

EDITORIAL

Peer and/or Peerless Review:

- Some Vagaries of the Editorial Process** 885
Arthur E. Baue, MD, St Louis

ORIGINAL ARTICLES

- Stratified Outcome Comparison of Clindamycin-Gentamicin vs Chloramphenicol-Gentamicin for Treatment of Intra-abdominal Sepsis** 889

E. Stan Lennard, MD, ScD; Barbara H. Minshew, PhD; E. Patchen Dellinger, MD; Margaret J. Wertz, MN, RN; David M. Heimbach, MD; George W. Counts, MD; Fritz D. Schoenknecht, MD; Marie B. Coyle, PhD, Seattle

No differences in outcome were detected in patients treated with these drugs.

Editorial Comment by Richard L. Simmons, MD, Minneapolis

- Pancreatic Cancer: Adjuvant Combined Radiation and Chemotherapy Following Curative Resection** 899

Martin H. Kalsner, MD, Miami, Susan S. Ellenberg, PhD, Potomac, Md

Median survival was significantly longer in patients with carcinoma of the pancreas who had resection combined with radiotherapy and chemotherapy vs those with no adjuvant treatment.

- The Sensitivity of Hepatobiliary Imaging and Real-time Ultrasonography in the Detection of Acute Cholecystitis** 904

Darlene Fink-Bennett, MD; John E. Freitas, MD; Shawn D. Ripley, MD; Robert L. Bree, MD, Royal Oak, Mich

Hepatobiliary imaging was more accurate than ultrasound in diagnosing acute cholecystitis.

- Why Do Patients With Postsurgical Acute Tubular Necrosis Die?** 907

Steven J. Mentzer, MD, Boston; David S. Fryd, PhD, Carl M. Kjellstrand, MD, Minneapolis

There is no difference in morbidity or mortality in patients who develop acute tubular necrosis after renal transplantation as compared with those who do not.

The ARCHIVES OF SURGERY (ISSN 0004-0010) is published monthly by the American Medical Association, 535 N Dearborn St, Chicago, IL 60610, and is an official publication of the Association. Second-class postage paid at Chicago, IL 60610 and at additional mailing office.

SUBSCRIPTION RATES—The subscription rates for the Archives of Surgery are as follows: for members of the AMA, \$1.50 included in the annual membership dues; for nonmembers, \$36 for one year, \$65 for two years in the United States and US possessions; all other countries, one year, \$46; two years, \$85 (add \$10 surcharge to each one-year subscription, \$20 for two years for air delivery to the United Kingdom and Europe only). Special yearly rates to residents and medical students in the United States and US possessions, one year, \$18; two years, \$32.50. Rates for subscriptions for delivery to Bangladesh, India, Japan, Nepal, South Korea, and Sri Lanka are available through respective exclusive agents. Address all subscription

communications to the American Medical Association, Circulation and Fulfillment Division, 535 N Dearborn St, Chicago, IL 60610. Phone: (312) 280-7154.

CHANGE OF ADDRESS—POSTMASTER, send all address changes to Caryl L. Wertheimer, Director of Fulfillment, 535 N Dearborn St, Chicago, IL 60610. Notification of address change must be made at least six weeks in advance, include both old and new addresses, a recent mailing label, and your new zip code.

ADVERTISING PRINCIPLES: Each advertisement in this issue has been reviewed and complies with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request. The appearance of advertising in AMA publications is not an AMA guarantee or endorsement of the product or the claims made for the product by the manufacturer.

