

The following is an index of the major topics addressed in the AANA Journal during 2015. The index is alphabetized according to headings, and entries appear in chronological order within the headings. Author and subject indexes are integrated.

- A**
- AANA Foundation Malpractice Closed Claims Study, 318
- AANA Journal Course 1. Update for Nurse Anesthetists: Anesthesia and the developing brain, 139
- AANA Journal Course 2. Update for Nurse Anesthetists: Venous Thromboembolism: New Concepts in Perioperative Management, 211
- AANA Journal Course 3. Update for Nurse Anesthetists: Acupuncture: History from the Yellow Emperor to Modern Anesthesia Practice, 1289
- AANA Journal Course 4. Ultrasound-Guided Ankle Blocks: A Review of Current Practices, 357
- AANA Journal Course 34. Update for Nurse Anesthetists: Part 6—Surgical Site Infection and Prevention Guidelines: A Primer for Certified Registered Nurse Anesthetists, 63
- AANA Journal course 35, Part 5: A Review of Nonsteroidal Anti-Inflammatory Drugs, 425
- Academic success, considerations before beginning graduate education, 345
- Acquired malformations, identifying and managing the difficult, in the pediatric population, 35
- Acupuncture, history of, 289
- Adverse drug effects, review of, for nonsteroidal anti-inflammatory drugs, 425
- Adverse events, STUBR (Snoring, Trouble Breathing, Un-Refreshed) screening questionnaire in reducing perioperative respiratory, 256
- Airway: comparison of second generation supraglottic devices, 275; identifying and managing the difficult, in the pediatric population, 35; improving success with the GlideScope Video Laryngoscope, 389; successful intubation by student registered nurse anesthetists, 403
- Analgesia: role of esmolol in perioperative, 167
- Anesthesia: activation of fresh gas flow alarm during low-flow, 200; attrition from registered program, 351; developing brain and, 139; discovery of modern, 410; identification of high cuff pressure by palpation of cuff balloon on endotracheal tube, 179; improving success with GlideScope Video Laryngoscope, 389; information management systems in outcomes research, 189; intraoperative difference between esophageal versus nasopharyngeal temperatures and the impact of prewarming, age, and weight and, 99; neurocognitive effect of drugs, 139; Preoperation Anesthesia Evaluation-Revisited in assessment of, 83; role of esmolol in, 167
- Anesthesia staff, identification of high cuff pressure by palpation of cuff balloon on endotracheal tube, 179
- Ankle blocks, ultrasound-guided, 357
- Antibiotic prophylaxis, surgical site infection and prevention guidelines and, 63
- Antidepressant effects of asiatic acid, 91
- Antithrombotic therapy, venous thromboembolism and, 211
- Anxiolysis, evaluation of the effects of asiatic acid and, 91
- Apatov NM. *See* Mereroll BK; Apatov NM; Rutledge CM: The Noncompetent Clause and the Nurse Anesthetist: An Assessment of Knowledge, Perception, and Experience, 329
- Asiatic acid, evaluation of the anxiolytic and antidepressant effects of, 91
- Assante J; Collins S; Hewer I: Infection Associated with Single-Dose Dexamethasone for Prevention of Postoperative Nausea and Vomiting: A Literature Review, 281
- Attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351
- Audette MD; Glymph, DC: Bivalirudin in Off-Pump Coronary Artery Bypass Graft in a Patient with Heparin-Induced Thrombocytopenia: A Case Report of its Use, 116
- Austin PN. *See* Nemec D; Austin PN; Silvestro LS: Methods to Improve Success with the GlideScope Video Laryngoscope, 389
- Austin PN: The Information Age and Hot Air, 237
- Avoidance strategies, call-shift fatigue and use of, 123
- B**
- Bailey H. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the anxiolytic and antidepressant effects of asiatic acid, a compound from gotu kola or centella asiatica, in the male sprague dawley rat, 91
- Barbera S. *See* Glymph DC; Olenick M; Barbera S; Brown; Prestianni L; Miller C: Healthcare utilizing deliberate discussion linking events (HUDDLE): a systematic review, 183
- Beck JE. *See* Wastler KE; Grichnik K; Noeth T; Beck JE: Five elements for consideration in the development of corneal abrasion avoidance protocols
- Belanger J; Kossick M: Methods of Identifying and Managing the Difficult Airway in the Pediatric Population, 35
- Best care, Preoperation Anesthesia Evaluation-Revisited, 83
- Birkelund R. *See* Hasfeldt D; Maindal HT; Toft P; Lauridsen JT; Birkelund R: Influence of Patients' "Sense of Coherence" on Main Postoperative Variables in the Postanesthesia Care Unit: A Cross-Sectional Study, 417
- Bivalirudin, in off-pump coronary artery bypass graft in patient with heparin-induced thrombocytopenia, 116
- Blocking agents, experience with Sugammadex sodium, 107
- Blood transfusion, far forward anesthesia and massive, 337
- Blumenreich G. *See* Zambricki CS; Horowitz J; Blumenreich G; Fallacaro MD: Recertifying the Professional Nurse Anesthetist: a Call for National Dialogue
- Books, Etc.: *Bad Pharma: How Drug Companies Mislead Doctors and Harm Patients*, 316; *The Florence Prescription: From Accountability to Ownership*, 163; *Patient Safety Culture: Theory, Methods, and Application*, 163
- Boytim M. *See* Dumouchel M; Boytim M; Gorman N; Weismuller P: Does Moral Distress Differ Between California Registered Nurse Anesthetists in Independent versus Medically Supervised Practice: an Exploratory Study
- Bozimowski G: AANA Journal course 35, Part 5: A Review of Nonsteroidal Anti-Inflammatory Drugs, 425
- Brain, anesthesia and the developing, 139
- Brown EL. *See* Glymph DC; Olenick M; Barbera S; Brown; Pres-

