State of the Science Oral and General Poster Sessions

The AANA Foundation extended an invitation to participate in the State of the Science Oral and General Poster Sessions at the AANA Annual Meeting in Seattle, Washington. This type of forum offers unique opportunities to talk directly to researchers about their research findings. The interaction among colleagues in a less formal setting sets the stage for invigorating discussions and exploration of the research findings.

Each year, Poster Session candidates are selected by the AANA Foundation Board to present their research for the poster presentation. This year, 61 of the abstracts from the State of the Science Oral and Poster Sessions were selected to be listed in the AANA Journal and posted online. For further detail and reference citations concerning individual abstracts, please contact the authors listed below. The complete abstracts can be found at http://www.aana.com/postersessionabstracts.aspx.

Lorraine M. Jordan, CRNA, PhD
AANA Foundation Executive Director

State of the Science Oral Presentations

A1
A Randomized, Prospective, Placebo-Controlled, Double Blind Trial to Evaluate the Efficacy of Preoperative Aprepitant Plus Ondansetron vs Ondansetron Plus Placebo in Patients at High Risk for Postoperative Nausea and Vomiting (PONV) Undergoing Ambulatory Plastic Surgery
Laura Barnes, RN, BSN, CCRN; Manuel C. Vallejo, MD; James W. Ibinson, MD, PhD; Patrick Milord, BS; Ryan C. Romeo, MD; Brian A. Williams, MD, MBA
Magee-Womens Hospital/University of Pittsburgh School of Nursing, Nurse Anesthesia Program

A2
Resuscitation with Diazoxide Decreases Hemorrhagic Shock-Induced Brain Levels of Cleaved Caspase-3
MAJ Michael W. Bentley, CRNA, PhD, ANC, USA; Joseph T. McCabe, PhD
US Army Graduate Program in Anesthesia Nursing

A3
Perioperative Hypoglycemia Development in Patients With Diabetes: Comparing Risk of Patients Presenting With Low Normal Fasting Preoperative Blood Glucose to Those With High Fasting Preoperative Blood Glucose Treated With Correctional Insulin
Howard L. Drews III, RN, BSN; Suzanne N. Brentin, RN, BSN; Catherine R. Ersig, RN, BSN; Amy L. Trent, RN, BSN; Barbara E. Harrison, RN, PhD; Solomon I. Rosenblatt, MD; Fatema M. Omran, MD; Tamra K. Dukatz, CRNA, MSN; Richard E. Han, MD, MPH; Anne M. Hranichook, CRNA, MSN; Lisa A. Mileto, CRNA, MS; Mamtha Balasubramaniam, MS
William Beaumont Hospital

A4
A Preventive Intervention for Rising Intraocular Pressure: Development of the Molloy/BAA Observation Scale
Bonnie Lee Molloy, CRNA, PhD
Bridgeport Anesthesia Associates

A5
The Effects of Arterial Blood Pressure on Rebleeding when BleedArrest, Celox, and Traumadex Are Used in a Porcine Model of Lethal Femoral Injury
Ann R. Neal, RN, MSN; Karl E. Kammer, RN, BSN; Martha E. Paul, RN, BSN; Daniel J. Schwartz, RN, BSN; James Burgert, CRNA, MSNA; Brian T. Gergel, CRNA, MSN; A. Don Johnson, RN, PhD
US Army Graduate Program in Anesthesia Nursing

A6
An Evaluation of Perioperative Administration of Gabapentin in Patients Undergoing Arthroscopic Shoulder Surgery With General Anesthesia and
Interscalene Blocks Combined
CDR Dennis Spence, CRNA, PhD, NC, USN; LT Jason Goff, RN, BSN, NC, USN; LT Erin Mohan, RN, BSN, NC, USN; LT Kirsten Bowen, RN, BSN, NC, USN; CDR Lisa Osborne, CRNA, PhD, NC, USN; CDR John Maye, CRNA, PhD, NC, USN
Uniformed Services University of the Health Sciences, Graduate School of Nursing, Nurse Anesthesia Program, Naval Medical Center San Diego

