

JOURNAL OF PERIANESTHESIA NURSING

June 2019
Volume 34 • Number 3

www.jopan.org

CONTENTS

■ Editorial Opinion

- What Do We Do? Ensuring Patient Safety Through Teamwork 459
Vallire Hooper

■ The President's Page

- Celebrate Strengths: Elevate Practice 461
Amy Dooley

■ Continuing Education

- Perianesthesia Nursing Malpractice: Reducing the Risk of Litigation . . . 463
Lyerla Frank and Jamie Danks

This continuing education article explores perianesthesia nursing risk for malpractice claims as well as safe-guarding strategies. Three perianesthesia case studies are also presented.

- Pediatric Emergence Delirium: A Case Study 469
Mary C. Kamienski, Maureen A. McCartney, Michael McLaughlin, and Thomas Pallaria

This continuing education case study explores the emergence delirium experience in a pediatric patient. Epidemiology, assessment, and intervention recommendations are explored.

- Perioperative Care of Children Undergoing Intra-arterial Chemotherapy for Retinoblastoma 476
Esmihan Almontaser, Carmel Ritchie, John Madison, and Pascal Jabbour

Intra-arterial chemotherapy is a new treatment modality for retinoblastoma in children. This continuing education article provides a review of the therapy as well as perianesthesia nursing implications in caring for this population.

- Multidisciplinary Approach to Placenta Percreta: An Observational Case Study 483
Sabrina Valentine

This continuing education article presents an overview of abnormal placental implantation and postpartum hemorrhage in a mother wishing to abstain from blood and blood product transfusion. Perianesthesia management and implications are explored.



EDITORS 1986-1988

Anne Allen, RN
Tulsa, OK

Marie Darcy, RN
Vero Beach, FL

EDITORS 1989-1993

Denise O'Brien, BSN, RN,
CPAN, CAPA
Ypsilanti, MI

Kathy Carlson, MA, RN, CPAN
Minneapolis, MN

EDITORS 1994-1999

Susan A. Goodwin, MS, RN,
CPAN
Edmond, OK

Joan Bauer, MS, RN, CPAN
Madison, WI

INTERIM EDITORS 2000-2001

Denise O'Brien, MSN, RN,
APRN, BC, CPAN, CAPA,
FAAN
Ypsilanti, MI

Vallire D. Hooper, MSN, RN,
CPAN
Augusta, GA

Original Articles

- Prophylactic Nalbuphine to Prevent Neuraxial Opioid-Induced Pruritus: A Systematic Review and Meta-Analysis of Randomized Controlled Trials **491**
Tito D. Tubog, Jennifer L. Harenberg, Kristina Buszta, and Jennifer D. Hestand

This systematic review and meta-analysis examines the effect of prophylactic nalbuphine administration in the prevention of opioid-induced pruritus in patients who received neuraxial anesthesia. Seventeen trials, including a total of 1,052 patients, are included.

- The Use of Aromatherapy in Postoperative Nausea and Vomiting: A Systematic Review **502**
Katie Asay, Casey Olson, Julie Donnelly, and Echo Perlman

This systematic review examines the effect of aromatherapy on postoperative nausea and vomiting. Future research priorities are also identified.

- Postoperative Recovery After General and Regional Anesthesia in Patients Undergoing Day Surgery: A Mixed Methods Study **517**
Ulrica Nilsson, Maria Jaensson, Karuna Dahlberg, and Karin Hugelius

This mixed-methods study explores the differences in patient experiences of recovery after general and regional anesthesia in a Swedish perianesthesia setting.

- Implementation of Physiological Scoring to Determine Discharge Readiness for Patients Undergoing Otolaryngology Head and Neck Procedures **529**
Caroline C. Revell, Andi N. Rice, Dhanesh K. Gupta, and Virginia C. Muckler

This quality improvement project examined the impact of the use of a validated physiological scoring discharge readiness protocol on patient safety and time to discharge.

- The Effect of Preoperative Oral Carbohydrate Administration on Insulin Resistance and Comfort Level in Patients Undergoing Surgery **539**
Emine Onalan, Isil I. Andsoy, and Omer F. Ersoy

This randomized controlled study examined the effect of preoperative oral carbohydrate administration on postoperative insulin resistance. Patient comfort was also examined.

- The Effect of Foot Massage on Postoperative Pain and Anxiety Levels in Laparoscopic Cholecystectomy Surgery: A Randomized Controlled Experimental Study **551**
Kezban Koraş and Neziba Karabulut

This randomized controlled trial examines the effect of foot massage on postoperative pain and anxiety in laparoscopic cholecystectomy patients.

- The Development of a Pediatric Medication Administration Guideline for Preprocedure Nurse Callers **559**
Michele Acker and Nancy Deem

This process improvement article describes the development and implementation of a pediatric medication administration guideline designed to be used by nurses during the preprocedure call. Nursing satisfaction and number of calls to providers were also examined.

