

# ARCHIVES

---

OF

# SURGERY

---

VOL 130 NO. 5, MAY 1995

Presented at the 1994 Annual Scientific  
Session of the Western Surgical Association,  
Palm Desert, Calif, November 14-16, 1994

---

Presidential Address

**The Integration of Clinical Care  
and Laboratory Research:  
A Model for Medical Progress** 461  
Basil A. Pruitt, Jr, MD

---

Papers

**Emergency Shunt: Role in the Present  
Management of Variceal Bleeding** 472  
Layton F. Rikkers, MD, Gongliang Jin, MD

**Pediatric Grease Burn Injury** 478  
Joseph T. Murphy, MD; Gary F. Purdue, MD;  
John L. Hunt, MD

**Should All In Situ Saphenous Vein  
Bypasses Undergo Permanent  
Duplex Surveillance?** 483  
Chittur R. Mohan, MD; Jamal J. Hoballah, MD;  
Michael T. Schuuppert, MD; William J. Sharp, MD;  
Timothy F. Kresowik, MD; Edwin V. Miller, RVT;  
John D. Corson, MB, ChB, FRCS

**A Comparison of Laparoscopic  
and Open Adrenalectomies** 489  
Richard A. Prinz, MD

**Timing of Laparoscopic Surgery  
in Gallstone Pancreatitis** 496  
Eddie Tang, MD; Steven C. Stain, MD;  
Gordon Tang, MD; Eduardo Froes, MD;  
Thomas V. Berne, MD

**Analysis of Morbidity and Mortality  
in 227 Cases of Esophageal Atresia and/or  
Tracheoesophageal Fistula Over Two Decades** 502  
Scott A. Engum, MD; Jay L. Grosfeld, MD;  
Karen W. West, MD; Frederick J. Rescorla, MD;  
L. R. Tres Scherer III, MD

**Invited Commentary** 509  
R. Peter Altman, MD

**Computerized Breast Cancer Diagnosis  
and Prognosis From Fine-Needle Aspirates** 511  
William H. Wolberg, MD; W. Nick Street, PhD;  
Dennis M. Heisey, PhD; Olvi L. Mangasarian, PhD

**Determination of Brain Death With Use  
of Color Duplex Scanning in the  
Intensive Care Unit Setting** 517  
Gary W. Lemmon, MD; Randall W. Franz, MD;  
Nancy Roy, RVT; Mary C. McCarthy, MD;  
James B. Peoples, MD

**Tube Thoracostomy:  
Factors Related to Complications** 521  
Steven W. Etoch, MD; Marcos F. Bar-Natan, MD;  
Frank B. Miller, MD; J. David Richardson, MD

---

## American Medical Association

Physicians dedicated to the health of America



Copyright 1995 by the American Medical Association. All rights reserved.  
Reproduction without permission is prohibited.

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.

**James S. Todd, MD**  
Executive Vice President  
**Kenneth E. Monroe**  
Deputy Executive Vice President  
**Larry E. Joyce**  
President, Publishing  
and Multimedia Development  
**George D. Lundberg, MD**  
Editor-in-Chief, Scientific  
Publications  
**Robert L. Kennett**  
Vice President, Publishing  
**Michael D. Springer**  
Publisher  
**Nawin Gupta, PhD**  
Director, Publishing Operations  
Division  
**Cheryl Iverson**  
Director, Editorial Processing  
Division

**Peter L. Payerli**  
Director, Advertising Sales  
**Geoffrey A. Flick**  
Manager, Marketing Services

**Advertising Offices: East:** Phillip B. Altamore, Donald M. Blatherwick, John L. Reeves, 600 Third Ave, Suite 3700, New York, NY 10016 (212) 867-6640. **Diagnostics/Devices:** M. J. Mrvica Associates, 155 S White Horse Pike, Berlin, NJ 08009 (609) 768-9360. **Midwest/Far West:** John P. Cahill, 515 N State St, Chicago, IL 60610 (312) 464-2470. **AMA Physician Recruitment Advertising Department:** Carri Lynch, Supervisor, 800-262-2260.