A7
Capt Tobie Watkins, RN, USAF NC; LT Raymond Bonds, RN, NC, USN; LT Kedrin Hodges, RN, NC, USN; Capt Brooks Goettle, CRNA, USAF NC; LCDR Scott Sparks, MC, USN; Anne-Marie Dobson, MD; LCDR Arlene Hudson, MC, USN
Uniformed Services University of the Health Sciences

A8
A Comparison of the Prophylactic Combination of Palonosetron and Dexamethasone Versus Ondansetron and Dexamethasone on the Incidence and Severity of Postdischarge Nausea and Vomiting in a Group of High-Risk Patients
LT Jermaine M. White, RN, BSN; LT Kevin J. Michel, RN, BSN; LT Reginald Middlebrooks, RN, BSN; CDR Brent A. Bushey, CRNA, MS; CDR Carole A. Daniel, CRNA, MS; CDR John P. Maye, CRNA, PhD, NC, USN
Uniformed Services University of the Health Sciences

General Poster Sessions

A9
Polio Survivors and Anesthesia Complications: Implications for the Clinician
Laura L. Ardizzone, CRNA, DNP; Richard Bruno, MD, PhD
Columbia University School of Nursing

A10
Nurse Anesthetists’ Perceptions of Anesthesia Patient Simulation: Development of a Content Valid Pre/Post Questionnaire
Capt Nicholas S. Bancroft, RN, USAF NC; Capt Stacy N. Carr, RN, USAF NC; LT Ryan M. Freeman, RN, USPHS; Lt Col Kevin J. Bohan, CRNA, PhD, USAF NC
Uniformed Services University of the Health Sciences, Graduate School of Nursing, Nurse Anesthesia Program

A11
Labor Epidural Analgesia for Vaginal Delivery and Childhood Learning Disabilities
Charles W. Beinborn, RN, BSN; Ellen Hambel, RN, BSN; Melissa Klein, RN, BSN; Mary Shirk Marianau, CRNA, MS; Randall P. Flick, MD, MPH; KunMoo Lee, MD; Ryan E. Hofer, BA; Paul Gunn, MD; Robert T. Wilder, MD, PhD; Slavica K. Katusic, MD; Darrell R. Schroeder, MS; David O. Warner, MD; Juraj Sprung, MD, PhD
Mayo Clinic College of Medicine

A12
Posthemorrhagic Preresuscitation Conditioning With Diazoxide Increases HSP23 and HSP70 in the Cerebral Cortex and Hippocampus
MAJ Michael W. Bentley, CRNA, PhD, ANC, USA; Joseph T. McCabe, PhD
US Army Graduate Program in Anesthesia Nursing

A13
MAPK Signaling Pathways Regulate IL-8 mRNA Stability and IL-8 Protein Expression in Cystic Fibrosis Lung Epithelial Cells
Sharmística Bhattacharyya, PhD; Usha Guti, PhD; LT Jose Mercado, NC, USN; LT Chad Moore, NC, USN; Harvey B. Polland, PhD; Roopa Biswas, PhD
Nurse Anesthesia Program, Graduate School of Nursing, Uniformed Services University of the Health Sciences

A14
Neurotoxicity and Structure Activity Relationships of Tricyclic Antidepressants Used as Local Anesthetics
Rolph M. Bolstad, RN, MBA; Rebecca J. Steer, RN, BA, BSN; Ronald R. Gaddis, PhD
Webster University Nurse Anesthesia Program

A15
Utilization of Sniffing Position for Intubation Among Student Registered Nurse Anesthetists and Certified Registered Nurse Anesthetists
Dimitrina I. Borissova, RN, BSN; Tammy L. Carroll, CRNA, MSN; Ryan T. Shores, CRNA, MSN; Gerard T. Hogan, CRNA, DNS
University of North Florida School of Nursing, Nurse Anesthetist Program