tianni L; Miller C: Healthcare Utilizing Deliberate Discussion Linking Events (HUDDLE): a Systematic Review, 183
Burns S. See Imus FS and Burns S: What to Consider before Beginning Graduate Education: A Pilot Study

C

Calendar of Events, 69, 150, 222, 296, 367, 443
California Certified Registered Nurse Anesthetists: study of moral distress in independent versus medically supervised practice, 203
Call-shift fatigue, certified registered nurse anesthetists and, 123
Case reports: bivalirudin in off-pump coronary artery bypass graft in a patient with heparin-induced thrombocytopenia, 116; gunshot wound and new trauma protocols, 247
Case studies: implementation of mass transfusion protocol in outpatient operating room setting, 196; primary cesarean delivery results in emergency hysterectomy due to placenta accreta, 28
Ceramic valve disk: malfunction of, during spontaneous ventilation, 400
Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91
Certified Registered Nurse Anesthetists (CRNAs): development of clinical sites for educating, 17; educational programs for students, 56; recertification of professional nurse anesthetists, 7; study of moral distress in independent versus medically supervised practice, 203
Cesarean delivery: resulting in emergency hysterectomy due to placenta accreta, 28
Checklist for transfer of care, 264
China: learning about educational programs for students and, 56
Christopher J. See Mummert L; Jones J; Christopher J: Alternative Use of an Oral Endotracheal Tube Fastener in a Patient with Junctional Epidermolysis Bollosa, 326
Clinical experiences: development of clinical sites for, 17
Clinical sites: development of, 17
Clinical trials: intraoperative difference between esophageal versus nasopharyngeal temperatures and the impact of prewarming, age, and weight, 99
Collins S. See Assante J; Collins S; Hewer I: Infection Associated with Single-Dose Dexamethasone for Prevention of Postoperative Nausea and Vomiting: A Literature Review, 281; Harless M; Depp C; Collins S; Hewer I: Role of esmolol in perioperative analgesia and anesthesia: a literature review, 167
Combat anesthesia: case report of gunshot wound and new trauma protocols, 247
Communication: HUDDLE (Healthcare Utilizing Deliberate Discussion Linking Events) in, 183; implementation of mass transfusion protocol in the outpatient operating room setting in, 196; information loss during transfer of care, 264; use of checklist in transfer of care, 264
Competency: recertification of professional nurse anesthetists, 7
Complementary and alternative medicine: acupuncture in, 289
Complications: forced air-warmers and, 237; improving success with GlideScope Video Laryngoscope, 389
Congenital malformations: identifying and managing the difficult, in the pediatric population, 35
Connelly CD. See Domen, R; Connelly, CD; Spence: Call-Shift Fatigue and Use of Countermeasures and Avoidance Strategies by Certified Registered Nurse Anesthetists: A National Survey, 123

Conner, M: Self-Efficacy, Stress, and Social Support in Retention of Student Registered Nurse Anesthetists, 133
Contractual obligations: noncompete clause and, 329
Core temperature: intraoperative difference between esophageal versus nasopharyngeal temperatures and the impact of prewarming, age, and weight and, 99
Corneal abrasion: elements for consideration in development of, 15
Coronary artery bypass and graphing (CABG): heparin-induced thrombocytopenia and, 116
Corticosteroids: infection associated with single-dose dexamethasone for prevention of postoperative nausea and vomiting, 281
Council on Accreditation of Nurse Anesthesia Educational Programs: development of clinical sites for education, 17
Countermeasures: call-shift fatigue and use of, 123
Criss JG. See Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91
Critical respiratory alarms: low-flow anesthesia, low fresh gas flow, and oxygen flush and, 200
Cross-sectional study: on postoperative variables in the post-anesthesia care unit, 417
Cuff pressure: identification of, by palpation of cuff balloon on endotracheal tube, 179

