

PROMOTION RECOMMENDATION
The University of Michigan
School of Nursing

Terri D. Voepel-Lewis, associate professor of nursing, with tenure, School of Nursing, is recommended for promotion to professor of nursing, with tenure, School of Nursing [also being promoted to research professor, Department of Anesthesiology, Medical School].

Academic Degrees:

PhD	2013	University of Michigan, Ann Arbor, MI
MS	1988	University of Michigan, Ann Arbor, MI
BS	1980	Michigan State University, East Lansing, MI

Professional Record:

2018 – Present	Associate Professor, with tenure, Systems, Populations, and Leadership, School of Nursing, University of Michigan, MI
2014 – Present	Associate Research Scientist, Anesthesiology, Medical School, University of Michigan, MI

Summary of Evaluation:

Teaching: Professor Voepel-Lewis is an excellent educator who takes great pride in her teaching. She has taught principally in the Undergraduate Program and has guest-lectured in other programs. She has developed a strong collaborative relationship with another colleague and they regularly co-teach the junior-level pediatric course in fall and winter terms, N354, “Child Health & Illness” and N371, “Care of the Family: Infants, Children, and Adolescents.” While her colleague brings expertise in pediatric primary care and oncology, Professor Voepel-Lewis brings expertise in acute and critical nursing care of children to the classroom. They are committed to undergraduate pediatrics and willingly accept overload teaching assignments to accommodate this course. The student feedback for Professor Voepel-Lewis is consistently positive, median scores ranged from 4.5 to 5 for all evaluative items, exceeding the medians for the school and university.

Professor Voepel-Lewis regularly mentors students at all levels but has a strong history of mentoring undergraduate students. She has mentored students in the Undergraduate Research Opportunities Program (UROP), honors students, and students taking independent studies. She has served on five thesis committees while in rank and currently chairs two PhD dissertation committees. Professor Voepel-Lewis has mentored two DNP students and two post-doctoral fellows. She regularly publishes with her students and over the course of her career, she has mentored multiple students who are now successful academics.

Research: Professor Voepel-Lewis has a sustained and impressive track record of research that advances the assessment and management of children’s pain. Her program of research focuses on (a) development and testing the reliability and validity of methods to assess pain, agitation, and depth of sedation in children who cannot self-report, (b) safe and effective use of opioids in children in the hospital and home setting, and (c) opioid safety and analgesic decision-making by

parents in the home setting. The outcomes of this work have informed monitoring policies for children and influenced practice guidelines. Specifically, her research changed practice by the development and validation of multiple symptom assessment tools for use with young children. The best-known measure is the Face, Leg, Activity, Cry, Consolability (FLACC), a behavior pain assessment tool that was designed for young and cognitively impaired children. This measure challenged the overreliance on pain intensity scores and is widely used in the field. Recent work with the safe use of opioids in the home indicated that parental perceptions and decisions about administering opioids to their children was primarily motivated by reports of pain severity with less concern for adverse effects. This led to the development of an interactive intervention to prevent analgesic-related adverse drug events in children and adolescents. These are just examples from her larger body of research.

The quality of Professor Voepel-Lewis' research is illustrated by her success in obtaining National Institutes of Health (NIH) level funding which involves the highest level of peer review. She has served as a co-investigator (co-I) on multiple grants and is currently/recently funded on two R01 grants from NIH and one R01 Supplement from NIH. She is also currently a co-I on two other NIH-funded grants.

Professor Voepel-Lewis regularly disseminates her research in peer-reviewed publications. She has a total of 176 peer-reviewed publications listed in Scopus, 20 publications since 2019, 14 of which she is first or senior author. In addition, she has five publications in-press and four publications under review. Professor Voepel-Lewis publishes her work in a wide variety of journals. Her paper on the FLACC pain assessment tool has been adopted by health systems across the world, too numerous to count. Her first-authored or senior-authored papers are published in respected journals including *Pediatrics* (Impact Factor (IF)=7.124), *American Journal of Preventive Medicine* (IF =6.04), and *Pediatric Anesthesia* (IF =2.129). Her *h* index is 55 and her work has been cited 13,725 times. Professor Voepel-Lewis regularly presents scholarly presentations at prestigious national and international conferences. She has established a focused program of research that addresses important health problems and is making a difference in clinical practice.