Single-Blinded Randomized Controlled Study on Use of Interactive Distraction Versus Oral Midazolam to Reduce Pediatric Preoperative Anxiety, Emergence Delirium, and Postanesthesia Length of Stay	567
<i>Barbara Stewart, Mary A. Cazzell, and Terri Percy</i>	

The surgical experience can be stressful for the pediatric patient and their family. This prospective study compares the effect of a tablet-based interaction compared to oral midazolam on preoperative anxiety, emergence delirium, and postanesthesia length of stay in children ages 4 to 12 undergoing outpatient surgery.

Performance-Improvement Project: Increasing Nursing Knowledge of the Impact of Sugammadex in Female Patients Taking Steroidal Contraceptives	576
<i>Lisa O'Driscoll and Justice Parrott</i>	

The impact of intraoperative administration of sugammadex on the patient's current birth control method may be easily overlooked during postoperative education, yet have lasting impact on the patient's life course. This performance improvement project explores the effectiveness of a staff educational intervention regarding the interaction of sugammadex and steroidal contraception on staff knowledge and subsequent educational interventions.

Effect of Lavender Oil on the Anxiety of Patients Before Breast Surgery	587
<i>Ayşe Beyliklioğlu and Sevban Arslan</i>	

This randomized controlled study examines the effect of a preoperative aromatherapy intervention on patient anxiety prior to surgery.

Effectiveness of a Pre-emptive Preoperative Belladonna and Opium Suppository on Postoperative Urgency and Pain After Ureteroscopy	594
<i>Susan Jane Fetzer, Linda Goodwin, and Matthew Stanizzi</i>	

Bladder spasms, pain, and urgency are commonly experienced postoperatively by ureteroscopy patients. This prospective double-blind study explores the effect of preemptive belladonna and opium suppository administration on postoperative bladder comfort, narcotic requirements, and length of stay.

Family Visitation in the PACU: An Evidence-Based Practice Project . .	600
<i>Elizabeth Pagnard and Wendy Sarver</i>	

This article describes the creation and implementation of an evidence-based practice project addressing family visitation in the postanesthesia care unit. Staff survey results and family satisfaction are also reported.

The Personnel's Sevoflurane Exposure in the Postanesthesia Care Unit Measured by Photoacoustic Gas Monitoring and Hexafluoroisopropanol Biomonitoring	606
<i>Jennifer Herzog-Niescery, Heike Vogelsang, Martin Bellgardt, Hans-Martin Seipp, Thomas P. Weber, and Philipp Gude</i>	

This prospective observational study explores environmental and biologic sevoflurane burden in the Phase I postanesthesia care unit. Photoacoustic gas and nursing urinary sevoflurane and hexafluoroisopropanol concentration levels were measured.

Physicians' and Nurses' Attitudes and Actions Regarding Perioperative Medication Management	614
<i>Susanne Winther Olsen, Eva Draborg, and Marianne Lisby</i>	

This quantitative descriptive study examines nursing and physician attitudes and actions regarding the prescription and administration of perioperative opioids and antibiotics in a Danish hospital. Recommendations to address knowledge deficits are also discussed.

Enhancing the Quality of the Anesthesia to Postanesthesia Care Unit Patient Transfer Through Use of an Electronic Medical Record–Based Handoff Tool	622
<i>Margaret L. Halladay, Julie A. Thompson, and Charles A. Vacchiano</i>	

Anesthesia to postanesthesia care unit handoffs are often disjointed, incomplete, and highly variable, thus jeopardizing patient safety. This best practice article examines the implementation of an electronic medical record–based patient handoff checklist in a convenience sample of patients.

I Stay—Swedish Specialist Nurses in the Perioperative Context and Their Reasons to Stay at Their Workplace	633
<i>Erebouni Arakelian, Gudrun Rudolfsson, Anna Rask-Andersen, Roma Runeson-Broberg, and Robert Wålinder</i>	

This qualitative study explores why nurse anesthetists and operating room nurses choose to stay in their same workplace environment. Three themes were identified.

Cognitive Rehearsal Training to Prevent Lateral Violence in a Military Medical Facility	645
<i>Karen M. O’Connell, Renée L. Garbark, and Kelly Cavanaugh Nader</i>	

This study quantitatively examined nurses’ perceptions of lateral violence within a military hospital setting before and after the implementation of a cognitive rehearsal training intervention. Further study recommendations are also explored.

■ EBP: Evidence to Practice

Breaking the Fast: A Nutritional Intervention to Enhance Surgical Outcome	654
<i>Keri Wall, Jessica Schneiderman, and Elizabeth Duke</i>	

■ Global Connections

Exploring New Horizons, Empowering Global Practice	658
<i>Joni M. Brady</i>	

■ Pain Care

Music as a Postoperative Pain Management Intervention	662
<i>Michael J. Poulsen, Jeffrey Coto, and Maureen F. Cooney</i>	

■ Calendar of Events	666
----------------------------	-----

■ Research News

Code Status Limitations	667
<i>Mary W. Stewart</i>	

■ Erratum	668
-----------------	-----

■ The Back Page

The Dark Side of Systems Thinking	670
<i>Theresa Clifford</i>	

Articles in this journal are listed in the Cumulative Index to Nursing & Allied Health Literature and the International Nursing Index.