A16
Assessment in the Variability of American Society of Anesthesiologist Physical Status Classification Among Anesthesia Providers
Joseph C. Camacho, RN, BSN; Damien Rostorfer, RN, BSN; W. Patrick Monaghan, PhD, CLS, SBB; Tammy L. Carroll, CRNA, MSN, ARNP; Nicholas Kalynych, CRNA, MSHS, ARNP
University of North Florida Nurse Anesthetist Program

DISCLAIMER: The views expressed in these abstracts are those of the authors and do not reflect the official policy or position of the Departments of the Air Force, Army, Navy, and Public Health Service, the Department of Defense, or the US Government.
A17 Orthopedic Surgeons’ and Anesthesia Providers’ Perceptions of Regional Anesthesia Efficacy
Constance K. Carbone, RN, BSN; Teala M. Thomas, RN, BSN; Ryan T. Shores, CRNA, MSN, ARNP; W. Patrick Monaghan, PhD, CLS, SBB; Tammy L. Carroll, MSN, CRNA, ARNP
University of North Florida, Nurse Anesthesia Program

A18 Perceived Self-Efficacy, Trait Anxiety, and Their Correlation to Student Nurse Anesthetists’ Performance on the Self-Evaluation Examination
Katherine C. Childress, RN, BSN; Jeanie K. Ladd, RN, BS, BSN; Gerard T. Hogan Jr, CRNA, DNSc, ARNP; Nathaniel M. Apatov, CRNA, PhD; Christopher Leone, PhD
University of North Florida

A19 The Effects of BleedArrest on Hemorrhage Control in a Porcine Model
CPT Brian Cooley, RN, BSN, ANC, USA; CPT Jacob MacGregor, RN, BSN; CPT Jules Myers, RN, BSN; CPT Sean Calder, RN, BSN; CPT Ralph Luellen, RN, BSN; Brian Gegg, CRNA, MSN; James Burgert, CRNA, MSNA; LTC Michael Loughren, CRNA, PhD; Don Johnson, RN, PhD
US Army Graduate Program in Anesthesia Nursing

A20 The Effects of the Human Patient Simulator Compared to a CD-ROM in Trauma Care
CPT Theresa Corrigan, RN, BSN, ANC, USA; CPT Gary Gulickson, RN, BSN; CPT Elizabeth Holshouser, RN, BSN; Joanne Ramos-Allarilla, MSN; Don Johnson, PhD
US Army Graduate Program in Anesthesia Nursing

A21 Anesthetic Management of Patients with Thyroid-Stimulating Hormone-Secreting Pituitary Adenomas
Matthew W. Dyer, RN, BSN, CCRN; Amy S. Gnagey, RN, BSN, CCRN; Bryan T. Jones, RN, BSN, CCRN; Roger D. Pula, RN, BSN; John L. Atkinson, MD; Mary E. S. Marienau, CRNA, MS; Jeffrey J. Pasternak, MD
Mayo Clinic School of Health Sciences, Master of Nurse Anesthesia Program

A22 Anesthesia in an Office-Based Plastic Surgery Center: An Assessment of Patient Satisfaction
Krystal K. Edgar, RN, BSN; Amy M. Harper, RN, BSN; Nicholas M. Kalynych, CRNA, MSHS, LCDR(ret), USN ARNP; W. Patrick Monaghan, PhD, CLS, SBB; J. Phillip Garcia, MD, FACS; Roberto E. Garcia, MD
University of North Florida, Nurse Anesthesia Program, The Garcia Facial Plastic Surgery/Aesthetics and Wellness Institute

A23 A Clandestine, Observational Study of the Hand Hygiene Behaviors of Anesthesia Providers Across the Perioperative Continuum in a Metropolitan Medical Center
Charles Elam, RN, BSN; Brandon Patterson, RN, BSN; Chuck Biddle, CRNA, PhD
Virginia Commonwealth University Department of Nurse Anesthesia

A24 Anesthesia Providers’ Attitudes Regarding Random Drug Screening
Nikki A. Ello, RN, BSN; Clay Awishes, RN, BSN
Wayne State University