D

Dai F. See Robins H-M, and Dai F: Handoffs in the Postoperative Anesthesia Care Unit: Use of a Checklist for Transfer of Care, 198
Damage control resuscitation: forward surgical care and, 337
Deep vein thrombosis: venous thromboembolism and, 211
Deng F; Hickey JV: Anesthesia Information Management Systems: an Underutilized Tool for Outcomes Research, 189
Depp C. See Harless M; Depp C; Collins S; Hewer I: Role of Esmolol in Perioperative Analgesia and Anesthesia: A Literature Review, 167
Desai MS; Desai SP: Discovery of Modern Anesthesia: A Counterfactual Narrative about Crawford W. Long, Horace Wells, Charles T. Jackson, and William T. G. Morton, 410
Desai SP. See Desai MS; Desai SP: Discovery of Modern Anesthesia: A Counterfactual Narrative about Crawford W. Long, Horace Wells, Charles T. Jackson, and William T. G. Morton, 410
Dexamethasone: infection associated with single-dose, for prevention of postoperative nausea and vomiting, 281
Diaz V; Newman J: AANA Journal Course Update for Nurse Anesthetists: Part 6—Surgical Site Infection and Prevention Guidelines: a Primer for Certified Registered Nurse Anesthetists, 63
Direct laryngoscopy: successful, by student registered nurse anesthetists, 403
Disabato J. See Terry KL; Disabato, J; and Krajicek M: Snoring, Trouble Breathing, Un-Refreshed (STBUR) Screening Questionnaire to Reduce Perioperative Respiratory Adverse Events in Pediatric Surgical Patients: A Quality Improvement Project, 256
Disseminated intravascular coagulation: cesarean delivery resulting in emergency hysterectomy due to placenta accreta, 28
Domen, R; Connelly, CD; Spence: Call-Shift Fatigue and Use of Countermeasures and Avoidance Strategies by Certified Registered Nurse Anesthetists: A National Survey, 123

Dräger Primus ventilator: low-flow anesthesia, low fresh gas flow, and oxygen flush and, 200

Drugs: bicalirudin in off-pump coronary artery bypass graft in patient with heparin-induced thrombocytopenia, 116; neurocognitive effect of anesthetic, 139; review of interactions, for nonsteroidal anti-inflammatory drugs, 425; role of esmolol in perioperative analgesia, 167; surgical site infection and prevention guidelines for antibiotics, 63

Dumouchel M; Boytim M; Gorman N; Weismuller P: Does moral distress differ between California registered nurse anesthetists in independent versus medically supervised practice: an exploratory study, 203

E

Economic pressure: noncompetite clause and the nurse anesthetist, 329

Editorials. *See also* Guest Editorials: Recertifying the Professional Nurse Anesthetist, 7

Education: attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351; considerations before beginning graduate, 345; development of clinical sites, 17; student programs for China, 56

Eklund C. *See* Hedberg P; Eklund C; Högvist S: Identification of a very high cuff pressure by manual palpation of the external cuff balloon on an endotracheal tube, 179

Elevated Plus Maze (EPM): testing of Sprague Dawley rats on, 91

Elisha S; Heiner J; Nagelhout J; Gabot M: Venous Thromboembolism: New Concepts in Perioperative Management, 211

Endotracheal tubes: alternative use of oral fasteners, in patient with junctional epidermolysis bullosa, 326; identification of high cuff pressure by palpation of cuff balloon on, 179

Epidermolysis bullosa: alternative use of an oral endotracheal tube fastener in patient with junctional, 326

Erdling, A and Johansson, A: Core Temperature—The Intraoperative Difference Between Esophageal Versus Nasopharyngeal Temperatures and the Impact of Prewarming, Age, and Weight: A Randomized Clinical Trial., 99

Esmolol: role in perioperative analgesia and anesthesia: a literature review, 167

Esophageal perforation: difficult intubation resulting in surgical repair of, 21

Esophageal temperature: Intraoperative difference between nasopharyngeal temperatures and, 99

Ethics: study of moral distress in independent versus medically supervised practice in Certified Registered Nurse Anesthetists, 203

Evidence-based practice: considerations before beginning graduate education and, 345; Magaw, Alice, and, 50

Expiratory valve: malfunction of, during spontaneous ventilation, 400

Exploratory studies: moral distress between California Certified Registered Nurse Anesthetists in independent versus medically supervised practice, 162

F

Faircloth A: Acupuncture: history from the Yellow Emperor to Modern Anesthesia Practice, 289

Fire triangle: in prevention of surgical fires, 271

Fisher M: Prevention of Surgical Fires: A Certification Course for Healthcare Providers, 271

Forced-air warmers: in preventing and treating inadvertent perioperative hypothermia, 237

Forced Swim Test (FST): testing of Sprague Dawley rats on, 91

Forward surgical care: challenge of damage control resuscitation in, 337; gunshot wounds and, 247

France: educational programs for students in, 56

Fresh gas flow alarm: activation of, during low-flow anesthesia, 200

Fresh whole blood: far forward anesthesia and, 337

Fried, J. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley, 91

G

Gabot M. *See* Elisha S; Heiner J; Nagelhout J; Gabot M: Venous Thromboembolism: New Concepts in Perioperative Management, 211

Ganigara A. *See* Sanket B; Ramavakoda CY; Nishtala MR; Ravishankar CK; Ganigara A: A Comparison of Second-Generation Supraglottic Airway Devices (i-gel versus LMA ProSeal) During Elective Surgery in Children, 275

Gaskin D; Kroll NA; Ochs AA; Schreiber MA; Pandalai PK: Far Forward Anesthesia and Massive Blood Transfusion: Two Cases Revealing the Challenge of Damage Control Resuscitation in an Austere Environment, 337

Genetic malformations: identifying and managing the difficult, in the pediatric population, 35

