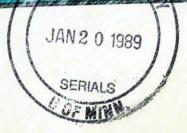


January 1989

ANESAV ISSN 0003-3022

Anesthesiology



The Journal of

The American Society of Anesthesiologists, Inc.

Volume 70

Number 1

Apple Inc.

Complete Contents Pages 3, 5, 7, 9, and 11

Find authenticated court documents without watermarks at docketalarm.com.

Anesthesiology

THE JOURNAL OF THE AMERICAN SOCIETY OF ANESTHESIOLOGISTS, INC.

Editor-in-Chief

LAWRENCE J. SAIDMAN, M.D., San Diego, California

Editors

Julien F. Biebuyck, M.B., D.Phil. Hershey, Pennsylvania John J. Downes, M.D. Philadelphia, Pennsylvania H. Barrie Fairley, M.B., B.S. Stanford, California Simon Gelman, M.D., Ph.D. Birmingham, Alabama Carol A. Hirshman, M.D. Baltimore, Maryland Warren M. Zapol, M.D., Boston, Massachusetts

David E. Longnecker, M.D. Philadelphia, Pennsylvania Dennis T. Mangano, Ph.D., M.D. San Francisco, California Kai Rehder, M.D. Rochester, Minnesota Donald R. Stanski, M.D. Stanford, California Michael M. Todd, M.D. Iowa City, Iowa

Associate Editors

Charles W. Buffington, M.D. Pittsburgh, Pennsylvania David H. Chestnut, M.D. Iowa City, Iowa Jeffrey B. Cooper, Ph.D. Boston, Massachusetts Dennis M. Fisher, M.D. San Francisco, California Thomas F. Hornbein, M.D. Seattle, Washington

Carl Lynch III, M.D., Ph.D. Charlottesville, Virginia Mervyn Maze, M.B., Ch.B. Stanford, California Henry Rosenberg, M.D. Philadelphia, Pennsylvania Gary R. Strichartz, Ph.D. Boston, Massachusetts Tony L. Yaksh, Ph.D. San Diego, California

Manuscripts for publication, correspondence relating to editorial management, and Letters to the Editor should be mailed to Lawrence J. Saidman, M.D., Anesthesiology, T-015, University of California-San Diego, San Diego, California 92093. Books for review should be mailed to John J. Downes, M.D., Department of Anesthesia, The Children's Hospital of Philadelphia, One Children's Plaza, 34th Street and Civic Center Boulevard, Philadelphia, PA 19104.

All articles are accepted for publication with the understanding that they are contributed exclusively to this Journal and become the property of the American Society of Anesthesiologists, Inc. Statements or opinions expressed in the Journal reflect the views of the author(s) and do not represent official policy of the American Society of Anesthesiologists unless so stated.

For details and recommendations concerning the preparation of manuscripts see GUIDE FOR AUTHORS, which appears in the January

Advertising and related correspondence should be addressed to Advertising Manager, ANESTHESIOLOGY, J. B. Lippincott Company, and July issues. East Washington Square, Philadelphia, Pa. 19105. Publication of an advertisement in ANESTHESIOLOGY does not constitute endorsement by ANESTHESIOLOGY of the product described therein or of any representations made by the advertiser with respect to the product.

ANESTHESIOLOGY (ISSN 0003-3022) is published 13 times a year (monthly except September, in which two issues are published) for the American Society of Anesthesiologists, Inc., by J. B. Lippincott Company, at Downsville Pike, Route 3, Box 20-B, Hagerstown, MD 21740. Business offices are located at East Washington Square, Philadelphia, PA 19105. Printed in the U. S. A. © Copyright 1989 by the American Society of Anesthesiologists, Inc. Second class postage paid at Hagerstown, MD, and at additional mailing offices. Notice of Change of Address: All correspondence related to membership and change of address should be mailed to the Executive Secretary, American Society of Anesthesiologists, 515 Busse Highway, Park Ridge, Illinois 60068. Correspondence regarding nonmember Secretary, American Society of Anesthesiologists, 919 base frightnay, 7 and Kloge, finitois 00000. Correspondence regarding nonmember subscriptions should be sent to Journal Fulfillment Department, Lippincott/Harper, Downsville Pike, Route 3, Box 20-B, Hagerstown, Maryland 21740, or call 1-800-638-3030; in Maryland, call collect 301-824-7300. Correspondence regarding nonmember subscriptions in Japan, including inquiries about subscription rates and subscription orders, should be sent to Woodbell Incorporated, 4-22-11, Kitakasai, Edogawaku, Tokyo 134, Japan. In India, Nepal, Bangladesh, and Sri Lanka contact Universal Subscription Agency Pvt. Ltd., 101-102