A25 The Effect of Intraoperative Intravenous Lidocaine on the Reduction of Postoperative Pain and Return of Bowel Function in Patients Undergoing Laparoscopic Abdominal Gynecological Procedures
LT Philip L. Grady, RN, BSN, NC, USN; LCDR Nathaniel R. Clark, RN, BSN, NC, USN; LCDR John E. Lenahan, RN, BSN, NC, USN; CDR Chris Oudekerk, CRNA, DNP, NC, USN; CDR Greg G. Nezat, CRNA, PhD, NC, USN; CDR Robert J. Hawkins, CRNA, DNP, NC, USN
Uniformed Services University Nurse Anesthesia Program

A26 Using Lean Processes to Develop Simulation Training for Emergency Situations in a Free-Standing Surgical Setting
Lisa S. Grayson, CRNA; Elizabeth Alley, MD
Virginia Mason Medical Center

A27 Prewarming of Endotracheal Tube and Its Effects on Reducing Emergence Phenomenon
LT Tim Hall, CRNA, MS, NC, USN; LT Doris Chen, CRNA, MS, NC, USN; LCDR Brian Atchison, CRNA, MS, NC, USN; CDR Greg Nezat, CRNA, PhD, NC, USN; Joseph E. Pellegrini, CRNA, PhD, DNP, CAPT(ret), NC, USN
Navy Nurse Corps Anesthesia Program

A28 Comparison of Hydromorphone with Fentanyl for Intraoperative and Postoperative Analgesia for Breast Reduction Surgery Patients in the Ambulatory Surgery Setting

DISCLAIMER: The views expressed in these abstracts are those of the authors and do not reflect the official policy or position of the Departments of the Air Force, Army, Navy, and Public Health Service, the Department of Defense, or the US Government.
Mindy V. Hart, RN, BSN; Tamksen Robinson, RN, MSN, CNS; Richard M. Flowerdew, MD, MB
University of New England

A29
Evaluation of the Anxiolytic Properties of Tetrahydro-
palmatine, a Corydalis Yanhusuo Compound, in the Male Sprague-Dawley Rat
CPT Herman Henkes, RN, BSN, ANC, USA; CPT Anna Legaspi, RN, BSN; CPT Jacqueline Monroe, RN, BSN; CPT Orin Kendall, RN, BSN; CPT Joann LeDoux, RN, BSN; CPT Christopher Haese, RN, BSN; Suzanne McCall; Thomas E. Ceremuga, CRNA, PhD, LTC(ret), ANC, USA
US Army Graduate Program in Anesthesia Nursing

A30
Quantitative Indicators of Judgment and Decision Making of Nurse Anesthesia Students Using the Hartman Value Profile
Linda Hill, CRNA, DNSc; Miriam Zwitter, RN, PhD, MSN
University of Tennessee at Chattanooga School of Nursing Nurse Anesthesia Program

A31
Accuracy and Precision of Temperature Measurement in Perioperative Patients
Maria Hirsch, CRNA, MS; Rebecca Clark, RN, PhD; Elizabeth Oliver, RN, BSN
Carilion Clinic

A32
The Effects of Blood Pressure on Rebleeding When Using ExcelArrest in a Porcine Model of Lethal Femoral Injury
MAJ HaYong Hirst, RN, MSN, ANC, USA; CPT Amy Beasley, RN, BSN; CPT John Brinkman, RN, BSN; CPT Richard Crocker, RN, BSN; Don Johnson, RN, PhD; Brian Gogel, CRNA, MSN; James Burgert, CRNA, MSNA; LTC Michael Loughren, CRNA, PhD; LTC Joseph O’Sullivan, CRNA, PhD
US Army Graduate Program in Anesthesia Nursing

A33
Safety of Laryngeal Mask Airway in Pediatric Tonsillectomies
Agnes L. Hunyaday, MD; Susan DeCarlo-Piccirillo, CRNA, DNP; Derek Poulson, RN, BS, Yuri Medvid, MD
Eastern Maine Medical Center

