

**PAPERS READ BEFORE THE SEVENTH ANNUAL SURGICAL SYMPOSIUM OF THE
ASSOCIATION OF VETERANS ADMINISTRATION SURGEONS, AIRLIE, VA, MAY 25-28, 1983**

Early Urgent Relaparotomy	369
Phil J. Harbrecht, MD; R. Neal Garrison, MD; Donald E. Fry, MD, Louisville	
Reoperation was required most often for infection with intact organs followed by suture line leaks, dehiscence, bleeding, and obstruction.	
Carcinoid Tumors	375
Lillian Dawes, MD; William J. Schulte, MD; Robert E. Condon, MD, Wood, Wis	
Appendiceal and rectal carcinoids were often benign, but colon and jejunoileal tumors had often metastasized.	
Postoperative Pneumonia: Determinants of Mortality	379
Louis F. Martin, MD; Eleanor F. Asher, MD; Joseph M. Casey, MD; Donald E. Fry, MD, Louisville	
Significant determinants of death were gram-negative infection, emergency operation, respirator-acquired pneumonia, and peritonitis in older patients.	
Endoscopy Training in a General Surgery Program: Results of a Survey	384
Wayne H. Schwesinger, MD, Barry A. Levine, MD, San Antonio, Tex	
Training in fiberoptic endoscopy in a general surgery program led to frequent use of such procedures in later clinical practice.	
Abdominal Aortic Aneurysm, Leriche's Syndrome, Inguinal Herniation, and Smoking	387
Donald J. Cannon, PhD; Laura Casteel; Raymond C. Read, MD, Little Rock, Ark	
The frequency of inguinal herniation was greater in patients with abdominal aneurysms but not with Leriche's syndrome.	
Orthotopic Cardiac Transplantation in a Veterans Administration Hospital	390
Szabolef Szentpetery, MD; Mitchell H. Goldman, MD; Daniel Woody, MD;	
Josephine Salim; Thalachallour Mohanakumar, PhD; Richard Lower, MD, Richmond, Va	
Eighteen transplants have been performed with 67% survival at two to 24 months after transplantation.	
Aggressive Surgical Therapy After Irradiation Failure in Treatment of Cancer of the Oral Tongue	394
Michael W. Mulholland, MD; Fernando Megallanes, MD; Barry H. J. Press, MD;	
Alan R. Shons, MD, PhD; Donald G. McQuarrie, MD, PhD, Minneapolis	
Operative treatment of patients who have a recurrence after primary radiation therapy is recommended.	
Nonoperative Management of Splenic Trauma: Conservative or Radical Treatment?	400
Karl Zucker, MD; Kirby Browns, MD; David Rossman, MD; Dennis Hemingway, MD; Richard Saik, MD, San Diego	
Twenty-four patients with documented splenic trauma were treated initially without operation, with only one requiring later splenectomy.	
Elastolytic and Collagenolytic Studies of Arteries: Implications for the Mechanical Properties of Aneurysms	405
Philip B. Dobrin, MD, PhD; William H. Baker, MD; William C. Gley, Hines, Ill	
Vessels treated with collagenase ruptured, indicating that wall integrity depends on intact collagen rather than elastin.	
Dissociation of the Pressor and Cerebral Protective Effects of Phenylephrine	415
Mack S. Stirling, MD; Louis G. D'Alecy, DMD, PhD;	
Gerald B. Zelenock, MD, Ann Arbor, Mich	
A high dose of phenylephrine decreased survival time in hypoxic animals.	

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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.

Detection of Technical Error During Arterial Surgery by Pulsed Doppler Spectral Analysis 421
 Dennis F. Bandyk, MD, Milwaukee; R. Eugene Zierler, MD, Brian L. Thiele, MD, Seattle
 Intraoperative assessment by pulsed Doppler analysis to detect technical errors was noninvasive, rapid, and accurate, and allowed selective use of arteriography.

Intermittent Claudication: Current Results of Nonoperative Management 430
 Jack L. Cronenwett, MD; Kenneth G. Warner, MD; Gerald B. Zelenock, MD; Walter M. Whitehouse, Jr, MD; Linda M. Graham, MD; S. Martin Lindenauer, MD; James C. Stanley, MD, Ann Arbor, Mich
 In patients with mild intermittent claudication the need for a subsequent operation was greater if they smoked and did not exercise.

