

CONTENTS

EDITORIAL VIEWS

- A Fresh Look at an Old Question. 1
Jay J. Williams and Bryan E. Marshall

ORIGINAL ARTICLES

- Effects of Hemorrhagic and Pharmacologic Hypotension on Cerebral Oxygen Utilization and Blood Flow. 3
Robert L. Grubb, Jr. and Marcus E. Raichle
- Carcinogen Bioassay of Enflurane in Mice. 9
Jeffrey M. Baden, Barbara Egbert, and Richard I. Mazze
- Hepatic Injury Following Halothane, Enflurane, and Isoflurane Anesthesia in Rats. 14
Marilyn H. Harper, Penelope Collins, Brynte Johnson, Edmond I. Eger II, and Claude Biava
- Potencies of Inhaled Anesthetics and Alcohol in Mice Selectively Bred for Resistance and Susceptibility to Nitrous Oxide Anesthesia. 18
Donald D. Koblin, Joan E. Deady, and Edmond I. Eger II
- Potencies of Convulsant Drugs in Mice Selectively Bred for Resistance and Susceptibility to Nitrous Oxide Anesthesia. 25
Donald D. Koblin, Brian O'Connor, Joan E. Deady, and Edmond I. Eger II
- Resetting of Baroreflex Sensitivity after Induced Hypotension. 29
Richard Y. Z. Chen, Richard S. Matteo, Foun-Chung Fan, George B. Schuessler, and Shu Chien
- Pharmacokinetics, Pharmacodynamics, and Dose-Response Relationships of Pancuronium in Control and Elderly Subjects. 36
P. Duvaldestin, J. Saada, J. L. Berger, A. D'Hollander, and J. M. Desmonts

MEDICAL INTELLIGENCE

- Temperature Correction of P_{CO_2} and pH in Estimating Acid-Base Status: An Example of the Emperor's New Clothes? 41
Allen K. Ream, Bruce A. Reitz, and Gerald Silverberg

CONTENTS

(Continued from page 3)

LABORATORY REPORTS

- Nitrous Oxide Decreases Motility of Human Neutrophils *In Vitro*. 45
J. F. Nunn and Ó'Moráin

CLINICAL REPORTS

- Position-Induced Horner's Syndrome. 49
Todd B. Jaffe and Charles H. McLesky
- The Duration of Effect of Maternally Administered Meperidine on Neonatal Neurobehavior. 51
Robert Hodgkinson and Farkhanda J. Husain
- Acute Tolerance to High-Dose Barbiturate Treatment in Patients with Severe Head Injuries. 53
Yusuke Sawada, Hisashi Sugimoto, Hisashi Kobayashi, Noriyoshi Ohashi, Toshiharu Yoshioka, and Tsuyoshi Sugimoto
- A New Improved Double-Lumen Tube Adaptor. 54
Henrik W. Andersen, George T. Ozaki, and Jonathan L. Benumof
- Increasing the Functional Gauge of the Side Port of Large Catheter Sheath Introducers. 57
Henrik W. Andersen, Jonathan L. Benumof, Frank R. Trousdale, and George T. Ozaki
- Endotracheal Tube Ignition during Laryngeal Surgery with Resectoscope. 60
Lucida Rita and Frank Seleny
- Development of Bronchial Obstruction with Secondary Lobar Emphysema during Anesthesia. 61
Fred J. Spielman, David H. Sprague, Elizabeth S. Mann, and Valerie S. Mandell
- Leukocyte Histamine Release to Thiopental. 64
Carol Ann Hirshman, James Peters, and Ian Cartwright-Lee
- Method of Ephedrine Administration and Nausea and Hypotension during Spinal Anesthesia for Cesarean Section. 68
Sanjay Datta, Milton H. Alper, Gerard W. Ostheimer, and Jess B. Weiss

(Continued on page 7)

CONTENTS

(Continued from page 5)

Assessment of Risk Factors Related to the Acid Aspiration Syndrome In Pediatric Patients—Gastric <i>p</i> H and Residual Volume.	70
<i>Charles J. Cole, Nishan G. Goudsouzian, Letty M. P. Liu, Daniel F. Dedrick, and Stanislaw K. Szyfelbein</i>	
Cardiac Arrest Associated with Tension Pneumocephalus.	73
<i>Somasundaram Thiagarajah, Elizabeth A. M. Frost, Tarlochan Singh, and Kenneth Shulman</i>	
CORRESPONDENCE	
Asymptomatic Smokers: ASA I or II?	76
<i>Joseph Bayes</i>	
BOOK REVIEWS	77
CLASSIFIED AD SECTION	35
INDEX TO ADVERTISERS	82

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. It may be found on page 10A of this issue.

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