A34
The Effects of Laboratory Simulation on Salivary Cortisol Levels in Student Registered Nurse Anesthetists: A Pilot Study
Terri Jones, CRNA, DNP; Sarah Goss, RN, BSN; Bethany Weeks, RN, BSN; Hiroko Miura, RN, BSN; Damian Bassandeh, RN, BSN; Mike Hoover; Bridget Ugoletti; Kelsey Williams; Dennis Cheek, RN, PhD, FAHA; Bradford S. Commons, MD
Texas Christian University, Harris College Nursing and Health Sciences

A35
Bicarbonate Alkalinization of Commonly Used Local Anesthetics
Natallia M. Kishko, RN, BSN; Moeen K. Panni, MD, PhD; Ryan Shores, CRNA; Patrick W. Monaghan, PhD, CLS, SBB
University of North Florida and UF College of Medicine

A36
A Historical Account of Nurse Anesthesia Education and Practice During World War II
Brian D. Klocke, RN, BAN; Joe M. Carlson, RN, BSN; Mary Marienau, CRNA, MS
Mayo Clinic College of Medicine, School of Health Sciences, Master of Nurse Anesthesia Program

A37
Evaluation of a New Modified Chest Lead in Diagnosing Wide Complex Beats of Unknown Origin
Mark A. Kossick, CRNA, DNSc, APN; G. Neal Kay, MD; Michael A. Carter, DNSc, DNP, FAAN, FNP/GNP-BC; James M. Pruett, PhD; Linda Hill, CRNA, DNSc, APN
Western Carolina University

A38
Is There an Association Between Calculated Fluid Deficit and Core Temperature Variation in the Surgical Patient?
James Wesley Langley, RN, BSN; Nathaniel M. Apotov, CRNA, PhD; W. Patrick Monaghan, PhD, CLS, SBB; Tammy L. Carroll, CRNA, MSN, ARNP
University of North Florida, Nurse Anesthesia Program

A39
The Association of Postoperative Pain and Opioids with Genotypes for Cytochrome 4502D6 (CYP2D6) in Orthopedic Trauma Patients
Jenna Lashley; Susan Wesmiller, RN, PhD; Elizabeth Scalise, RN, BSN; Richard Henker, CRNA, PhD; Feng, Dai, PhD; Susan Serelka, PhD; William Lariviere, PhD; Li Meng, MD; Gary Gruen, MD; Ivan Tarkin, MD; Peter Siska, MD; Yvette Conley, PhD
University of Pittsburgh School of Nursing and School of Medicine

DISCLAIMER: The views expressed in these abstracts are those of the authors and do not reflect the official policy or position of the Departments of the Air Force, Army, Navy, and Public Health Service, the Department of Defense, or the US Government.
**A40**
The Effect of Bair Paws Preoperative Warming on Postoperative Temperature
Lynn Lebeck, CRNA, PhD; Simona Barr, RN, BSN; Andrea Hall, RN, BSN; Erin Root, RN, BSN
University of Michigan-Flint/Hurley Medical Center

**A41**
External Surfaces of Multi-use Disposable Anesthesia Breathing Circuits and Bags: Another Source of Cross Contamination?
Lynn Lebeck, CRNA, PhD; Melissa C. Carter, RN, BSN; Rachel L. Karwick, RN, BSN; Jenelle L. Fye, RN, BSN; Leighann L. Roulo, RN, BSN
University of Michigan-Flint/Hurley Medical Center

**A42**
A Descriptive Evaluation of the Application Process to a Nurse Anesthesia Program
Scott Monterde, CRNA, MSN; Kelly Good, CRNA, MSN; Angelique Cook, MBA; Avalon Gourlay, MS; Richard Metzger, PhD; Kay Lindgren, RN, PhD
University of Tennessee at Chattanooga, School of Nursing, Nurse Anesthesia Concentration

