SPECIAL ARTICLE

Surgery in Haiti Revisited: An Opportunity for a General Surgeon

Arthur E. Baue, MD, St Louis

ORIGINAL ARTICLES

Use of the Long Tube in the Management of Patients With Small-Intestinal Obstruction due to Adhesions

Philip J. Wolfson, MD, Philadelphia; Joel J. Bauer, MD; Irwin M. Gelernt, MD; Isidore Kreei, MD; Arthur H. Aufses, Jr, MD, New York

This series suggests there may be a middle ground between early exploration and long-tube decompression of intestinal obstruction.

Multiple Primary Epidermoid Carcinomas of the Upper Aerodigestive Tract

Alain R. Shons, MD, PhD; Donald G. McQuarrie, MD, PhD, Minneapolis

New or multiple primaries developed in 13% of patients with epidermoid cancer of the head and neck.

Natural History of Asymptomatic Carotid Plaque

John M. Johnson, MD; Michael M. Kennelly, MD; Darlene Decesare, RT, RVT; Sandra Morgan, RT; Andrew Sparrow, RT, Phoenix

Noninvasive studies helped to differentiate calcified or dense plaques from soft plaques which have a greater tendency toward subintimal hemorrhage.

New Concepts in Severe Presacral Hemorrhage During Proctectomy

Wang Qinyao, MD, Shi Weijin, MD, Shanghai; Zhao Youren, MD, Chengming County, China; Zhou Wending, MD, Hongkou District, China; He Zhengrui, Shanghai

Damage to the sacral basivertebral vein rather than the presacral venous plexus can cause massive bleeding during abdominoperineal resection of the rectum.

Renal Transplantation: A 20-Year Experience in a Veterans Administration Medical Center

George L. Ivey III, MD; Robert E. Richie, MD; Gary D. Niblack, PhD; H. Keith Johnson, MD; Robert C. MacDonell, Jr, MD; Wayne F. Green, PhD, Nashville, Tenn

One-year functional graft survival increased from 45% to 70% over the period of this report.
Elemental Diet as Prophylaxis Against Radiation Injury:
Histological and Ultrastructural Studies ........................................ 1026
A. Hope McArthur, PhD; Carin Wittnich, DVM; Carolyn R. Freeman, MB, BS;
William P. Duguid, MD, Montreal

Feeding dogs an elemental diet apparently protects
the intestine from acute radiation injury.

Left Renal Vein Division in Abdominal Aortic Aneurysm Operations:
Effect on Renal Function ............................................................. 1033
Raphael Adar, MD; Issam Rabbi, MD; Aryeh Bass, MD; Moshe Z. Papa, MD;
Jacob Schneiderman, MD; Raphael Walden, MD, Tel Hashomer, Israel

Left renal vein division, when needed, was a safe and
useful adjunct to aneurysm operations.

Muscle Prostaglandin Production in the Rat: Effect of Abdominal Sepsis
and Different Amino Acid Formulations ........................................... 1037
Herbert R. Freund, MD; Michael Muggia-Sulliam, MD; Richard LaFrance, DPharm;
Lois S. Gallon; Uno O. Barcelli, MD; Josef E. Fischer, MD, Cincinnati

The effects of sepsis and branched chain amino acids on
muscle synthesis and degradation seemed to be independent
of prostaglandin production.

Acute Upper Airway Obstruction in the Postburn Period ................. 1042
J. Paul Waymack, MD; Edward Law, MD; Richard Park, MD;
Bruce G. MacMillan, MD; J. Wesley Alexander, MD, Cincinnati

Airway obstruction during induction of anesthesia required
emergency release of burn wound contractures of the neck.

Electric Activity and Motility in the Side-to-Side Isoperistaltic Ileal Reservoir ................................................................. 1045
Hideo Kawarasaki, MD; Toshio Fujiiwara, MD; Eric W. Fonkalsrud, MD, Los Angeles

Stool frequency was reduced as electrical activity of the muscle
of the ileal reservoir returned to near normal in eight weeks.

Assessment of Aortoiliac Disease Using Hemodynamic Measures .......... 1050
Paul J. Breslau, MD; Paul J. G. Jörning, MD;
Jacob M. Greep, MD, Maastricht, the Netherlands

Intra-arterial pressure measurements were most sensitive
in demonstrating hemodynamically significant aortoiliac disease.

Pseudohyponatremia in Acute Hyperlipemic Pancreatitis:
A Potential Pitfall in Therapy ......................................................... 1053
John M. Howard, MD, Jordan Reed, MD, Toledo

Pseudohyponatremia results from displacement of water in
serum by lipids, resulting in an error in sodium measurement
by flame photometry.

Emergency Intravenous Pyelography in the Trauma Patient:
A Reexamination of the Indications ................................................. 1056
John B. Fortune, MD, Albany, NY; Johan Brahme, MD;
Michael Mulligan; Thomas L. Wachtel, MD, San Diego

In most circumstances, a "one-shot" intravenous pyelogram
is sufficient to exclude or evaluate renal injury.

Effects of Gastrointestinal Hormones on Oddi's Sphincter and Duodenal
Myoelectric Activity and Pancreatobiliary Pressure: Studies in the Opossum ................................................................. 1060
Julio C. U. Coelho, MD, PhD; Frank G. Moody, MD;
Norbert Senninger, MD; Yong F. Li, MD, Houston

Gastrointestinal hormones play a major role in regulating
bile and pancreatic juice secretions into the duodenum by
regulating sphincter of Oddi myoelectric activity.

A Quality Control Analysis of Aminoglycoside Management ................. 1069
Edward J. Quebbeman, MD, PhD; Timothy R. Franson, MD;
Julianne E. Whipple, RPh; Jay Bubrick, RPh; John T. Kolesari, RPh;
Robert Thomson, RPh; Robert K. Ausman, MD; Robert E. Condon, MD, Milwaukee

Problems in the understanding and use of the principles
of pharmacokinetics were identified.

Continued on page 988.
CLINICAL NOTES

Further Evidence Supporting the Existence of the Celiac Artery Compression Syndrome ........................................... 1072
Robert M. Kernohan, FRCS; Aires A. B. Barros D'Sa, MD, FRCS;
Brian Cranley, MD, FRCS; Hilary M. L. