and Health Sciences)

Thesis Committee and Mentorship

1996-1997	Michael Romej, CRNA Student (subsequently became CRNA at St. Joseph's, Ann Arbor)
2000-2002	Martha Willis, BSN, MSN, Master of Science Student, University of Michigan
2008-2009	Jennifer Zanotti, BSN, MS, Master of Science Student (Subsequently became a Clinical Nurse Specialist, Denver Children's Hospital)

Medical Students

2001	Phil Rubin, MD, Currently Assistant Professor, Yale School of Medicine, New Haven CT
2000-2001	Agneizka Trzcinka, MD
2014-2014	Megan Quinlan, summer biomedical research fellow (See Bib, manuscript #130)
2014-2015	Rebecca Bickham, Foundation for Education, Research (FAER) Research fellow
2015-2015	Adam Niemann, summer biomedical research fellow
2020	Connor Knowles, MSU student

Dissertation Committee Positions

2017-2018	Raja Issa, Enhancing Patient safety through Decreasing Non-Actionable Cardiac Telemetry Alarms and Alarm Fatigue, Doctorate of Nursing Practice (DNP), School of Nursing, University of Michigan (committee member)
2018-2019	Myrna Mamaril, MS, RN, Identifying Risk Factors for Perioperative Adverse Events in Children, Doctorate of Nursing Practice (DNP candidate), Johns Hopkins (committee member)
2018-2020	Clare Donohoe, BSN, PhD student School of Nursing, University of Michigan, Ann Arbor (committee member)

2019-present Rachel Lenko, MS, PhD student School of Nursing, University of Michigan, Ann Arbor (chair)

Postdoctoral Students

2014-2016 Christina Limke, PsyD, University of Michigan, Department of Psychology, (now a faculty member, DeVos Children's Hospital, Grand Rapids MI)
2017-2018 Emily Foxen-Craft, PsyD, University of Michigan, Department of Pediatrics, (faculty member University of Michigan, Ann Arbor)

TEACHING ACTIVITY

Guest Lecturer, University of Michigan Courses

University of Michigan College of Literature, Science and the Arts (LSA)

2016-present **Course ALA106** The opioid epidemic: A brief history of an iatrogenic disaster

University of Michigan School of Nursing Guest Lectures

Spring 2004 Behavioral Pain Assessment: Development and Validation of the FLACC Instrument

Fall 2007 **Course N452**: Best Practice: Merging Evidence, Experience, and Observation, for Pain Management

2010-2015 **Course N551** - Pediatric Pain Management: An evidence-informed approach to best practices

Faculty of Record, School of Nursing

Fall/Winter 2019/20 **Course N354** Nursing care of children and families

Fall/Winter 2020/21 **Course N371** Infant, child, adolescent health and illness

University of Michigan Medical School

2008-2018 Faculty and curriculum advisor, Intern Research Lecture Series, Department of Anesthesia

University of Michigan Health System/ Michigan Medicine

Fall 1993 Preparing children for the hospital experience, Craniofacial Program

Fall 1996 Conscious Sedation for Medical Procedures: The Nurses' Role

Winter 2003 FLACC Pain Assessment, Nursing Grand Rounds

Fall 2003 Pain assessment in adults and children who cannot self-report, Nursing Grand Rounds

Spring 2004 Agitation in the Pediatric PACU: Diagnoses and Treatment. Pediatric Post-Anesthesia Care Lecture Series

Spring 2005 Postoperative Agitation in Adults and Children, Nursing Grand Rounds

Fall 2008 Research utilization and evidence-based practice: from apples to applesauce, Post-Anesthesia Care Symposium

Winter 2013 Improving the Assessment and Treatment of Pain in Critical Care, Leaping Forward- Stitching Evidence into Practice Annual Critical Care Conference

Winter 2013 Pediatric Pain Management: An evidence-informed approach to best practices. Certified Registered Nurse Anesthetist (CRNA) Annual Lecture Series

Summer 2014 At-home analgesic use: What patients don't know can hurt them! National Nurses' Week Conference Series

Spring 2014 Improving the assessment and treatment of pain: The importance of analgesic trade-offs, Annual UM Nursing Leadership Conference

