

## ORIGINAL ARTICLES

- Carcinoma of the Parathyroid** ..... 123  
Wayne T. Jarman, MD; Richard T. Myers, MD;  
Richard B. Marshall, MD, Winston-Salem, NC  
Automated screening tests may be allowing earlier  
detection of parathyroid carcinoma.
- An Assessment of Routine Liver Scanning in Patients With Breast Cancer** ..... 126  
Stephen N. Wiener, MD, Sidney H. Sachs, MD, Cleveland  
The low yield of detection of hepatic metastases suggests that routine  
liver scans be eliminated in the initial work up of patients with  
breast cancer unless there is evidence of abnormal liver function.
- Appendiceal Abscess Revisited** ..... 130  
Edward L. Bradley III, MD, James Isaacs, MD, Atlanta  
The changing pattern of appendiceal abscess and need  
for interval appendectomy are reviewed.  
Editorial comments by Robert L. Walton, MD, C. Elton Cahow, MD, New Haven, Conn
- Abnormalities of Phenylalanine and Tyrosine Kinetics: Significance  
in Septic and Nonseptic Burned Patients** ..... 133  
Capt David N. Herndon, MC, USA; Douglas W. Wilmore, MD; Arthur D. Mason, Jr, MD;  
Col Basil A. Pruitt, Jr, MC, USA, Fort Sam Houston, Tex  
These abnormalities of amino acid metabolism involved  
important hormonal precursors.
- Use of Tolonium Chloride in the Diagnosis of Malignant Gastric Ulcers** ..... 136  
Shamai Giler, MD; Uri Kadish, MD; Israel Urca, MD, Petah Tikva, Israel  
A helpful and reasonably accurate method of distinguishing  
between benign and malignant gastric ulcers.
- Iatrogenic Liver Abscesses: A Complication of Hepatic Artery Ligation for Tumor** ..... 141  
Peter R. Jochimsen, MD; Wilbur L. Zike, MD; Siroos S. Shirazi, MD;  
Nathan W. Pearlman, MD, Iowa City  
Development of this complication did not alter the benefits of the procedure.
- Staged Aortofemoropopliteal Revascularization** ..... 149  
Lt Col George J. Collins, Jr, MC, USA; Col Norman M. Rich, MC, USA;  
Maj Charles A. Andersen, MC, USA; Lt Col Paul T. McDonald, MC, USA, Washington, DC  
If proximal revascularization is not satisfactory, a distal  
procedure can be done safely and effectively later.
- Arteriovenous Fistulas for Long-Term Dialysis: Factors That  
Influence Fistula Survival** ..... 153  
Michael S. Rohr, MD, PhD; William Browder, MD;  
Gary D. Frentz, MD; John C. McDonald, MD, New Orleans  
Early failure generally due to selection of an inappropriate procedure for that patient.
- Vaginitis Emphysematosa: Importance of Its Radiologic Recognition** ..... 156  
Faye C. Laing, MD; Jon D. Shanser, MD; Brian J. Salmen, MD, San Francisco  
A benign, self-limited condition.  
Editorial comment by John S. Welch, MD, Rochester, Minn
- Choledochal Cyst: Etiological Considerations and Surgical Management in 22 Cases** ..... 159  
Ken Kimura, MD; Chikara Tsugawa, MD; Kyoichi Ogawa, MD;  
Yoichi Matsumoto, MD; Tetsuo Yamamoto, MD; Masako Kubo, MD;  
Sakae Asada, MD; Shoji Nishiyama, MD; Hiroshi Ito, MD, Kobe, Japan  
A comparison of two surgical approaches establishes the value of excision  
and hepaticojejunostomy in preventing recurrent cholangitis.

THE ARCHIVES OF SURGERY 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.

## CONTENTS—Continued

- Chemotherapy as an Adjuvant to Surgery for Colorectal Cancer: A Follow-up Report** ..... 164  
Walter Lawrence, Jr, MD; Jose J. Terz, MD; J. Shelton Horsley III, MD;  
Peter W. Brown, MD; Carlos Romero, MD, Richmond, Va  
No benefit from adjuvant course of fluorouracil.

## EXPERIMENTAL SURGERY

- Hepatic Blood Flow Measurement** ..... 169  
Joseph L. Nxumalo, MD; Masaaki Teranaka, MD;  
Worthington G. Schenk, Jr, MD, Buffalo, NY  
Total hepatic blood flow measured by ICG clearance and  
electromagnetic flowmeters following Dextran-40 infusion.
- Muscle and Subcutaneous Oxygen Tension: Measurements by  
Mass Spectrometry After Sympathectomy** ..... 176  
Malcolm O. Perry, MD, Seattle, Jureta Horton, Dallas  
Sympathectomy did not increase tissue oxygen tension.

