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**PAPERS READ BEFORE THE 97TH ANNUAL MEETING OF THE WESTERN SURGICAL ASSOCIATION, ST LOUIS, MO, NOVEMBER 14 TO NOVEMBER 15, 1989—PART I**

- Responsibilities of General Surgery: Training for the Future: Presidential Address** . . . . . 829  
J. Bradley Aust, MD, PhD, San Antonio, Tex
- Metatarsal Head Resection for Diabetic Foot Ulcers** . . . . . 832  
Gareth David Griffiths, FRCS, Thomas Jeffery Wieman, MD, Louisville, Ky  
● Metatarsal head resection is recommended to achieve healing of the chronic diabetic foot ulcer under the metatarsophalangeal joints.
- Nonoperative Management of the Adult Ruptured Spleen** . . . . . 836  
Mario R. Villalba, MD; Greg A. Howells, MD; Robert J. Lucas, MD; John L. Glover, MD;  
Phillip J. Bendick, PhD; Oanh Tran, MD; Syed Z. H. Jafri, MD, Royal Oak, Mich  
● The nonoperative management of splenic injuries due to blunt trauma is a viable alternative in the stable adult patient when intensive monitoring is available.
- The Management of Splenic Trauma in a Trauma System** . . . . . 840  
Melinda R. Molin, MD, San Diego, Calif, Steven R. Shackford, MD, Burlington, Vt  
● Selective splenorrhaphy was successful in Level II trauma centers where the volume of splenic injuries was lower.
- Is Exploratory Celiotomy Necessary for All Patients With Truncal Stab Wounds?** . . . . . 844  
Kenneth R. Sirinek, MD, PhD; Carey P. Page, MD; H. David Root, MD; Barry A. Levine, MD, San Antonio, Tex  
● If appropriate facilities, personnel, and monitoring are available, the selective management of asymptomatic, hemodynamically stable patients with truncal stab wound can be instituted.
- Cervical Esophageal Trauma: Incidence and Cause of Esophageal Fistulas** . . . . . 849  
Robert P. Winter, MD, John A. Weigelt, MD, Dallas, Tex  
● Penetrating esophageal wounds require meticulous débridement, two-layer closure of the wound, closed-suction drainage, and a postoperative esophagram.
- Gallstone Pancreatitis: The Question of Time** . . . . . 853  
Jon M. Burch, MD; David V. Feliciano, MD; Kenneth L. Mattox, MD; George L. Jordan, Jr, MD, Houston, Tex  
● The timing of surgery for gallstone pancreatitis is usually not critical; deterioration following admission signifies severe disease and carries a high morbidity and mortality.
- Association of Human Papillomavirus and Colon Neoplasms** . . . . . 862  
Daniel Kirgan, MD; Pacita Manalo, MD; Mark Hall, PhD; Byron McGregor, MD, Reno, Nev  
● Human papillomavirus (HPV) infects the columnar mucosa of the colon suggesting an association between HPV and colon neoplasia.
- Radioimmune Localization of Occult Carcinoma** . . . . . 866  
Rosemary B. Duda, MD; A. Michael Zimmer, PhD; Steven T. Rosen, MD; Katherine A. Gilyon, RN; Denise Webber;  
Stewart Spies, MD; William Spies, MD, Chicago, Ill; Bruce Merchant, MD, PhD, San Diego, Calif  
● In-ZCE-025 can localize occult carcinoma and facilitate operative intervention.
- Limited Lateral Thoracotomy: Improved Postoperative Pulmonary Function** . . . . . 873  
John H. Lemmer, Jr, MD; Mark N. Gomez, MD; Tommy Symreng, MD; Alan F. Ross, MD; Nicholas P. Rossi, MD, Iowa City, Ia  
● Use of a muscle-sparing incision resulted in improved postoperative pulmonary reserve without differences in postoperative convalescence.

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**CONTENTS—Continued**

**Combined Kidney and Pancreas Transplantation:**  
**A Safe and Effective Treatment for Diabetic Nephropathy** . . . . . 881  
James A. Schulak, MD; James T. Mayes, MD; Donald E. Hricik, MD, Cleveland, Ohio  
● Combined kidney and pancreas transplantation was performed safely and successfully with actuarial and kidney survival of 92% and pancreas survival of 88%.

**The Importance of DNA Flow Cytometry in Node-Negative Breast Cancer** . . . . . 886  
David J. Winchester, MD; Rosemary B. Duda, MD; Carey Z. August, MD; Robert A. Goldschmidt, MD; Debra M. Wruck, RN; Alfred W. Rademaker, PhD; David P. Winchester, MD; Douglas E. Merkel, MD, Evanston, Ill  
● Flow cytometric evaluation of ploidy and S-phase fraction can provide predictive information in lymph node-negative breast cancer.

