

CONTENTS

EDITORIAL VIEWS

- Concerning the Ethics and Accuracy of Scientific Citations. 1
Julien F. Biebuyck

CLINICAL INVESTIGATIONS

- Pharmacodynamics of Propofol in Female Patients. 3
Jaap Vuyk, Frank H. M. Engbers, Harry J. M. Lemmens, Anton G. L. Burm, Arie A. Vletter, Marina P. R. R. Gladines, and James G. Bovill
- Central Temperature Changes Are Poorly Perceived during Epidural Anesthesia. 10
Beth Glosten, Daniel I. Sessler, Eveline A. M. Faure, Leah Karl, and Ronald A. Thisted
- The Influence of Atropine Dose on Recovery from Vecuronium-induced Neuromuscular Blockade. 17
Michel J. Baurain, Boris S. Dernovoi, Alain A. d'Hollander, and Luc Barvais
- Fifty Percent Nitrous Oxide Does Not Increase the Risk of Venous Air Embolism in Neurosurgical Patients Operated upon in the Sitting Position. 21
Thomas J. Losasso, Donald A. Muzzi, Niki M. Dietz, and Roy F. Cucchiara
- Errors in Thermodilution Cardiac Output Measurements Caused by Rapid Pulmonary Artery Temperature Decreases after Cardiopulmonary Bypass. 31
Michael G. Bazaral, John Petre, and Roberto Novoa
- The Role of Desmopressin Acetate in Patients Undergoing Coronary Artery Bypass Surgery: A Controlled Clinical Trial with Thromboelastographic Risk Stratification. 38
Paul D. Mongan and Michael P. Hosking
- The Risk of Myocardial Ischemia in Patients Receiving Desflurane *versus* Sufentanil Anesthesia for Coronary Artery Bypass Graft Surgery. 47
James D. Helman, Jacqueline M. Leung, Wayne H. Bellows, Nonato Pineda, Gary W. Roach, John D. Reeves III, John Howse, M. Terry McEnany, Dennis T. Mangano, and the S. P. I. Research Group
- Differences Between Aortic and Radial Artery Pressure Associated with Cardiopulmonary Bypass. 63
George F. Rich, Robert E. Lubanski, Jr., and Thomas M. McLoughlin

CONTENTS

(Continued from page 5)

- Relative Risk Analysis of Factors Associated with Difficult Intubation in Obstetric Anesthesia. 67
D. A. Roche, W. B. Murray, C. C. Rout, and E. Gouws
- LABORATORY INVESTIGATIONS**
- Influence of Lidocaine on Leukocyte Function in the Surgical Wound. 74
Anders S. Eriksson, Robert Sinclair, Jean Cassuto, and Peter Thomsen
- Brain Edema and Neurologic Status Following Head Trauma in the Rat: No Effect from Large Volumes of Isotonic or Hypertonic Intravenous Fluids, With or Without Glucose. 79
Yoram Shapira, Alan A. Artru, Shamay Cotev, Michael Muggia-Sulam, and Herbert R. Freund
- Temporary Cerebral Ischemia: Effects of Pentastarch or Albumin on Reperfusion Injury. 86
Randall M. Schell, Daniel J. Cole, Robert L. Schultz, and Terrill N. Osborne
- Effects of Aminophylline on Regional Diaphragmatic Shortening after Thoracotomy in the Awake Lamb. 93
David M. Polaner, William R. Kimball, Marie-Dominique Fratacci, John C. Wain, Antonio Torres, Robert M. Kacmarek, and Warren M. Zapol
- Which Vasopressor Should Be Used To Treat Hypotension during Magnesium Sulfate Infusion and Epidural Anesthesia? 101
Susan L. Sipes, David H. Chestnut, Robert D. Vincent, Jr., Craig S. DeBruyn, Shari A. Bleuer, and Papri Chatterjee
- Enflurane-induced Release of an Excitatory Amino Acid, Glutamate, from Mouse Brain Synaptosomes. 109
Takuji Hirose, Masafumi Inoue, Morio Uchida, and Chiyoko Inagaki
- The Effects of Volatile Anesthetics on Calcium Regulation by Malignant Hyperthermia-Susceptible Sarcoplasmic Reticulum. 114
Charles F. Louis, Kristine Zualkernan, Timothy Roghair, and James R. Mickelson
- Isoflurane Does Not Vasodilate Rat Thoracic Aortic Rings by Endothelium-derived Relaxing Factor or Other Cyclic GMP-Mediated Mechanisms. 126
John K. Brendel and Roger A. Johns

(Continued on page 9)

CONTENTS

(Continued from page 7)