Gibbons SW. *See* Wilson JT; Gibbons SW: and Wofford K: Process Improvement: Addressing Attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351

GlideScope Video Laryngoscope: improving success with, 389

Glymph, D. *See* Audette MD; and Glymph, DC: Bivalirudin in Off-Pump Coronary Artery Bypass Graft in a Patient with Heparin-Induced Thrombocytopenia: A Case Report of its Use, 116

Glymph DC; Olenick M; Barbera S; Brown; Prestianni L; Miller C: Healthcare Utilizing Deliberate Discussion Linking Events (HUDDLE): A Systematic Review, 183

Goode V: Alice Magaw: A Model for Evidence-Based Practice, 50

Gopalakrishna KN. *See* Vinay B; Gopalakrishna KN; Sriganesh K: Low-Flow Anesthesia, Low Fresh Gas Flow, and Oxygen Flush: an Interesting Interplay, 200

Gorman N. *See* Dumouchel M; Boytim M; Gorman N; Weismuller P: Does Moral Distress Differ between California Registered Nurse Anesthetists in Independent Versus Medically Supervised Practice: An Exploratory Study, 203

Graduate education: considerations before beginning, 345

Grichnik K. *See* Wastler KE; Grichnik K; Noeth T; Beck JE: Five Elements for Consideration in the Development of Corneal Abrasion Avoidance Protocols, 15

Guest Editorials: The Information Age and Hot Air, 237; The Preoperative Anesthesia Evaluation—Revisited, 83

Gunshot wounds: forward surgical care and, 247

H

Handoffs in the Postoperative Anesthesia Care Unit, 264

Hand washing: surgical site infection and prevention guidelines, 63

Harless M; Depp C; Collins S; Hewer I: Role of Esmolol in Perioperative Analgesia and Anesthesia: A Literature Review, 167

Hasfeldt D; Maindal HT; Toft P; Lauridsen JT; Birkelund R: Influence of Patients' "Sense of Coherence" on Main Postoperative Variables in the Postanesthesia Care Unit: A Cross-Sectional Study, 417

Healthcare providers: HUDDLE (Healthcare Utilizing Delib-

erate Discussion Linking Events) for, 183; prevention of surgical fires and, 271

Health Sciences Nurse Anesthesia Program: attrition from, 351

Hedberg P; Eklund C; Högqvist S: Identification of a Very High Cuff Pressure by Manual Palpation of the External Cuff Balloon on an Endotracheal Tube, 179

Heiner J. *See* Elisha S; Heiner J; Nagelhout J; Gabot M: Venous Thromboembolism: New Concepts in Perioperative Management, 211

Hemodynamic stability: implementation of mass transfusion protocol in the outpatient operating room setting, 196

Hemorrhage: cesarean delivery resulting in emergency hysterectomy due to placenta accreta, 28; implementation of mass transfusion protocol in the outpatient operating room setting, 196

Heparin-induced thrombocytopenia (HIT): case report of, 116

Hewer I. *See* Assante J; Collins S; Hewer I: Infection Associated with Single-Dose Dexamethasone for Prevention of Postoperative Nausea and Vomiting: A Literature Review, 281; Harless M; Depp C; Collins S; Hewer I: Role of esmolol in perioperative analgesia and anesthesia: a literature review, 167

Hickey JV. *See* Deng F: Anesthesia Information Management Systems: An Underutilized Tool for Outcomes Research, 189

Högqvist S. *See* Hedberg P; Eklund C; Högqvist S: Identification of a Very High Cuff Pressure by Manual Palpation of the External Cuff Balloon on an Endotracheal Tube, 179

Horowitz J. *See* Zambricki CS; Horowitz J; Blumenreich G; Fallacaro MD: Recertifying the Professional Nurse Anesthetist: A Call for National Dialogue, 7

HUDDLE (Healthcare Utilizing Deliberate Discussion Linking Events), 183

Hu J. *See* Wu J; Hu J; Ruan H: Educational Programs for Students: What Can China Learn from the United States, the United Kingdom, and France, 56

Humphrey J: Primary Cesarean Delivery Results in Emergency Hysterectomy Due to Placenta Accreta: A Case Study, 28

Hypopharyngeal perforation: difficult intubation resulting in surgical repair of, 21

Hypothermia: inadvertent perioperative, 237; surgical site infection and prevention guidelines, 63

Hysterectomy: cesarean delivery resulting in emergency due to placenta accreta, 28

I

i-gel: comparison of, with LMA ProSeal during elective surgery in children, 275

Imus FS and Burns S: What to Consider before Beginning Graduate Education: A Pilot Study, 345

Inadvertent perioperative hypothermia: forced-air warmers in preventing and treating, 237

Independent practice: study of moral distress in medical supervision versus in Certified Registered Nurse Anesthetists, 203

Information loss: during transfer of care, 264

Institute of Medicine: Magaw, Alice, and a model for evidence-based practice and, 50

Intraoperative hemorrhage: implementation of mass transfusion protocol in the outpatient operating room setting, 196

Intubation: alternative use of an oral endotracheal tube fastener in pediatric patient with junctional epidermolysis bullosa, 326; comparison of successful, 389; difficult, resulting in surgical repair of esophageal and Hypopharyngeal perforation, 21