- Winter 2015 Pain Management Updates for Inpatient and Outpatient Settings, Cardiovascular Center
- Summer 2015 An Evidence Informed Approach to Improve Analgesic Safety. Pediatric Post-Anesthesia Care Lecture Series
- Summer 2015 Current Controversies in Management of Opioid Analgesics. National Nurses' Week Conference Series
- Fall 2015 Current Controversies in Management of Opioid Analgesics. Child and Adolescent Psychiatric Services
- Winter 2015 Providing Goal-Directed Risk Information: When is less or more just right? Patient Education Lecture Series
- Summer 2016 Policy and Pain Outcomes: The good, the bad, the ugly, National Nurses' Week Conference Series
- Winter 2017 Understanding and managing analgesic trade-offs: An evidence informed approach to improve analgesic safety, Certified Registered Nurse Anesthetist (CRNA) Annual Conference
- Summer 2017 Understanding and managing analgesic trade-offs: An evidence informed approach to improve analgesic safety
- Fall 2017 Pain and the opioid epidemic: Navigating the perfect storm, School of Nursing
- Winter 2018 Managing pain during the opioid crisis: Time for nursing leadership, Annual Nursing Leadership Conference
- Summer 2018 Pain management 2020: The times they are changing, National Nurses' Week Conference Series
- Winter 2019 Pain management during the opioid crisis: A time for nursing leadership, Certified Registered Nurse Anesthetist (CRNA) Annual Conference
- Summer 2019 Intervening to mitigate prescription opioid risks to children and adolescents (Pain Short Course)

VISITING PROFESSORSHIPS AND EXTRAMURAL INVITED PRESENTATIONS

Extramural Invited Lectures

1. Pain in Children, Northern MI Perinatal Network, October 1990, Petoskey, MI
2. Research for the PACU Nurse, Regional Michigan Association of Peri-Anesthesia Nurses Conference, Traverse City, MI 1991
3. Pain in Children, Annual Pediatric Nursing Conference, Wayne State University and University of Michigan Ann Arbor, MI 1991
4. Conquering Pain in the Critically Ill, University of Michigan and Wayne State University Annual Pain Conference, Ann Arbor, MI 1992
5. Pediatric Pain Management in the Emergency Department, Annual Survival Flight Symposium, University of Michigan, Ann Arbor, MI 1992
6. Pain in Acutely Ill Children, Southeastern MI Pediatric Critical Care Review Course, Children's Hospital of Michigan, Detroit, MI 1992
7. Sedation of Children for Medical Procedures, MI Association of Pediatric Oncology Nurses' District Meeting, Ann Arbor, MI 1992
8. Preoperative and Discharge Education for Pediatric Patients and their Families, Pediatric Surgery Continuing Education Conference, Catherine McCauley Health System, Ann Arbor, MI 1993
9. Selection of Research Design and Identification of Methods, American Society of Post

Anesthesia Nursing National Conference, Chicago, IL 1994

10. When Procedures Cause Pain, University of Michigan and Wayne State University School of Medicine Annual Pain Conference, Ann Arbor, MI 1994
11. Pain Assessment and Management in Pediatric Patients, Madonna University, Livonia, MI 1995
12. Clinical Research for the PACU Nurse, Regional Michigan Association of PeriAnesthesia Nurse Conference, MI 1996
13. Practical Applications: Clinical Study of Hypoxia, Agitation, and Post-Operative Pain in PACU, University of Michigan and Wayne State University School of Medicine Annual Pain Conference, Detroit MI 1997
14. Research for the Pain Practitioner, Children's Hospital Detroit Medical Center, Detroit, MI 2001
15. Current Best Practices in Pain Assessment and Management in Pediatric and Adolescent Patients, Munson Medical Center's Excellent in Nursing Series, Traverse City, MI 2002
16. Assessment of Discharge Readiness Following Sedation in Children, Society of Pediatric Anesthesiologists Annual Meeting, Ft. Meyers, FL 2003
17. Advancing a Safety Culture in the Care of Sedated Children: Nursing Issues, 1st International Multidisciplinary Conference on Pediatric Sedation, Denver, CO 2004
18. Enhancing the Safety of Sedated Children - Panelist, 1st International Multidisciplinary Conference on Pediatric Sedation, Denver, CO 2004
19. The Principles and Practice of Pain Assessment for the Perioperative Patient, 5th Annual Anesthesia Symposium, William Beaumont Hospital, Royal Oak, MI 2005
20. Pain, Sedation & Paralytics, The 16th Annual Southeastern ECMO Conference, Ann Arbor, MI 2006
21. My patient is agitated: What now? 6th Annual Anesthesia Symposium, William Beaumont Hospital, Royal Oak, MI 2006
22. Postoperative agitation in children, University Hospital of Bern, Bern, Switzerland 2008
23. Evidence-Based Pain Outcomes, National Nursing Practice Network Conference, Iowa City, IA 2009
24. Pain Assessment in Clinical Contexts: State of the Science, Pain Assessment, Pain and Disability Across the Lifespan Conference, St. Paul, MN 2009
25. Pain Management: An evidence informed approach to decision making, Evidence Based Practice Conference, Veteran's Administration, Trinity Health Services and University of Michigan, Ann Arbor, MI 2011
26. Pain Management: An evidence informed approach to decision making, Covenant Healthcare System, Saginaw, MI 2011
27. Standardization of Patient Monitoring during Procedural Sedation, Society of Pediatric Sedation Annual Conference, Cleveland, OH 2012
28. Self-report of Pain - the Gold Standard on Which Decisions Should be Made (Pro-Con Debate), 9th International Symposium on Pediatric Pain, Stockholm, Sweden 2013
29. Evidence-informed practice: Merging research, experience, and observation, Michigan Certified Nurse Anesthetist's Annual Conference, Traverse City, MI 2014
30. Understanding and managing analgesic trade-offs: An evidence -informed approach to improve analgesic safety, Michigan Certified Nurse Anesthetist's Annual Conference, Traverse City, MI 2014
31. Monitoring during analgesic delivery in children, Society for Pediatric Pain Medicine

