

**PAPERS READ BEFORE THE TENTH ANNUAL MEETING OF THE NEW ENGLAND SOCIETY
FOR VASCULAR SURGERY, BRETTON WOODS, NH, SEPT 29-30, 1983**

Scope and Limitations of Collateral Circulation: Presidential Address	761
Edward A. Edwards, MD, Boston	
Lessons From Initial Experience With the In Situ Saphenous Vein Graft	766
Magruder C. Donaldson, MD, Newington, Conn	
Technical complications were frequent in the initial experience with this technique.	
Functional Injury of Vein Graft Endothelium: Role of Hypothermia and Distention	770
Harry L. Bush, Jr, MD; Melissa E. McCabe; Donald C. Nabseth, MD, Boston	
Optimal prostacyclin production from endothelium occurred in veins stored in tissue culture medium at normothermia.	
Isolated Popliteal Segment v Tibial Bypass: Comparison of Hemodynamic and Clinical Results	775
David C. Brewster, MD; Peter M. Charlesworth, MD; JoAnne E. Monahan, RN;	
William M. Abbott, MD; R. Clement Darling, MD, Boston	
Although isolated segment grafting can give good results, a tibial bypass with autologous tissue will be better.	
The Ischemic Exercise Test in Patients With Peripheral Vascular Disease: Implications for Management	780
Elias J. Arous, MD; Patricia L. Baum, BSN; Bruce S. Cutler, MD, Worcester, Mass	
Preoperative exercise testing was an easy and reliable method for detecting asymptomatic coronary artery disease in these patients.	
Acute Arterial Thrombosis of the Lower Extremity: Its Natural History Contrasted With Arterial Embolism	784
Richard P. Cambria, MD, William M. Abbott, MD, Boston	
Patients with acute thrombotic occlusion will often require early surgical intervention for limb salvage.	
Postsurgical Changes in Arterial Compliance	788
Jonathan E. Hasson, MD; Joseph Megerman, PhD; William M. Abbott, MD, Boston	
Compliance remained low for four weeks in a normal artery which was simply exposed for a brief period.	
Malignant Neoplasia in Patients With Abdominal Aortic Aneurysms	792
M. David Tilson, MD; Edward L. Fieg, PA; Mary Harvey, MD, New Haven, Conn	
The incidence of malignancy in patients with aneurysms was greater than in patients with atherosclerotic occlusive disease.	
ORIGINAL ARTICLES	
Results of Kidney Retransplantation	796
Richard J. Howard, MD; Juan Scornik, MD;	
Robert Fennell, MD; William W. Pfaff, MD, Gainesville, Fla	
A second transplant is justified in patients who lose their first grafts particularly if the recipient is younger than 40 years of age.	
Myocardial Depression: The Effect of Ca⁺⁺ and Calcium Flux During Sepsis	803
Marc A. Levison, MD, Detroit; Tanny C. Tsao, MS, Donald D. Trunkey, MD, San Francisco	
Myocardial depression during <i>Escherichia coli</i> infusion was not associated with altered calcium flux.	
Lipid-Based Parenteral Nutrition and the Immunosuppression of Protein Malnutrition	809
Willis H. Wagner, MD, Howard Silberman, MD, Los Angeles	
Lipid-based parenteral nutrition was comparable with an oral diet in reversing the anergy of protein malnutrition.	