**A43**
Recruitment Methods to Increase Qualified Applicant Pool for a Rural Clinical Affiliation
Scott Monterde, CRNA, MSN; Kelly Good, CRNA, MSN; Angelique Cook, MBA; Avalon Gourlay, MS; Richard Metzger, PhD; Kay Lindgren, RN, PhD
University of Tennessee at Chattanooga, School of Nursing, Nurse Anesthesia Concentration

**A44**
Does the Administration of Ketamine Affect Postoperative Pain, Cognitive Function, and Anesthesia Satisfaction in Patients Undergoing Lumbar Spinal Surgery?
Capt Warren B. Moore, RN, USAF, NC; Maj Ronald G. Veneskey, RN, USAF, NC; Maj James A. Wainright, RN, USAF, NC; Lt Col Valerie T. Belle, CRNA, USAF, NC; Christopher A. Dyer, CRNA, Lt Col(ret)
Uniformed Services University Graduate Nurse Anesthesia Program

**A45**
Barriers to the Publication of Scientific Literature by Academic Certified Registered Nurse Anesthetists
Daniel D. Moos, CRNA, EdD, MS
Bryan/LGH College of Health Sciences, Adjunct Faculty

**A46**
Surgical Staging of Complex Spinal Fusions: A Retrospective Review of Patient Outcomes and Institutional Resource Utilization
Amy J. Nevean, RN, BAN; Lacey A. Nicol, RN; Kari K. Peterson, RN; Marites G. Villarama, RN; Michael J. Brown, MD; Daryl J. Kor, MD; Beth A. Elliott, MD; Mary E. Shirk Marienau, CRNA, MS; Mark B. Dekutoski, MD; Peter S. Rose, MD; Mike Yaszemski, MD, PhD; Timothy B. Curry, MD, PhD
School of Health Sciences Master of Nurse Anesthesia Program, Mayo Clinic College of Medicine

**A47**
Dantrolene Reconstitution: When Seconds Count
Genienne A. Noonan, RN, BSN; Ilusion R. Brabham, RN, BSN; Ryan T. Shores, CRNA; Patrick W. Monaghan, CLS, SBB, PhD; Enrico M. Camporesi, MD
University of North Florida, Brooks College of Health, Nurse Anesthesia Program

**A48**
Bridging the Gap Between Experience and Evidence: An Assessment of Patient Outcomes in the Office-Based Surgical Setting
Amber N. Osborne, BS, BSN; John W. Davis, RN, BSN; W. Patrick Monaghan, PhD, CLS, SBB; Nicholas M. Kalynych, CRNA, MSHS, ARNP, LCHR(ret), NC, USN; J. Phillip Garcia, MD, FACS; Roberto E. Garcia, MD
University of North Florida, Nurse Anesthesia Program
The Garcia Facial Plastic Surgery/ Aesthetics and Wellness Institute Center

**A49**
Effect of General Anesthesia in Cerebral Palsy Patients at the Turn of the New Millennium: A Population-Based Study Evaluating Perioperative Outcome
Jenna M. Palzkill, RN, BSN; Melinda A. Howe, RN, BSN; Julie M. Castagno, RN, BSN; Kimberly A. Kerber, RN, BSN; C. Thomas Wäss, MD; Mary E. Warner, MD; Gregory A. Worrell, MD, PhD; Darrell R. Schroeder, MS; Gregory D. Cascino, MD; Mary Shirk Marienau, CRNA, MS
Mayo School of Health Sciences, Master of Anesthesia Program

**A50**
Comparison of Glidescope to Conventional Laryngoscopy for Emergency Intubation by Nonanesthesia Providers
Joseph E. Pellegrini, CRNA, PhD, DNP, CAPT(ret), NC, USN; Kenneth P. Rothfield, MD; T. Holden, RRT; M. Koehnlein MD; D. Vitberg, MD; J. Twamnhol, MD
Saint Agnes Hospital, Ascension Healthcare, Baltimore MD
A51
The Development of a Radiation Safety Educational Unit for Anesthesia Providers: Keeping Pace With Technology
Gillian Phillips, RN, MS, BSN, RT; W. Patrick Monaghan, PhD, CLS, SSB; Tammy L. Carroll, CRNA, MSN, ARNP; Ryan T. Shores, CRNA, MSN
University of North Florida School of Nursing, Nurse Anesthesia Program