**Accuracy of Combined Clinical-Mammographic-Cytologic Diagnosis of Dominant Breast Masses: A Prospective Study** . . . . . 893  
John A. Butler, MD; Hernan I. Vargas, MD; Nancy Worthen, MD; Samuel E. Wilson, MD, Torrance, Calif  
● When physical examination, mammogram, and aspiration cytology were all in concordance, final histology nearly always agreed.

**ORIGINAL ARTICLES**

**Adjuvant Therapy for Resectable Colorectal Carcinoma With Fluorouracil Administered by Portal Vein Infusion: A Study of the Mayo Clinic and the North Central Cancer Treatment Group** . . . . . 897  
Robert W. Beart, Jr, MD, Scottsdale, Ariz; Charles G. Moertel, MD, Harry S. Wieand, PhD, Rochester, Minn; John E. Leigh, MD, Fargo, ND; Harry E. Windschitl, MD, St. Cloud, Minn; Jonathan A. van Heerden, MD, Rochester, Minn; Robert J. Fitzgibbons, Jr, MD, Omaha, Neb; Bruce G. Wolff, MD, Rochester, Minn  
● A lack of treatment effect with fluorouracil portal vein infusion is observed in both stage B and C colorectal carcinoma.

**Blunt Hepatic Trauma: Nonoperative Management in Adults** . . . . . 905  
John A. Federico, MD; William R. Horner, MD; David E. Clark, MD; Robert J. Isler, MD, Portland, Me  
● Nonoperative management of blunt hepatic injuries is a useful alternative in hemodynamically stable patients supported by computed tomography.  
**Invited Commentary:** Donald Trunkey, MD, Portland, Ore

**Sacral Resection: Operative Technique and Outcome** . . . . . 911  
Touraj Touran, MD; Daniel B. Frost, MD; Theodore X. O'Connell, MD, Los Angeles, Calif  
● Surgical resection of sacral tumors is possible in selected patients with the same morbidity and mortality attained with the usual methods of palliation.  
**Invited Commentary:** Robert J. Schweitzer, MD, Oakland, Calif

**Acute Ileus From Steroid Withdrawal Simulating Intestinal Obstruction After Surgery for Ulcerative Colitis** . . . . . 914  
Matthias Stelzner, MD; J. Duncan Phillips, MD; Eric W. Fonkalsrud, MD, Los Angeles, Calif  
● Ileus following acute steroid withdrawal demands prompt recognition and treatment to reduce hospital costs and morbidity.

**Anaphylatoxins and Terminal Complement Complexes in Pancreatitis: Evidence of Complement Activation in Plasma and Ascites Fluid of Patients With Acute Pancreatitis** . . . . . 918  
Lennart I. Roxvall, MD; L. Anders Bengtson, MD, PhD; J. Mats I. Heideman, MD, PhD, Gothenburg, Sweden  
● Anaphylatoxins were highest in the plasma and ascites fluid of patients with moderate to severe pancreatitis.

**The Effect of Interleukin 1 $\alpha$  on Survival in a Murine Model of Burn Wound Sepsis** . . . . . 922  
Geoffrey M. Silver, MD; Richard L. Gamelli, MD; Michael O'Reilly, MS; James C. Hebert, MD, Burlington, Vt  
● The use of cytokines to modulate host injury response may improve outcome following burn injury.

**Epidermal Growth Factor and Insulin Act Synergistically During Diabetic Healing** . . . . . 926  
Patrick J. Hennessey; C. Thomas Black, MD; Richard J. Andrassy, MD, Houston, Tex  
● Insulin and the epidermal growth factor act synergistically for a net gain in wound collagen content.

**Hydroxyethyl Starch Macromolecules Reduce Myocardial Reperfusion Injury** . . . . . 930  
Bashir A. Zikria, MD; Chivukula Subbarao, MD; Mehmet C. Oz, MD; Sulli J. Popilkis, DVM; Ranjit Sachdev, MD; Prem Chauhan, MD; Harold P. Freeman, MD; Thomas C. King, MD, New York, NY  
● Hydroxyethyl starch Pz reduces myocardial reperfusion injury in the canine model.

**CLINICAL NOTE**

**Metastatic Pheochromocytoma Associated With Multiple Endocrine Neoplasia Syndrome Type II** . . . . . 935  
Aaron H. Chevinsky, MD; John P. Minton, MD, PhD; James M. Falko, MD, Columbus, Ohio  
● Surgical debulking of a metastatic pheochromocytoma provided significant palliation.

**REGULAR DEPARTMENTS**

**Correspondence and Brief Communications** . . . . . 940  
**Books** . . . . . 940  
**Classified Advertising** . . . . . 942  
**Index to Advertisers** . . . . . 827  
**Instructions for Authors** . . . . . 826