Annual Meeting, Phoenix, AZ 2014

32. Self-report measures of pain in children: How well do they work, and how should we be using them? Perspectives from Canada, Spain, and the United States, International Association of Pediatric Pain, Seattle, WA 2015
33. Evidence-based practice in anesthesia, Society for Pediatric Anesthesia, Colorado Springs, CO 2016
34. Current controversies in management of opioid analgesics, Mid-Michigan Health Nursing Symposium, Mt. Pleasant, MI 2016
35. Chronic Non-Cancer Pain: Back to Basics, Mid-Michigan Health, Pain Symposium, Midland, MI 2017
36. Assessment beyond the pain scale: Enhancing observation to better recognize pain in children with cognitive impairment, Society for Pediatric Pain Medicine, Austin, TX 2017
37. Pain assessment in ambulatory care -Time to repeal and replace the pain score, Michigan Care Management Resource Center, Ann Arbor, MI 2017
38. Chronic non-cancer pain: Back to basics, Mid-Michigan Health, Midland, MI 2017
39. Pain assessment: More than a number, Mid-Michigan Health, Midland, MI 2017
40. Pediatric pain, prescribing and the opioid crisis, Michigan Chapter of the American Academy of Pediatrics (MIAAP) Annual Conference, 2017
41. Pain Management in the Era of the Opioid Epidemic: What now? Society of Urologic Nurses and Associates (SUNA), Chicago, IL 2017
42. Managing pain during the opioid epidemic: An opportunity for nursing leadership. Beaumont Hospital, Livonia MI, 2018
43. Consequences of the Opioid epidemic for Youth and their Families. Pediatric Nursing Care Conference, Ann Arbor, MI 2018
44. How risky is opioid pain management during adolescence? Persistent use, misuse and abuse, Food and Drug Administration (FDA) Opioid Sparing Advisory Committee, Silver Springs, MD, 2018
45. Opioids and youth: Prescribing trends, adverse outcomes, and parental decision making, 40th Annual Meeting and Scientific Sessions Society of Behavioral Medicine Meeting & Scientific Summit, Washington DC, 2019
46. Mitigating the Risks of Prescription Opioids for Children & Adolescents, Society for Pediatric Pain Medicine, Nassau, Bahamas, 2020
47. Pain, Opioids, and a Pandemic: Transforming care during crises. Michigan League for Nursing: Taking the Lead Virtually-Leadership Education Series, April 2021

National Courses

1. Faculty: 9th-11th Annual Pediatric Pain Master Class, Children's Institute for Pain and Palliative Care, Minneapolis, MN 2016-2019

Seminars

1. Advancing the safety of sedated patients with improved assessment, The 9th Practical Updates in Anesthesiology, University of Michigan, Puerto Vallarta, Mexico 2006
2. My patient is agitated... What's up with that? The 9th Practical Updates in Anesthesiology, University of Michigan Medical School, Puerto Vallarta, Mexico 2006
3. Pain assessment in ambulatory care: Time to repeal and replace the pain score?