A52
Karlyn A. Privetts, RN, BSN; Jacob C. Paulk, RN, BSN; W. Patrick Monaghan, PhD, CLS, SBB; Nicholas Kalynych, CRNA, Rachel Karlinski, PhD, MSHS; John P. McDonough, CRNA, Edd, ARNP; Kathaleen Bloom, RN, PhD, MSN, CNM; Devanand Mangar, MD, FCCP
University of North Florida, Nurse Anesthetist Program

A53
Changes in Liver Toxicity Markers in Chronically Stressed Rats Treated with Estrogen Receptor Agonists
MAJ Brent Ramsey, RN, BSN, MA; MAJ Jeanette Rodriguez-Torres, RN, BSN; CPT Jeremy Crouch, RN, BSN; CPT Omar Perez, RN, BSN; Danette Cruthirds, CRNA, PhD, MSN; T. John Wu, PhD
Uniformed Services University Graduate School of Nursing

A54
Effects of ExcelArrest on Hemorrhage Control
CPT John R. Reed, RN, MSN; CPT Katrina Cheek, RN, BSN; Linda Fuhrman, RN, MSN; MAJ Joseph Karhan, RN, BSN; Faith Knepp, RN, BSN; Patti E. Landerfeldt, RN, BSN; CPT John P. Murray, RN, BSN; Brian Gege, CRNA, MSN; James Burgert, CRNA, MSNA; Don Johnson, RN, PhD; LTC Michael J. Loughren, CRNA, PhD
US Army Graduate Program in Anesthesia Nursing

A55
Keeping Vigil: A Grounded Theory of CRNA Practice
Rita S. Schreiber, RN, DNS; Marjorie A. MacDonald, RN, PhD
University of Victoria School of Nursing

A56
Effects of Intralipid Administration on Human Cardiac Tissue in the Presence of Bupivacaine Toxicity
Gabrielle E. Sharrow, RN, BSN; April Royston, RN, BSN; Debbie J. Jensen, RN, BSN; Lynn Lebeck, CRNA, PhD; Shawn Fryzel, CRNA, MS; Harland L. Verrill, PhD
The University of Michigan-Flint/Hurley Medical Center

A57
Exploration of Histone 4 Acetylation Patterns and Behavioral Response Related to the Slo Promoter Region in Drosophila melanogaster after Exposure to Sevoflurane
Lindsey N. Thomas, CRNA, MS; Orisia S. Kirkpatrick, CRNA, MS; Stephanie Schroder, PhD
Department of Biological Sciences, Master of Science in Nurse Anesthesia Program, Webster University

A58
Assessing the Knowledge and Implementation of Cricoid Pressure by Anesthesia Providers
Amie M. Spruell, RN, BSN; W. Patrick Monaghan, PhD, CLS, SBB; Tammy L. Carroll, CRNA, MSN, ARNP
Nurse Anesthesia Program, Brooks College of Health, University of North Florida

A59
Estimated Blood Loss: Assessment of Blood Loss in a Simulated Open Abdominal Case by Nurse Anesthesia Students
Kelly Dawn Verbal, CRNA, MSN
Florida Hospital College of Health Sciences

A60
The Experiences of Military CRNAs with Service Personnel Who Are Emerging From General Anesthesia
MAJ J. Tyler Wilson, CRNA, NC, USA
East Carolina University

A61
Complicated Epidural Placement in the Parturient: Are There Preexisting Risk Factors That Predict Complicated Placement?
Keri A. Yanovich, RN, BSN; W. Patrick Monaghan, PhD, CLS, SBB; Susanna K. Stewart, CRNA, ND
University of North Florida, Nurse Anesthetist Program

DISCLAIMER: The views expressed in these abstracts are those of the authors and do not reflect the official policy or position of the Departments of the Air Force, Army, Navy, and Public Health Service, the Department of Defense, or the US Government.