Community Centre (F.F.) Saket, New Delhi-110017, India. Annual subscription rates: U. S. \$40.00 individual, \$50.00 institution; all other countries except Japan, India, Nepal, Bangladesh, and Sri Lanka, \$75.00 individual, \$85.00 institution. Single copies \$8.00. Rates for air mail delivery available upon request.

If the Society Office or the Publisher receives a request for replacement within 60 days of the mailing in the U. S. or within 90 days in all other countries and the original issue is returned by the postal service as undeliverable, the issue will be replaced.

all other countries and the original issue is returned by the postal service as underverable, the issue will be replaced. **POSTMASTER:** Send address changes to Anesthesiology, Downsville Pike, Route 3, Box 20-B, Hagerstown, MD 21740. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by The American Society of Anesthesiologists for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional American Society of Anesthesiologists for libraries and other data was \$00.05 per page is paid directly to CCC, 21 Congress St., Salem, Reporting Service, provided that the base fee of \$00.80 per copy, plus \$00.05 per page is paid directly to CCC, 21 Congress St., Salem,

Find authenticated court documents without watermarks at docketalarm.com.

<u>Anesthesiology</u> January 1989

DOCKET

Δ

CONTENTS

EDITORIAL VIEWS	
A Change in Format for ANESTHESIOLOGY. Lawrence J. Saidman	1
Changing Perspectives in Monitoring Oxygenation.	2
H. Barrie Fairley Studies in Animals Should Precede Human Use of Spinally Administered Dru Tony L. Yaksh and J. G. Collins	gs. 4
CLINICAL INVESTIGATIONS	
 The Influence of Renal Failure on the Pharmacokinetics and Duration of Are Pipecuronium Bromide in Patients Anesthetized with Halothane and Oxide. James E. Caldwell, P. Claver Canfell, Kay P. Castagnoli, Daniel P. Lynam, I Fahey, Dennis M. Fisher, and Ronald D. Miller 	7 Mark R.
Effect of Intercostal Nerve Blockade on Respiratory Mechanics and CO ₂ Che sitivity at Rest and Exercise. Bernice R. Hecker, Robert Bjurstrom, and Robert B. Schoene	emosen- 13
Comparison of Hemodynamic, Electrocardiographic, Mechanical, and Metab dicators of Intraoperative Myocardial Ischemia in Vascular Surgical Patier Coronary Artery Disease. Sören Häggmark, Per Hohner, Margareta Östman, Arnold Friedman, George D Edward Lowenstein, and Sebastian Reiz	19
Induction of Anesthesia with Small Doses of Sufentanil or Fentanyl: Dose Vers Response, Speed of Onset, and Thiopental Requirement.	us EEG 26
 T. Andrew Bowdle and Richard J. Ward The Dose-Response Relationship of Mivacurium Chloride in Humans during Oxide-Fentanyl or Nitrous Oxide-Enflurane Anesthesia. James E. Caldwell, John B. Kitts, Tom Heier, Mark R. Fahey, Daniel P. Lyne Ronald D. Miller 	
Transurethral Resection of the Prostate, Serum Glycine Levels, and Ocular Potentials. Janice Mei-Li Wang, Donnell J. Creel, and K. C. Wong	Evoked 36
Janice Mei-Li Wang, Donneu J. Cross, and (1	Continued on page 5)

LARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKE.