<b>Surgical Treatment of Recurrent Pyogenic Cholangitis</b>	<b>527</b>	<b>Chronic Aseptic Spontaneous Pneumoperitoneum Without a Serious Complication in 8 Years</b>	<b>557</b>
<i>Steven C. Stain, MD; Raffaello Incarbone, MD; Carol R. Guthrie, MD; Philip W. Ralls, MD; Salvador Rivera-Lara, MD; Dilip Parekh, MD; Albert E. Yellin, MD</i>		<i>W. L. DeGinder, MD, FACR; Michael Nacol, MD; Jack L. Walzel, MD</i>	
<hr/>			
<b>Enterostomy and Its Closure in Newborns</b>	<b>534</b>	<i>Correspondence and Brief Communications</i>	
<i>Thomas R. Weber, MD; Thomas F. Tracy, Jr, MD; Mark L. Silen, MD; Mary Anne Powell, RN, MSN</i>		<b>Improved Survival After Intraoperative Cardiac Arrest in Noncardiac Surgical Patients</b>	<b>560</b>
<i>Antonio Boba, MD</i>		<b>Treatment of Burned Mice With Hyperbaric Oxygen Reduces Mesenteric Bacteria but Not Pulmonary Neutrophil Deposition</b>	<b>560</b>
<b>Subtotal Parathyroidectomy in Dialysis-Dependent and Post-Renal Transplant Patients: A 25-Year Single-Center Experience</b>	<b>538</b>	<i>Warren L. Garner, MD</i>	
<i>Jeffrey D. Punch, MD; Norman W. Thompson, MD; Robert M. Merion, MD</i>		<b>In Reply</b>	<b>560</b>
<b>Increases in Intra-abdominal Pressure Affect Pulmonary Compliance</b>	<b>544</b>	<i>John F. Hansbrough, MD</i>	
<i>Farouck Obeid, MD; Amer Saba, MD; John Fath, MD, MPH; Benjamin Guslits, MD, FRCP(C); Ray Chung, MD; Victor Sorensen, MD; Joseph Buck, MD; H. Mathilda Horst, MD</i>		<hr/>	
<i>Clinical Observations</i>			
<b>Transfemoral, Endovascular Stented Graft Repair of an Abdominal Aortic Aneurysm</b>	<b>549</b>	<i>Book Reviews</i>	
<i>Juan C. Parodi, MD; Michael L. Marin, MD; Frank J. Veith, MD</i>		<b>Fundamental Skills in Surgery</b>	<b>561</b>
<b>A Critical Review of the Couinaud Technique of Hepatic Resection</b>	<b>553</b>	<i>William L. Weaver, MD</i>	
<i>Errington C. Thompson, MD; Jonathan F. Grier, MD; Charles F. Gholson, MD; John C. McDonald, MD</i>		<b>Operative Colorectal Surgery</b>	<b>561</b>
		<i>Stanley M. Goldberg, MD</i>	
<hr/>			
<i>Departments</i>			
		<b>Calendar</b>	<b>459</b>
		<b>Surgical Anatomy</b>	<b>488</b>
		<b>Physician Recruitment Advertising</b>	<b>562</b>
		<b>Instructions for Authors—</b>	
		<b>See April 1995 issue, page 349.</b>	
		<b>Structured Abstract Instructions—</b>	
		<b>See April 1995 issue, page 351.</b>	

# ARCHIVES

---

# SURGERY

**Editor:**  
**Claude H. Organ, Jr, MD**  
 University of California—Davis,  
 East Bay  
 1411 E 31st St  
 Oakland, CA 94602

**Associate Editor:**  
**Patrick L. Twomey, MD**  
 Martinez, Calif

**Consulting Editor:**  
**Thomas K. Hunt, MD**  
 San Francisco, Calif

**Consultant in Surgical History:**  
**Ira M. Rutkow, MD, MPH, DrPH**  
 Freehold, NJ

**Editorial Assistant:**  
**Margaret M. Kosiba**  
 Oakland, Calif

**Editorial Board**

**Nancy L. Ascher, MD, PhD**  
 San Francisco, Calif

**Clyde F. Barker, MD**  
 Philadelphia, Pa

**Robert W. Beart, Jr, MD**  
 Los Angeles, Calif

**Irshad H. Chaudry, PhD**  
 East Lansing, Mich

**Laurence Y. Cheung, MD**  
 Kansas City, Kan

**Karen E. Deveney, MD**  
 Portland, Ore

**Donald S. Gann, MD**  
 Baltimore, Md

**Lazar J. Greenfield, MD**  
 Ann Arbor, Mich

**Alden H. Harken, MD**  
 Denver, Colo

**J. Michael Henderson, MD**  
 Cleveland, Ohio

**Joseph A. Ignatius, MD**  
 San Francisco, Calif

**Danny O. Jacobs, MD, MPH**  
 Boston, Mass

**Donald L. Kaminski, MD**  
 St Louis, Mo

**Stephen F. Lowry, MD**  
 New York, NY

**Ronald V. Maier, MD**  
 Seattle, Wash

**Thomas A. Mustoe, MD**  
 Chicago, Ill

**Gerald W. Poskin, MD**  
 Oakland, Calif

**Charles L. Rice, MD**  
 Chicago, Ill

**Bruce E. Stabile, MD**  
 San Diego, Calif

**Donald D. Trunkey, MD**  
 Portland, Ore

**Andrew L. Warshaw, MD**  
 Boston, Mass

**Lester F. Williams, Jr, MD**  
 Nashville, Tenn

**International Advisory Board**

**P. C. Bommman, MB, ChB, MMed (Surg)**  
 Cape Town, South Africa

**Gordon J. A. Clunie, MD, ChB, ChM**  
 Melbourne, Australia

**Ch. Herfarth, MD**  
 Heidelberg, Germany

**Graham L. Hill, MD, ChM, FRACS, FRCS**  
 Auckland, New Zealand

**Kazutomo Inoue, MD**  
 Kyoto, Japan

**Raj Mohan Nambiar, MBBS**  
 Singapore

**Hector Orozco, MD**  
 Mexico City, Mexico

**Professor Sir Robert Shields, DL, MD, DSc**  
 Liverpool, England