Rapid Alterations in Substrate Profiles After Partial Hepatectomy in the Rat 437
 Joseph A. Caruana, MD; Carl Sunby, MD; Daniel S. Camara, MD; Hao-Hui Chen, MD; Gerald Schneeberger, Buffalo
 Partial hepatectomy resulted in early changes in insulin-glucagon ratio and substrate utilization.

Umbilical Herniorrhaphy in Cirrhotic Patients 442
 John P. Leonetti, MD; Gerard V. Aranha, MD; William A. Wilkinson, MD, Maywood, Ill; Malcolm Stanley, MD, Herbert B. Greenlee, MD, Hines, Ill
 In cirrhotic patients with ascites a peritoneovenous shunt is recommended before repair of an umbilical hernia.

Mortality and Rebleeding After Hypertensive Variceal Disconnections 446
 Donald F. VanBeek, MD; John J. Gleysteen, MD; Mark A. Malangoni, MD; Thomas W. Klamer, MD; J. David Lewis, MD, Wood, Wis
 Nonalcoholic survivors of complete azygos disconnection did not have rebleeding or encephalopathy during an average follow-up of 41 months.

Guillotine Amputation in the Treatment of Nonsalvageable Lower-Extremity Infections 450
 Kenneth E. McIntyre, Jr, MD; Susan A. Bailey, MD; James M. Malone, MD; Jerry Goldstone, MD, Tucson
 Staged, open and then closed amputations were associated with a lower failure rate in patients with nonsalvageable foot infections.

Crossover Femorofemoropopliteal Sequential Bypass for Combined Ipsilateral Iliac and Femoropopliteal Occlusive Disease 456
 James J. Schuler, MD; D. Preston Flanigan, MD; Timothy J. Ryan, MD; Dale Buchbinder, MD; John J. Castronuovo, MD, Chicago
 Limb salvage or relief of disabling claudication can be accomplished by these techniques in selected patients.

Interpretation of Doppler Segmental Pressures in Peripheral Vascular Occlusive Disease 465
 Thomas G. Lynch, MD, Robert W. Hobson II, MD, Newark, NJ; Creighton B. Wright, MD, Iowa City; Giovanni Garcia, MD, Newark, NJ; Richard Lind, MD, Sharon Heintz, Iowa City; Lawrence Hart, East Orange, NJ
 Accuracy was influenced by the presence of associated aortoiliac or femoropopliteal disease.

Acute Limb Ischemia Following Aortic Reconstruction: A Preventable Cause of Increased Mortality 470
 John A. Strom, MD; Victor M. Bernhard, MD; Jonathan B. Towne, MD, Milwaukee
 Postoperative limb ischemia was primarily related to intraoperative technical problems.

Vasoactive Drugs in Acute Pancreatitis 477
 Philip E. Donahue, MD, Chicago; Hiroshi Akimoto, MD, Tokyo; James L. Ferguson, PhD, Lloyd M. Nyhus, MD, Chicago
 Animals with greater blood flow to the pancreas before the induction of pancreatitis had increased survival.

REGULAR DEPARTMENTS

Correspondence and Brief Communications 485
Ileal Tumor Causing Carcinoid Syndrome Without Hepatic Metastases Joel M. Rosenberg, MD, John P. Welch, MD, Hartford, Conn. . . **Splenectomy and Death in Renal Transplant Patients** David E. R. Sutherland, MD, PhD; David S. Fryd, PhD; Richard L. Simmons, MD; John S. Najarian, MD, Minneapolis; Arthur J. Matas, MD, Bronx, NY; Thomas G. Peters, MD; James W. Williams, MD; Harvey C. Harmon, MD; Louis G. Britt, MD, Memphis . . . **Villous Adenoma of the Duodenum Producing Intussusception** Harry H. Orenstein, MD; Ivan David, MD; Danne Lorieo, MD, New York

Books 488
Complex Operations at the Massachusetts General Hospital (Malt, Moncure, and Ottinger) Reviewed by Ben Eiseman, MD, Denver

Calendar of Events 488

Instructions for Authors See December 1983 issue, p 1369

Index to Advertisers 364