Postoperative Albumin Infusion Therapy Based on Colloid Osmotic Pressure: A Prospectively Randomized Trial	911
Reinhart Grundmann, MD, Sigrid Heistermann, Köln, West Germany	
Albumin infusion therapy did not affect the clinical outcome of patients in this study.	
Irrigation Management of Sigmoid Colostomy	916
Shu-Wen Jao, MD; Robert W. Beart, Jr, MD; Lois J. Wendorf, RN, ET; Duane M. Ilstrup, MS, Rochester, Minn	
Sixty percent of patients are continent with colostomy irrigation, but the remainder cannot tolerate the procedure.	
Growth Changes in the Thoracic Aorta of the Piglet Following Patch Angioplasty	918
David A. LaPatka, MD; Fidel Realyvasquez, MD; Keith Burnett, MD; Richard M. Friedenber, MD; Barbara Chidester, RN; Alan B. Gazzaniga, MD, Irvine, Calif	
The thoracic aorta grew adequately to allow patch grafting of up to 70% of its circumference.	
Management of Acute Postoperative Thrombosis Following Carotid Endarterectomy	922
William M. Novick, MD; John J. Millili, MD; Paul Nemir, Jr, MD, Philadelphia	
Immediate reoperation without time-consuming diagnostic procedures gives excellent results when acute neurologic deficits occur.	
Regional Blood Flow and Water Content of the Obstructed Small Intestine	926
George Papanicolaou, MD; Dimitris Nikas, MD; Yeong Ahn, MD; Spiros Condos, MS; L. Peter Fielding, MB, FRCS, New Haven, Conn	
Small-bowel obstruction produced increased intestinal blood flow, increased bowel water, and decreased bowel dry weight.	
In Situ Distal Saphenous Vein Bypass Using the Intraluminal Valve-Disruption Technique	933
Charles W. Acher, MD, William D. Turnipseed, MD, Madison, Wis	
Patency of in situ vein grafts to tibial vessels was better than with reversed vein grafts.	
2,3-Dihydroxybenzoic Acid: Effect on Mortality Rate in a Septic Rat Model	937
Richard A. Pearce, MD; Richard J. Finley, MD, FRCS(C); Robert A. Mustard, Jr, MD, FRCS(C); John H. Duff, MD, FRCS(C), London, Ontario	
2,3-Dihydroxybenzoic acid in combination with gentamicin improved the mortality of animals with peritonitis.	
Decreased Hepatic Glutathione Levels in Septic Shock: Predisposition of Hepatocytes to Oxidative Stress: An Experimental Approach	941
Gary A. Keller, MD; Roderick Barke, MD; John T. Harty; Edward Humphrey, MD, PhD; Richard L. Simmons, MD, Minneapolis	
Intrahepatic glutathione is significantly reduced after six hours of sepsis suggesting that the liver is particularly susceptible to oxidative stress in sepsis.	
Use of Intraoperative Blood Salvage During Orthotopic Liver Transplantation	946
Walter H. Dzik, MD, Roger Jenkins, MD, Boston	
Autotransfusion was both cost and blood efficient.	

Continued on page 877.

The Effect of Vitamin E on Experimentally Induced Peritoneal Adhesions in Mice 949
Peter Kagoma, MD; Steven N. Burger, MD; Eli Seifter, PhD;
Stanley M. Levenson, MD; Achilles A. Demetriou, MD, PhD, Bronx, NY
Incidence and degree of adhesions were significantly
decreased in vitamin E-supplemented animals.

Colostomy Wound Closure 957
Thomas V. Berne, MD; Chris N. Griffith, MD; Jonathan Hill, MD;
Philip LoGuidice, MD, Los Angeles
Primary closure or primary closure with subcutaneous
drains required less postoperative care and had
greater acceptance than delayed closure.

**Inguinal Hernias in Premature Infants Operated on Before Discharge
From the Neonatal Intensive Care Unit** 962
Diller B. Groff, MD; Hirikati S. Nagaraj, MD; John B. Pietsch, MD, Louisville
Inguinal herniorrhaphy prior to discharge in premature
infants is clearly indicated although costs are greater
than in a normal pediatric population.

CLINICAL NOTES

The Surgical Implications of Herniation of the Urinary Bladder 964
Leonard G. Gomella, MD; Stephen M. Spires, MD; J. Michael Burton, MD;
Madhira D. Ram, MD, PhD; Robert C. Flanigan, MD, Lexington, Ky
Diagnosis and repair of massive inguinal-scrotal herniation
of the urinary bladder in two patients are described.

**Isolated Traumatic Aortic Valvular Insufficiency With Rapid
Pulmonary Deterioration: Report of Two Cases** 971
Steven D. Schwaitzberg, MD, Kamal G. Khalil, MD, Houston
Early operative intervention provided aortic valve
replacement within hours of injury.

REGULAR DEPARTMENTS

Books 977
The Hand: Diagnosis and Indications (Lister) Reviewed by John A. Boswick, Jr, MD, Denver . . . **A Practice of Anaesthesia**
(Churchill-Davidson, ed) Reviewed by William B. Mc Ilvaine, MD, CM, FRCP(C), Denver . . . **Pediatric Plastic Surgery** (Serafin,
Georgiade, eds) Reviewed by Richard Albin, MD, Denver . . . **Interpretation of Breast Biopsies** (Carter) Reviewed by Donald C.
Kuzela, MD, Denver . . . **Surgical Intensive Care: A Practical Guide** (Kortz, Lumb) Reviewed by Ben Eiseman, MD, Denver . . .
Abdominal Stomas (Abrams) Reviewed by Marion Tolch, RN, Denver . . . **A Woman's Decision: Breast Care, Treatment and
Reconstruction** (Berger, Bostwick III) Reviewed by Ben Eiseman, MD, Denver . . . **Endocrine Problems in Cancer: Molecular
Basis and Clinical Management** (Jung, Sikora, eds) Reviewed by Ben Eiseman, MD, Denver . . . **Gastric and Gastrointestinal
Motility** (Akkermans, Johnson, Read, eds) Reviewed by Lawrence W. Norton, MD, Denver . . . **Color Atlas of Liver Disease**
(Sherlock, Summerfield) Reviewed by Ben Eiseman, MD, Denver

Calendar of Events 980

Index to Advertisers 870

Instructions for Authors 879