In vivo administration: of Sugammadex sodium, 107

J

Jackson, Charles T.: discovery of modern anesthesia and, 410

Johannson, A. *See* Erdling, A and Johansson, A: Core temperature—the Intraoperative Difference between Esophageal Versus Nasopharyngeal Temperatures and the Impact of Prewarming, Age, and Weight: A Randomized Clinical Trial, 99

Johnson, D. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley, 91

Johnson AD. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91

Jones J. *See* Mummert L; Jones J; Christopher J: Alternative Use of an Oral Endotracheal Tube Fastener in a Patient with Junctional Epidermolysis Bullosa, 326

Jordan LM: AANA Foundation Malpractice Closed Claims Study: A Descriptive Analysis, 318

K

Kenner, C. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and antidepressant effects of asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91

Kossick M. *See* Belanger J; Kossick M: Methods of Identifying and Managing the Difficult Airway in the Pediatric Population, 35

Krajicek M. *See* Terry KL; Disabato, J; and Krajicek M: Snoring, Trouble Breathing, Un-Refreshed (STBUR) Screening Questionnaire to Reduce Perioperative Respiratory Adverse Events in Pediatric Surgical Patients: A Quality Improvement Project, 256

Krishna KNG. *See* Vinay B; Krishna KNG; Nitin M: Malfunction of the Expiratory Valve during Spontaneous Ventilation, 400

Kroll NA. *See* Gaskin D; Kroll NA; Ochs AA; Schreiber MA; Pandalai PK: Far Forward Anesthesia and Massive Blood Transfusion: Two Cases Revealing the Challenge of Damage Control Resuscitation in an Austere Environment, 337

L

Landmark nerve identification: ultrasound-guided ankle blocks in, 357

Lathrop, K. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91

Lauridsen JT. *See* Hasfeldt D; Maindal HT; Toft P; Lauridsen JT; Birkelund R: Influence of Patients' "Sense of Coherence" on Main Postoperative Variables in the Postanesthesia Care Unit: A Cross-Sectional Study, 417

Legal Briefs: Back to Basics: The Importance of Patient Respect, 312

Letters: ". . . to the Bottom of the Deep Blue CPC," 242; CPC: One Member's Perspective, 165; CPC: Take Care

When Interpreting the Evidence, 243; Five Elements for Consideration in the Development of Corneal Abrasion Avoidance Protocols, 15; NBCRNA Response to Zambricki et al Guest Editorial, 86; An Old Photograph Promotes the Certification of Graduates by Examination, 86; Shake Up in the Neostigmine Methylsulfate Cholinesterase Inhibitor Market for Neuromuscular Block Reversal, 240; Upcoming Book: Ira P. Gunn, 240

Linton, J. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley, 91

Literature review: Infection Associated with Single-Dose Dexamethasone for Prevention of Postoperative Nausea and Vomiting, 281; Role of Esmolol in Perioperative Analgesia and Anesthesia, 167

LMA ProSeal: comparison of, with i-gel during elective surgery in children, 275

Long, Crawford W.: discovery of modern anesthesia and, 410
Low-flow anesthesia, activation of fresh gas flow alarm during, 200

Lucia, A. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley rat, 91

M

Magaw, Alice: Model for Evidence-Based Practice and, 50

Maindal HT. *See* Hasfeldt D; Maindal HT; Toft P; Lauridsen JT; Birkelund R: Influence of Patients' "Sense of Coherence" on Main Postoperative Variables in the Postanesthesia Care Unit: A Cross-Sectional Study, 417

Malformation: identifying and managing the difficult airway in the pediatric population, 35

Malignant hyperthermia: anesthesia information management systems in reporting, 189

Manometers: identification of, by palpation of cuff balloon on endotracheal tube, 179

Mass transfusion protocol: implementation of, in the outpatient operating room setting, 196

Medical supervision: study of moral distress in independent versus in Certified Registered Nurse Anesthetists, 203

Mereroll BK; Apatov NM; Rutledge CM: The Noncomplete Clause and the Nurse Anesthetist: An Assessment of Knowledge, Perception, and Experience, 329

Metacognitive awareness: considerations before beginning graduate education, 345

Military health system: Attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351

Miller C. *See* Glymph DC; Olenick M; Barbera S; Brown; Presianni L; Miller C: Healthcare Utilizing Deliberate Discussion Linking Events (HUDDLE): A Systematic Review, 183

Minzola D. *See* Wands B; Minzola D: Comparison of Successful Intubation Between Video Laryngoscopy View Before Attempted Intubation and Direct Laryngoscopic Intubation by Student Registered Nurse Anesthetists: A Pilot Study

Moral distress: difference between California Certified Nurse Anesthetists in independent versus medically supervised practice, 203

Morton, W. T. G.: discovery of modern anesthesia and, 410

Mummert L; Jones J; Christopher J: Alternative Use of an Oral

Endotracheal Tube Fastener in a Patient with Junctional Epidermolysis Bollosa, 326