Michigan Care Management Resource Outreach, Ann Arbor, MI 2017

4. Scenario-tailored messages to improve parents' understanding of opioid risks: Shifting perceptions and knowledge for better decision making, Center for Bioethics, and Social Sciences in Medicine, Ann Arbor, MI 2018
5. Prescription opioid risk in youth. Detroit Wayne Opioid Learning Series, A learning community to advance institutional responsiveness to the opioid crisis in Detroit and Wayne County, Detroit MI, 2018

BIBLIOGRAPHY (Scopus H-Index 43; July 2019)

Mentees and students are underlined

Peer-Reviewed Journals and Publications

1. **Voepel-Lewis T**, Starr A, Ketefian S, White MJ. Stress, coping, and quality of life in family members of kidney transplant recipients. ANNA J 1990;17(6):427-431. PM2256723
2. White MJ, Ketefian S, Starr AJ, **Voepel-Lewis T**. Stress, coping, and quality of life in adult kidney transplant recipients. ANNA J 1990;17(6):421-424. PM 2256722
3. **Voepel-Lewis T**, Andrea CM, Magee SS. Parent perceptions of pediatric ambulatory surgery: Using family feedback for program evaluation. JoPAN 1992; 7(2):106-114. PM1578395
4. Romej M, **Voepel-Lewis T**, Merkel SI, Reynolds PI, Quinn P. Effect of preemptive acetaminophen on postoperative pain scores and oral fluid intake in pediatric tonsillectomy patients. AANA J 1996;64(6): 535-540. PM9204788
5. Malviya S, D'Errico C, Reynolds P, Huntington J, **Voepel-Lewis T**, Pandit UA. Should pregnancy testing be routine in adolescent patients prior to surgery? Anesth Analg 1996;83(4): 854-858. PM8831334
6. Tait AR, **Voepel-Lewis T**, Munro HM, Gutstein HB, Reynolds PI. Cancellation of pediatric outpatient surgery: Economic and emotional implications for patients and their families. J Clin Anesth 1997;9(3):213-219. PM9172029
7. Merkel SI, **Voepel-Lewis T**, Shayevitz JR, Malviya S. The FLACC: a behavioral scale for scoring postoperative pain in young children. Pediatr Nurs 1997;23(3):293-297. PM9220806
8. **Voepel-Lewis T**, Malviya S. Evaluation of a case management model for preanesthesia screening J. Perianesth Nurs 1997;12(6):396-401. PM 9464028
9. Malviya S, **Voepel-Lewis T**, Huntington J, Siewert M, Green W. Effects of anesthetic technique on side effects associated with fentanyl oralet premedication. J Clin Anesth 1997;9(5):374-378. PM9257202
10. Malviya S, **Voepel-Lewis T**, Tait AR. Adverse events and risk factors associated with the sedation of children by non-anesthesiologists. Anesth Analg 1997;85(6):1207-1213. PM9390581
11. **Voepel-Lewis TD**, Malviya S, Burke C, D'Agostino R, Hadden SM, Siewert M, Tait AR. Evaluation of simethicone for the treatment of postoperative abdominal discomfort in infants. J Clin Anesth 1998;10(2):91-94. PM9524891
12. Tait AR, Pandit UA, **Voepel-Lewis T**, Munro HM, Malviya S. Use of the laryngeal mask airway in children with upper respiratory tract infections: A comparison with endotracheal intubation. Anesth. Analg 1998;86(4):706-711. PM9539588
13. D'Errico C, **Voepel-Lewis TD**, Siewert M, Malviya S: Prolonged recovery stay and unplanned admission of the pediatric surgical outpatient: An observational study. J Clin

- Anesth 1998;10(6):482-487. PM9793812
14. **Voepel-Lewis T**, Malviya S: Managing sedation in critically ill children (Review). *Dimens Crit Care Nurs* 1998;17(6): 298- 305. PM10639989
 15. Aukerman J, **Voepel-Lewis T**, Riegger LQ, Siewert M, Shayevitz JR, Mosca R. The relationship between extracorporeal circuit prime, albumin, and postoperative weight gain in children. *J Cardiothorac Vasc Anesth* 1998;12(4):408-414. PM9713728
 16. Tait AR, **Voepel-Lewis T**, Siewert M, Malviya S: Factors that influence parents' decisions to consent to their child's participation in clinical anesthesia research. *Anesth Analg* 1998;86(1):50-53. PM9428850
 17. Munro HM, Malviya S, Lauder GR, **Voepel-Lewis T**, Tait AR. Pain relief in children following outpatient surgery. *J Clin Anesth* 1999;11(3):187-191. PM10434212
 18. Huntington JH, Malviya S, **Voepel-Lewis T**, Lloyd TR, Massey KD. The effect of a right-to-left intracardiac shunt on the rate of rise of arterial and end-tidal halothane in children. *Anesth Analg* 1999; 88(4): 759-762. PM10195519
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