

CONTENTS

EDITORIAL VIEWS

- Who Speaks for Anesthesiology? *E. S. Siger* 477

ORIGINAL ARTICLES

- Fluroxene Toxicity in Mice. *H. F. Cascorbi and A. V. Singh-Amaranath* 480
- Effects of Inhalation Anesthetics on Hepatic Glucuronide Conjugation: A Study of the Rat *in Vitro*. *Burnell R. Brown, Jr.* 483
- The Metabolic Effects of Halothane on Mammalian Hepatoma Cells *in Vitro*: Inhibition of Cell Replication. *Stephen H. Jackson* 489
- Intravascular Lidocaine Compartment: Kinetics of Bolus Injection. *Rudolph H. de Jong, James E. Heavner, and Luiz de Oliveira* 493
- Mechanical Ventilation of Newborn Infants: II. Effects of Independent Variation of Rate and Pressure on Arterial Oxygenation of Infants with Respiratory Distress Syndrome. *Penelope Cave Smith, Elisabeth Schach, and William J. R. Daily* 498
- Comparative Antagonism of *d*-Tubocurarine, Gallamine-, and Pancuronium-induced Neuromuscular Blockades by Neostigmine. *Ronald D. Miller, C. Philip Larson, Jr., and Walter L. Way* 503
- Halothane, Hypocapnia, and Cerebrospinal Fluid Pressure in Neurosurgery. *Robert W. Adams, Gerald A. Gronert, Thoralf M. Sundt, Jr., and John D. Michenfelder* 510
- End-expiratory Pressure in Dogs with Pulmonary Edema Breathing Spontaneously. *Don F. Lyons and Frederick W. Cheney, Jr.* 518
- Diazepam Treatment of Local Anesthetic-induced Seizures. *Edwin S. Munson and Irving H. Wagman* 523
- Antiarrhythmic Effects of Droperidol. *L. Bertoló, L. Novaković, and M. Penna* 529
- Reduction of the Psychotomimetic and Circulatory Side-effects of Ketamine by Droperidol. *L. Becsey, S. Malamed, P. Radnay, and F. F. Foldes* 536

MEDICAL INTELLIGENCE

- The Relationship of Epidural Anesthesia to Neural Membranes and Arachnoid Villi. *T. R. Shantha and J. A. Evans* 543

(Continued on page 4)

(Continued from page 2)

CONTENTS

CLINICAL WORKSHOP

An Unusual Cause of Sudden Complete Airway Obstruction. <i>P. J. Janssen</i>	558
Unusual Failure of an Oxygen Flowmeter. <i>Charles G. Battig</i>	561
Prolonged Intraoperative Bleeding Caused by Propylthiouracil-induced Hypoprothrombinemia. <i>Alexander W. Gotta, Colleen A. Sullivan, John Seaman, and Brunet Jean-Gilles</i>	562
General Anesthesia for Bronchofiberscopy. <i>Ashiq H. Tahir</i>	564

CORRESPONDENCE

Controlling Relative Humidity. <i>C. A. Sara and C. A. Shanks</i> , 567; <i>Jack Chalon</i> , 567	567
Experience Using the F. & P. Humidifier for Pediatric Patients. <i>G. C. Fisk and J. B. Vonwiller</i>	568
The Advantages of Giving <i>d</i> -Tubocurarine before Succinylcholine. <i>Ronald D. Miller</i>	568
Measuring Cerebral Blood Flow by the Nitrous Oxide Method. <i>Shigemasa Ikeda</i> , 569; <i>Allan L. Smith and Harry Wollman</i> , 570	568

Thiopental and the Fetal Liver. <i>G. J. B. Robinson</i> , 570; <i>M. Finster, H. O. Morishima, L. C. Mark, J. M. Perel, P. G. Dayton, and L. S. James</i> , 571	570
--	-----

LITERATURE BRIEFS. *Myron B. Laver, Editor*

Neonatology, 488—CNS Function, 497—Respiration, 517, 528	528
--	-----

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. Authors unable to consult these issues may obtain copies from the Editor-in-Chief, Arthur S. Keats, M.D., Baylor College of Medicine, 1200 M. D. Anderson Blvd., Houston, Texas 77025.