- Electrophysiologic and Arrhythmogenic Effects of Bupivacaine: A Study with High-resolution Ventricular Epicardial Mapping in Rabbit Hearts. 132
Jean E. de La Coussaye, Josep Brugada, and Maurits A. Allesie

- Severe Hypoxia Enhances Central Nervous System and Cardiovascular Toxicity of Bupivacaine in Lightly Anesthetized Pigs. 142
J. E. Heavner, C. F. Dryden, Jr., V. Sanghani, G. Huemer, A. Bessire, and J. M. Badgwell

- Detection and Hemodynamic Consequences of Venous Air Embolism: Does Nitrous Oxide Make a Difference? 148
Thomas J. Losasso, Susan Black, Donald A. Muzzi, John D. Michenfelder, and Roy F. Cucchiara

- Elucidation of Dose-Effect Relationships for Different Opiate Effects Using Alfentanil in the Spontaneously Ventilating Rat. 153
Patrick K. Yang, Matthew B. Weinger, and S. Steven Negus

REVIEW ARTICLE

- Postoperative Nausea and Vomiting: Its Etiology, Treatment, and Prevention. 162
Mehernoor F. Watcha and Paul F. White

SPECIAL ARTICLE

- Trust, but Verify: The Accuracy of References in Four Anesthesia Journals. 185
M. Faith McLellan, L. Douglas Case, and Molly C. Barnett

LABORATORY REPORT

- A Comparison in a Lung Model of Low- and High-flow Regulators for Transtracheal Jet Ventilation. 189
Sheila D. Gaughan, George T. Ozaki, and Jonathan L. Benumof

CASE REPORTS

- Bilateral Dilated Nonreactive Pupils during Surgery in a Patient with Undiagnosed Pheochromocytoma. 200
Merlin D. Larson and William C. Herman

(Continued on page 11)

CONTENTS

(Continued from page 9)

Successful Cardiopulmonary Resuscitation of Two Patients in the Prone Position Using Reversed Precordial Compression.	202
<i>Wei-Zen Sun, Fan-Yen Huang, Kuo-Luon Kung, Shou-Zen Fan, and Ta-Liang Chen</i>	
Masseter Muscle Rigidity after Rapid-sequence Induction of Anesthesia.	205
<i>Mary L. Marohn and Ali H. Nagia</i>	
Intraoperative Awareness with Propofol-Oxygen Total Intravenous Anesthesia for Microlaryngeal Surgery.	207
<i>Jeffrey S. Kelly and Raymond C. Roy</i>	
CORRESPONDENCE	
The Evidence That a Serotonergic Mechanism Plays an Important Role in Cryogenic Brain Injury: Are the Results Conclusive?	210
<i>Yoram Shapira, Arthur M. Lam, and Edward G. Pavlin</i>	
Reply. <i>D. P. Archer and R. Priddy</i>	210
I. Factors Affecting Distribution of Catheter-injected Local Anesthetic.	211
<i>Amy Wendell and James P. Cianci</i>	
II. Factors Affecting Distribution of Catheter-injected Local Anesthetic.	212
<i>Ralph F. Erian</i>	
Reply. <i>Kenneth Drasner and Mark L. Rigler</i>	213
An Additional Concern with Respect to Patient-controlled Analgesia.	214
<i>Mathew Thran and David G. Silverman</i>	
Anterograde, Not Retrograde, Amnesia after Thiopental.	214
<i>Sujit K. Pandit</i>	
Reply. <i>M. M. Ghoneim and R. I. Block</i>	214
Amrinone in Patients Undergoing Cardiac Surgery.	215
<i>Kishor G. Lathi</i>	
Reply. <i>James M. Bailey, Jerrold H. Levy, Gary Rogers, Fania Szlam, and Carl C. Hug</i>	215
Spinal Nerve Root Is One of the Preferred Routes for Transfer of Drugs to the Nerve Roots and Spinal Cord from the Epidural Space.	216
<i>T. R. Shantha</i>	
Reply. <i>Christopher M. Bernards</i>	218

(Continued on page 13)

CONTENTS

(Continued from page 11)

Coronary Steal Models.	219
<i>Charles W. Buffington</i>	
Reply. <i>Davy Cheng, John Moyers, and John Tinker</i>	219
Lingual Nerve Injury.	220
<i>Joseph Mirenda</i>	
Perioperative Corneal Abrasions.	221
<i>John G. Brock-Utne, Gregory Botz, and Richard A. Jaffe</i>	
ADDENDUM	222
ERRATA	222

GUIDE FOR AUTHORS

The Guide for Authors is published in the January and July issues. It may be found on page 15A of this issue.

ANESAV is a code word ("coden") used by the Chemical Abstract Service to identify the journal.