Music: in the operating room, 43

N

Nagelhout J. *See* Elisha S; Heiner J; Nagelhout J; Gabot M: Venous Thromboembolism: New Concepts in Perioperative Management, 211

Nasopharyngeal temperature: intraoperative difference between esophageal temperature and, 99

National Board of Certification and Recertification for Nurse anesthetists: Recertification of professional nurse anesthetists, 7

Nausea: infection associated with single-dose dexamethasone for prevention of in postoperative anesthesia care, 281

Nemec D; Austin PN; Silvestro LS: Methods to Improve Success with the GlideScope Video Laryngoscope, 389

Nerve identification: ultrasound-guided ankle blocks in landmark, 357

Neurocognitive effect: of anesthetic drugs, 139

Neurotoxicity: of anesthetic drugs, 139

Newman J. *See* Diaz V; Newman J: AANA Journal Course Update for Nurse Anesthetists: Part 6—Surgical Site Infection and Prevention Guidelines: a Primer for Certified Registered Nurse Anesthetists, 63

Nishtala MR. *See* Sanket B; Ramavakoda CY; Nishtala MR; Ravishankar CK; Ganigara A: A Comparison of Second-Generation Supraglottic Airway Devices (i-gel versus LMA ProSeal) During Elective Surgery in Children, 275

Nitin M. *See* Vinay B; Krishna KNG; Nitin M: Malfunction of the Expiratory Valve during Spontaneous Ventilation, 400

Noeth T. *See* Wastler KE; Grichnik K; Noeth T; Beck JE: Five Elements for Consideration in the Development of Corneal Abrasion Avoidance Protocols, 15

Noise: music in the operating room as, 43

Noncomplete clause: nurse anesthetist and, 329

Nonsteroidal anti-inflammatory drugs: review of, 425

Nurse anesthesia: educational programs for students in, 56; gunshot wounds and, 247; model for evidence-based practice and, 50

Nurse anesthetists: call-shift fatigue and use of countermeasures and avoidance strategies by certified, 123; development of clinical sites for, 17; noncomplete clause and, 329; recertification of, 7

O

Observational studies: anesthesia information management systems in, 189

Obstetric hemorrhage: cesarean delivery resulting in emergency hysterectomy due to placenta accreta, 28

Obstructive sleep apnea: STUBR (Snoring, Trouble Breathing, Un-Refreshed) Screening Questionnaire in Reducing Perioperative Respiratory Adverse Events in Pediatric Surgical Patients, 256

Ochs AA. *See* Gaskin D; Kroll NA; Ochs AA; Schreiber MA; Pandalai PK: Far Forward Anesthesia and Massive Blood Transfusion: Two Cases Revealing the Challenge of Damage Control Resuscitation in an Austere Environment, 337
Off-pump artery bypass and grafting: heparin-induced thrombocytopenia and, 116

Olenick M. *See* Glymph DC; Olenick M; Barbera S; Brown; Presianni L; Miller C: Healthcare Utilizing Deliberate Discussion Linking Events (HUDDLE): A Systematic Review, 183

Operating room: implementation of mass transfusion protocol in outpatient, 196; music in the, 43

Opioid sparing: role of esmolol in perioperative analgesia and anesthesia, 167
Oral endotracheal tube fastener: alternative use of, in patient with junctional epidermolysis bullosa, 326
Oriental medicine: history of acupuncture, 289
Outcomes research: anesthesia information management systems in, 189
Outpatient operating room setting: implementation of mass transfusion protocol in, 196
Oxygen flush, low-flow anesthesia, fresh gas flow alarm and, 200

P

Padron, G. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley, 91
Pandalai PK. *See* Gaskin D; Kroll NA; Ochs AA; Schreiber MA; Pandalai PK: Far Forward Anesthesia and Massive Blood Transfusion: Two Cases Revealing the Challenge of Damage Control Resuscitation in an Austere Environment, 337
Patient anxiety: Preoperation Anesthesia Evaluation-Revisited, 83
Patient confidence: Preoperation Anesthesia Evaluation-Revisited, 83
Patient respect: importance of, 312
Patient satisfaction: role of esmolol in, 167
Pediatric anesthesia: developing brain and, 139
Pediatric surgical patients: alternative use of an oral endotracheal tube fastener with junctional epidermolysis bullosa, 326; comparison of second-generation supraglottic airway devices during elective surgery, 275; identifying and managing difficult airway in, 35; STUBR (Snoring, Trouble Breathing, Un-Refreshed) screening questionnaire in reducing perioperative respiratory adverse events in, 256
Pedoto A. *See* Shambo L; Umadhay T; Pedoto A: Music in the Operating Room: Is it a Safety Hazard, 43
Pedron G. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91
Perioperative analgesia: role of esmolol in, 167
Perioperative management: venous thromboembolism in, 211
Perioperative respiratory adverse events: STUBR (Snoring, Trouble Breathing, Un-Refreshed) screening questionnaire in reducing, 256
Perkins AD. *See* Strube PD and Perkins AD: Combat Anesthesia: A Case Report of a Gunshot Wound and New Trauma Protocols, 247
Placenta accreta: Cesarean delivery resulting in emergency hysterectomy due to, 28
Pneumomediastinum: difficult intubation resulting in surgical repair of esophageal and hypopharyngeal perforation, 21
Postoperative anesthesia care: handoffs in the, 264; infection associated with single-dose dexamethasone for prevention of nausea in, 281
Preoperative assessment: Identifying and managing the difficult airway, in the pediatric population, 35; importance of individualizing, 83
Preoperative briefs: HUDDLE (Healthcare Utilizing Deliberate Discussion Linking Events) in, 183
Prestianni L. *See* Glymph DC; Olenick M; Barbera S; Brown; Prestianni L; Miller C: Healthcare Utilizing Deliberate Discus-