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Association of Concurrent Herpes Simplex Virus and Cytomegalovirus With Detrimental Effects After Renal Transplantation	812
David L. Dunn, MD; Arthur J. Matas, MD; David S. Fryd, PhD; Richard L. Simmons, MD; John S. Najarian, MD, Minneapolis Combined herpes simplex virus and cytomegalovirus infections were associated with reduced patient and allograft survival.	
Skin Staples in Potentially Contaminated Wounds	821
Richard M. Stillman, MD; Celeste A. Marino, PA; Stephen J. Seligman, MD, Brooklyn The use of staples to close contaminated skin wounds was associated with fewer infections than with percutaneous or subcuticular sutures.	
Pancreatic Exocrine Secretion: Release of Gastrin and Cholecystokinin in Response to Bombesin in Pigs	825
Per Lijja, MD; George H. Greeley, Jr, PhD; James C. Thompson, MD, Galveston, Tex Bombesin stimulates exocrine pancreatic secretion due largely to the release of cholecystokinin.	
A Comparison of Ductal Management Techniques in an In Situ Canine Pancreas Model	829
Paul J. Garvin, MD; Marco Castaneda, MD; John E. Codd, MD; Richard Pennell, MD; Mike Niehoff, PAC, MS, St Louis The open duct technique or Roux-en-Y pancreaticojejunostomy resulted in optimal endocrine function.	
Gastric Outlet and Duodenal Obstruction From Inflammatory Pancreatic Disease	833
Gerard V. Aranha, MD; Richard A. Prinz, MD; Herbert B. Greenlee, MD; Robert J. Freeark, MD, Maywood, Ill Gastrojejunostomy was frequently necessary along with common or pancreatic duct decompression.	
Endoscopic Dilatation of Late Stomal Stenosis: Its Use Following Gastric Surgery for Morbid Obesity	836
James C. Wolper, MD; James M. Messmer, MD; Mary Ann Turner, MD; Harvey J. Sugerman, MD, Richmond, Va Endoscopic dilatation may help some patients but others will require reoperation.	
Retroperitoneal, Mesenteric, and Omental Cysts	838
Vincent W. Vanek, MD, Alexander K. Phillips, MD, Youngstown, Ohio The most common site is in the small-bowel mesentery.	
SPECIAL ARTICLE	
The Biologic Basis for the Clinical Application of the Silicones: A Correlate to Their Biocompatibility	843
Mutaz B. Habal, MD, FRCS(C), Tampa, Fla Biologic reaction to polysiloxane consists of a fibrous-tissue reaction (pseudocapsule) unless a wetting agent, such as povidone, is added.	
CLINICAL NOTES	
Intraluminal Erosion and Migration of the Angelchik Antireflux Prosthesis	849
Michael P. Lilly, MD; S. Frederick Slafsky, MD; William R. Thompson, MD, Providence, RI Two patients had serious complications from erosion of this device into the stomach. Editorial comment by C. Thomas Bombeck, MD, Chicago	
The Importance of Abdominal Wall Collateral Blood Vessels: Planning Incisions and Obtaining Arteriography ...	854
William C. Krupski, MD; Ahimsa Sumchai, MD; David J. Effeney, MB, BS, FRACS; William K. Ehrenfeld, MD, San Francisco Abdominal incisions in patients with aortoiliac occlusive disease may divide important collateral vessels.	
Strictureplasty: An Alternative in the Surgical Treatment of Crohn's Disease	861
Benjamin W. Pace, MD; Simmy Bank, MD; Leslie Wise, MD, Stony Brook, NY This approach prevented the need for resections in a patient with severe, multilevel, partial obstructions. Editorial comment by Lloyd M. Nyhus, MD, Chicago	
BRIEF CLINICAL NOTE	
Mesenteric Hematoma Suggests Rupture of Visceral Artery Aneurysm	863
Paul A. Skudder, Jr, MD, William L. Craver, MD, Rochester, NY A patient with nonspecific abdominal pain was found by computed tomography to have a mesenteric hematoma secondary to an aneurysm.	
REGULAR DEPARTMENTS	
Correspondence and Brief Communications	866
The Correct Use of Statistical Techniques Neal Koss, MD, Torrance, Calif, Lawrence E. Stevens, MD, Salt Lake City ... Backflow in Venous Cannulation Jonathan R. Merrill, MD, Hartwell, Ga	
Books	867
Common Hand Injuries and Infections: A Practical Approach to Early Treatment (Carter) Reviewed by Scott L. Replogle, MD, Denver ... Vascular Surgery (Rutherford, ed) Reviewed by James A. DeWeese, Rochester, NY ... Surgery of the Thyroid and Parathyroid Glands (Kaplan, ed) Reviewed by R. Dale Liechty, MD, Denver ... Principles and Management of Urologic Cancer (Javadpour, ed) Reviewed by John N. Wettlaufer, MD, Denver ... Inflammatory Bowel Disease (Allen, Keighly, Alexander-Williams, and Hawkins, eds) Reviewed by William Silen, MD, Boston ... Essentials of Body Computed Tomography (Greenberg) Reviewed by William Earley, MD, Denver	
Calendar of Events	868
Instructions for Authors	754
Index to Advertisers	820