## BRIEF CLINICAL NOTE

- Benign Polypoid Adenoma of the Ampulla of Vater: Treatment  
by Double Sphincteroplasty** ..... 180  
Joseph P. Archie, Jr, MD, Harry M. Murray, Jr, MD, San Antonio, Tex  
Both the common bile duct and pancreatic duct  
passed through the stalk of the polyp.

## SPECIAL ARTICLES

- A Burning Issue: Phantom Limb Pain and Psychological  
Preparation of the Patient for Amputation** ..... 185  
George F. Solomon, MD, Fresno, Calif,  
K. Michael Schmidt, PhD, Mountain View, Calif  
Persistent phantom limb pain may be related to  
fantasies about the amputated limb.
- Surgeons in the United States: Practice Characteristics** ..... 188  
Bernard S. Bloom, PhD, Boston; Walter W. Hauck, Jr, PhD, Worcester, Mass;  
Osler L. Peterson, MD, MPH; Rita J. Nickerson, MA; Theodore Colton, ScD, Boston  
Operative work load is related most to group or  
partnership practice and amount of nonsurgical practice.

## TECHNIQUES

- Methylene Blue Injection: An Intraoperative Guide in Small  
Bowel Resection for Arteriovenous Malformation** ..... 194  
Richard Fogler, MD, Edward Golembe, MD, Brooklyn, NY  
The rapid clearing of methylene blue from a segment  
of bowel after injection into the superior mesenteric  
artery identified the location of the arteriovenous malformation.
- A New Technique for Rapid Endoscope-Assisted Intubation of the Small Intestine** ..... 196  
Donald D. Douglas, MD, John F. Morrissey, MD, Madison, Wis  
A useful technique for patients in need of small intestinal decompression or jejunal feeding.
- Surgical Correction of Massive Gynecomastia** ..... 199  
Sheldon Artz, MD, James A. Lehman, Jr, MD, Akron, Ohio  
A dermal pedicle technique with relocation of the  
nipple provides satisfactory results.

## CONTENTS—Continued

### CLINICAL NOTES

- Benign Gastric Ulcer in a Patient With Betazole-Fast Achlorhydria** ..... 202  
Osvaldo L. Llanos, MD, Santiago, Chile; Steven N. Becker, MD;  
James C. Thompson, MD, Galveston, Tex  
An apparent exception to the "no acid—no ulcer" dictum.
- Renal Allograft Rupture With Iliofemoral Thrombophlebitis** ..... 204  
Lt Comdr Mitchell H. Goldman, MC, USNR; Stephen B. Leapman, MD;  
Lt Comdr Richard D. Handy, MC, USN; Lt Comdr David W. Best, MC, USN, Bethesda, Md  
Venous outflow obstruction, secondary to thrombophlebitis,  
resulted in rupture of the kidney with severe hemorrhage.
- Reperitonealization and Invagination of the Lesser Curvature of  
the Stomach Following Proximal Gastric Vagotomy** ..... 206  
Rodney J. Croft, MA, MB, FRCS, London  
Problems of lesser curvature gastric ischemia or necrosis after  
proximal gastric vagotomy may be eliminated by this technique.  
Editorial comment by Lloyd M. Nyhus, MD, Chicago
- Aneurysm Formation in an Expanded Microporous Polytetrafluoroethylene Graft** ..... 211  
Andrew K. Roberts, MB, BS, FRCS, FRACS,  
Neil Johnson, MB, MS, FRACS, FRCS Victoria, Australia  
New design of PTFE grafts may eliminate this problem.
- Revascularization of the Ischemic Kidney** ..... 216  
Jonathan B. Towne, MD, Victor M. Bernhard, MD, Milwaukee  
The lack of correlation between duration of renal  
artery occlusion and kidney viability is emphasized.

### REGULAR DEPARTMENTS

#### Correspondence and Brief Communications

- Pulmonary Resections in Children** ..... 221  
Neil N. Finer, MD, Edmonton, Alberta, Thomas E. Williams, Jr, MD, Columbus, Ohio
- A New Needle Holder to Facilitate Eversion of the Skin Edges** ..... 221  
Joel M. Noe, MD, Brookline, Mass
- Use of Systemic Antibiotics for Prophylaxis in Surgery** ..... 221  
G. Robert Mason, MD, PhD, Baltimore
- Dermal Marking** ..... 222  
Thomas Ray Vecchione, MD, San Diego
- Calendar of Events** ..... 224
- News and Announcements** ..... 224
- Books**
- Venous Thromboembolism (Madden and Hume)** ..... 230  
Reviewed by Stanford Wessler, MD, New York
- Clinical Gastroenterology (Spiro)** ..... 230  
Reviewed by Arthur J. Donovan, MD, Mobile, Ala
- Index to Advertisers** ..... 229
- Instructions for Authors and Correspondents** ..... 120