sion Linking Events (HUDDLE): A Systematic Review, 183
Prevention of surgical fires, 271
Prewarming: core temperature and, 99
Process improvement: addressing attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351
Pulmonary embolism: venous thromboembolism and, 211

Q

Quality control: elements for development of corneal abrasion, 15
Quality improvement: STUBR (Snoring, Trouble Breathing, Un-Refreshed) screening questionnaire in reducing perioperative respiratory adverse events in pediatric surgical patients, 256
Quirraishi JA: AANA Foundation Malpractice Closed Claims Study: A Descriptive Analysis, 318

R

Ramavakoda CY. *See* Sanket B; Ramavakoda CY; Nishtala MR; Ravishankar CK; Ganigara A: A Comparison of Second-Generation Supraglottic Airway Devices (i-gel versus LMA ProSeal) During Elective Surgery in Children, 275
Ravishankar CK. *See* Sanket B; Ramavakoda CY; Nishtala MR; Ganigara A: A Comparison of Second-Generation Supraglottic Airway Devices (i-gel versus LMA ProSeal) During Elective Surgery in Children, 275
Recertification: of professional nurse anesthetists, 7
Registered nurse anesthesia program: attrition from, 351
Research News: AANA Foundation Malpractice Closed Claims Study, 318
Restrictive covenants: noncompete clause and, 329
Retention: of student registered nurse anesthetists, 133
Risk factors: anesthesia information management systems and, 189
Robins H-M; Dai F: Handoffs in the Postoperative Anesthesia Care Unit: Use of a Checklist for Transfer of Care, 264
Robins H-M; Warner B: Implementation of Mass Transfusion Protocol in the Outpatient Operating Room Setting: A Case Study, 196
Ruan H. *See* Wu J; Hu J; Ruan H: Educational Programs for Students: What Can China Learn from the United States, the United Kingdom, and France, 56
Ruspantine P: The Preoperative Anesthesia Evaluation--Revisited, 83
Rutledge CM. *See* Mereroll BK; Apatov NM; Rutledge CM: The Noncompete Clause and the Nurse Anesthetist: An Assessment of Knowledge, Perception, and Experience, 329

S

Safety: HUDDLE (Healthcare Utilizing Deliberate Discussion Linking Events) in, 183; Magaw, Alice, and a model for evidence-based practice and, 50; music in the operating room and, 43
Sanket B; Ramavakoda CY; Nishtala MR; Ravishankar CK; Ganigara A: Comparison of Second-Generation Supraglottic Airway Devices (i-gel versus LMA ProSeal) During Elective Surgery in Children, 275
Schreiber MA. *See* Gaskin D; Kroll NA; Ochs AA; Schreiber MA; Pandalai PK: Far Forward Anesthesia and Massive Blood Transfusion: Two Cases Revealing the Challenge of Damage Control Resuscitation in an Austere Environment, 337
Second-generation supraglottic airway devices: comparison of, during elective surgery in children, 275
Self-efficacy: retention of student registered nurse anesthetists and, 133