A

R

Μ

Α

CONTENTS

(0	Continued from pa	age 3)
Lower Esophageal Contractility Predicts Movement during Skin Incision in Patier Anesthetized with Halothane, but Not with Nitrous Oxide and Alfentanil.		- 5.I - 5.C
Daniel I. Sessler, Randi Støen, Christine I. Olofsson, and Franklin Chow		
Determination of Intra-abdominal Pressure Using a Transurethral Bladder Cathet Clinical Validation of the Technique.	ter: 47	
Thomas J. Iberti, Charles E. Lieber, and Ernest Benjamin		
LABORATORY INVESTIGATIONS		
Epidural Clonidine Analgesia in Obstetrics: Sheep Studies.	51	
James C. Eisenach, Maria I. Castro, David M. Dewan, and James C. Rose		
The Enhancement of Proton/Hydroxyl Flow across Lipid Vesicles by Inhalation A esthetics.	An- 57	
Douglas E. Raines and David S. Cafiso		
The Influence of Dextrose Administration on Neurologic Outcome after Tempora Spinal Cord Ischemia in the Rabbit.	ary 64	
John C. Drummond and Suzanne S. Moore		
Tachyphylaxis to Local Anesthetics Does Not Result from Reduced Drug Effectiven at the Nerve Itself.	ress 71	
Peter Lipfert, Holger Holthusen, and Joachim O. Arndt		
Comparison of the Effects of Halothane on Skinned Myocardial Fibers from Newbo and Adult Rabbit. I. Effects on Contractile Proteins.	orn 76	
Elliot J. Krane and Judy Y. Su		
Regional Differences in Left Ventricular Wall Motion in the Anesthetized Dog.	82	
Johan Diedericks, Bruce J. Leone, and Pierre Foëx		
Effects of "Nitrendipine" on Nitrous Oxide Anesthesia, Tolerance, and Physical I pendence.	De- 91	
S. J. Dolin and H. J. Little		
MEDICAL INTELLIGENCE ARTICLE		
Pulse Oximetry. Kevin K. Tremper and Steven J. Barker	98	-

Find authenticated court documents without watermarks at docketalarm.com.

(Continued on page 7)

January 1989—ANESTHESIOLOGY

CONTENTS

(Continued from page 5)

LABORATORY REPORTS

Laudanosine Does Not Displace Receptor-specific Ligands from the Benzodiazepinergic or Muscarinic Receptors.	109
Yeshayahu Katz and Moshe Gavish	
Effects of Methemoglobinemia on Pulse Oximetry and Mixed Venous Oximetry. Steven J. Barker, Kevin K. Tremper, and John Hyatt	112
 Hyperbilirubinemia Does Not Interfere with Hemoglobin Saturation Measured by Pulse Oximetry. Francis Veyckemans, Philippe Baele, J. E. Guillaume, Eric Willems, Annie Robert, and 	118
Thierry Clerbaux Evaluation of a Blood Gas and Chemistry Monitor for Use during Surgery.	123
G. Bashein, Wesley K. Greydanus, and Margaret A. Kenny	
A Model for Determining the Influence of Hepatic Uptake of Nondepolarizing Muscle Relaxants in the Pig. Johann Motsch, Pim J. Hennis, Franz Alto Zimmermann, and Sandor Agoston	128
Johann Motsch, Pim J. Hennis, Franz Line Lander Lander Grand Cardiac Output Measure- ment. Jerome H. Abrams, Roland E. Weber, and Kenneth D. Holmen	134
CASE REPORTS	
 Management of Acute Elevation of Intracranial Pressure during Hepatic Transplantation. D. Brajtbord, R. I. Parks, M. A. Ramsay, A. W. Paulsen, T. R. Valek, T. H. Swygert, and G. B. Klintmalm 	139
Treatment of Isorhythmic A-V Dissociation during General Anesthesia with Propran- olol. Russell F. Hill	141
Fiberoptic Endobronchial Intubation for Resection of an Anterior Mediastinal Mass. Dirk Younker, Randall Clark, and Lewis Coveler	144
Postpartum Seizure after Epidural Blood Patch and Intravenous Caffeine Sodium Ben-	146
zoate. Vincent E. Bolton, Craig H. Leicht, and Thomas S. Scanlon (Continued of	on page 9)
	the state of the s

DOCKET A L A R M



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.