Recent and Significant Publications:

- Voepel-Lewis, T., Seng J., Chen, B., Scott, E. (2021). "High Psychological and Somatic Symptom Profile and Family Health Factors Predict New or Persistent Pain During Early Adolescence." *The Clinical Journal of Pain*, 2021; 37:86-93.
- Voepel-Lewis, T., Farley, F., Grant, J., Tait, A., Boyd, C., McCabe, S., Weber, M., Zikmund-Fisher, B. (2020). "Behavioral intervention and disposal of left-over opioids: A randomized trial." *Pediatrics*, 2020; 145.
- Voepel-Lewis, T., Boyd, C., McCabe, S., Zikmund-Fisher, B., Malviya, S., Grant, J., Weber, M., Tait, A. (2018). "Deliberative prescription opioid misuse in adolescents and emerging adults: Opportunities for targeted interventions." *Journal of Adolescent Health*, 2018; 63(5): 594-600.
- Voepel-Lewis, T., Burke, C., Jeffreys, N., Malviya, S., Tait, A. (2011). "Do 0-10 numeric rating scores translate into clinically meaningful pain measures for children?" *Anesthesia & Analgesia*, 2011; 112(2):415-21.

Voepel-Lewis, T., Merkel, S., Tait, A., Trzcinka, A., Malviya, S. (2002). "The reliability and validity of the face, legs, activity, cry, consolability observational tool as a measure of pain in children with cognitive impairment." *Anesthesia & Analgesia*, 2002; 95(5):1224-1229

Service: Professor Voepel-Lewis has a strong record of service to the university and the school. Her service to the school and university includes acting as the co-chair of the Nursing Research Partnership Committee and member on the Anesthesia Clinical Research Committee. She has been a voting member on the Institutional Review Board in the Medical School and served as the chair of the Committee on Admissions and Academic Standing. She is currently on the School of Nursing Executive and PhD Admissions committees.

Professor Voepel Lewis is engaged in international work and regularly collaborates with international researchers. Nationally, she has been an advisor to the Food and Drug Administration's (FDA) Advisory Panel on Anesthesia, Analgesia, and Addiction Products, Risks of Prescribed Opioid Use during Childhood and Adolescence, and the FDA Pediatric Drug Safety and Risk Management Advisory Committee. Internationally, she was on the Society for Pediatric Anesthesia's Committee on Postoperative Opioid Practice Recommendations for Children, and is currently on the Society for Pediatric Pain Medicine's Pediatric Pain Advocacy Committee and is a member of the Scientific Program Committee for the International Symposium Pediatric Pain 2023.

External Reviewers:

Reviewer A: "[Professor] Voepel-Lewis's research and scholarship record is impressive on several levels. The first is the importance and relevance of her focus of inquiry, the second the type and extent of her dissemination and the third the integration of students and fellows in her program of research to train future scholars."

Reviewer B: "It is clearly demonstrated from committee work, presentations and publications that [Professor] Voepel-Lewis has significant expertise in pediatric pain, which is an understudied area within the pain research field. Attesting to her eminence in the field includes a significant number of guest lectures both within the university, regionally, nationally and internationally in the area of pediatric pain."

Reviewer C: "Her student ratings of teaching at the University of Michigan reflect a consistent pattern of excellence in teaching across courses and levels of students. In nearly every instance, her mean ratings exceeded those at the school and university levels, and student comments reflect a pattern of strong engagement with students, effective use of teaching and learning strategies, and a steady dose of kindness and compassion toward students."

Reviewer D: "[Professor] Voepel-Lewis has an impressive publication record, with 164 peer-reviewed articles that are a mix of first-authored and co-authored papers, typically including authors from multiple disciplines, as well as trainees."

Reviewer E: “[Professor] Terri Voepel-Lewis has a stellar and sustained track record of high-quality scholarship that includes seeking numerous grant awards, obtaining awards, and publishing peer-reviewed articles.”

Summary of Recommendation: Professor Voepel-Lewis is a productive scholar who has made significant contributions to the assessment and management of children’s pain. She is an admirable teacher and mentor; and she is a leader who contributes in external and internal service. It is with the support of the School of Nursing and Medical School Executive Committees that we recommend Terri D. Voepel-Lewis for promotion to professor of nursing, with tenure, School of Nursing.



Patricia D. Hurn
Dean and Professor
School of Nursing

May 2023