- Sense of coherence: influence of patients' on postoperative variables in postanesthesia care unit, 417
- Shambo L; Umadhay T; Pedoto A: Music in the operating room: Is it a safety hazard, 43
- Silberman MJ: Back to Basics: The Importance of Patient Respect, 312
- Silvestro LS. *See* Nemeč D; Austin PN; Silvestro LS: Methods to Improve Success with the GlideScope Video Laryngoscope, 389
- Situational awareness: prevention of surgical fires and, 271
- Sleep-disordered breathing: STUBR (Snoring, Trouble Breathing, Un-Refreshed) screening questionnaire in reducing perioperative respiratory adverse events in pediatric surgical patients, 256
- Social support: retention of student registered nurse anesthetists and, 133
- Spence, D. *See* Domen, R; Connelly, CD; Spence: Call-Shift Fatigue and Use of Countermeasures and Avoidance Strategies by Certified Registered Nurse Anesthetists: A National Survey, 123
- Spontaneous ventilation: malfunction of the expiratory valve during, 400
- Sprague Dawley rat: evaluation of the anxiolytic and antidepressant effects of Asiatic acid, 91
- Sriganesh K. *See* Vinay B; Gopalakrishna KN; Sriganesh K: Low-Flow Anesthesia, Low Fresh Gas Flow, and Oxygen Flush: An Interesting Interplay, 200
- Stailey O. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91
- Stakeholder engagement: recertification of professional nurse anesthetists, 7
- STBUR (Snoring, Trouble Breathing, Un-Refreshed) Screening Questionnaire in reducing perioperative respiratory adverse events in pediatric surgical patients, 256
- Stress: retention of student registered nurse anesthetists and, 133
- Strube PD and Perkins AD: Combat Anesthesia: A Case Report of a Gunshot Wound and New Trauma Protocols, 247
- Student perceptions: considerations before beginning graduate education and, 345
- Student registered nurse anesthetists: successful intubation by, 403
- Sugammadex sodium: worldwide experience with, 107
- Supraglottic airway devices: comparison of second-generation, during elective surgery in children, 275
- Surgery: difficult intubation resulting in repair of esophageal and hypopharyngeal perforation, 21; music in the operating room, 43; prevention of fires in, 271; surgical site infection and prevention guidelines, 63
- Surgical Care Improvement Project: surgical site infection and prevention guidelines, 63
- Surgical site infections: associated with single-dose dexamethasone for prevention of postoperative nausea and vomiting, 281; role of forced-air warmers in causing, 237
- T**
- Taylor, A. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant Effects of Asiatic Acid, a Compound from Gotu Kola or Centella asiatica, in the Male Sprague Dawley, 91
- Team briefs: HUDDLE (Healthcare Utilizing Deliberate Discussion Linking Events) in, 183
- Terry KL; Disabato, J; and Krajček M: Snoring, Trouble Breathing, Un-Refreshed (STBUR) Screening Questionnaire to Reduce Perioperative Respiratory Adverse Events in Pediatric Surgical Patients: A Quality Improvement Project, 256
- Thrombocytopenia: case report of, heparin-induced, 116
- Thromboembolism: venous, 211
- Toft P. *See* Hasfeldt D; Maindal HT; Toft P; Lauridsen JT; Birkelund R: Influence of Patients' "Sense of Coherence" on Main Postoperative Variables in the Postanesthesia Care Unit: A Cross-Sectional Study, 417
- Tracheal mucosal injuries: identification of high cuff pressure by palpation of cuff balloon on endotracheal tube, 179
- Transfer of care: use of checklist for, 264
- Trauma: new protocols for gunshot wounds, 247
- U**
- Ultrasound-guided ankle blocks, 357
- Umadhay T. *See* Shambo L; Umadhay T; Pedoto A: Music in the Operating Room: Is it a Safety Hazard, 43
- Uniformed Services University: attrition from, 351
- United Kingdom: educational programs for students in, 56
- United States: educational programs for students in, 56
- V**
- Valdivieso, D. *See* Ceremuga, E; Valdivieso, D; Kenner, C; Lucia, A; Lathrop, K; Stailey, O; Bailey, H; Criss, J; Linton, J; Fried, J; Taylor, A; Padron, G; Johnson, D: Evaluation of the Anxiolytic and Antidepressant effects of Asiatic Acid, a Compound from Gotu Kola or Centella Asiatica, in the Male Sprague Dawley Rat, 91
- Variables in postanesthesia care unit, 417
- Venous thromboembolism: in antithrombotic therapy, 211
- Ventilation: malfunction of the expiratory valve during spontaneous, 400
- Video laryngoscopy: successful, by student registered nurse anesthetists, 389
- Vinay B; Gopalakrishna KN; Sriganesh K: Low-Flow Anesthesia, Low Fresh gas Flow, and Oxygen Flush: An Interesting Interplay, 200
- Vinay B; Krishna KNG; Nitin M: Malfunction of the Expiratory Valve during Spontaneous Ventilation, 400
- W**
- Wands B; Minzola D: Comparison of Successful Intubation Between Video Laryngoscopy View Before Attempted Intubation and Direct Laryngoscopic Intubation by Student Registered Nurse Anesthetists: A Pilot Study, 403
- Warner B. *See* Robins H-M; Warner B: Implementation of Mass Transfusion Protocol in the Outpatient Operating Room Setting: A Case Study, 196
- Wastler KE: Difficult Intubation Resulting in Surgical Repair of Esophageal and Hypopharyngeal Perforation, 21
- Wastler KE; Grichnik K; Noeth T; Beck JE: Five Elements for Consideration in the Development of Corneal Abrasion Avoidance Protocols, 15
- Weismuller P. *See* Dumouchel M; Boytim M; Gorman N; Weismuller P: Does Moral Distress Differ Between California Registered Nurse Anesthetists in Independent Versus Medically Supervised Practice: An Exploratory Study, 203
- Welliver, M; Cheek, D; Osterbrink, J; McDonough, J: Worldwide experience with Sugammadex Sodium: Implications for the United States, 107
- Wells, Horace, discovery of modern anesthesia and, 410

Wilson JT; Gibbons SW; and Wofford K: Process Improvement: Addressing Attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351

Wofford K. *See* Wilson JT; Gibbons SW; and Wofford K: Process Improvement: Addressing Attrition from the Uniformed Services University of the Health Sciences Nurse Anesthesia Program, 351

Wu J; Hu J; Ruan H: Educational Programs for Students: What Can China Learn from the United States, the United Kingdom, and France, 56

Z

Zambricki CS; Horowitz J; Blumenreich G; Fallacaro MD: Recertifying the Professional Nurse Anesthetist: a Call for National Dialogue, 7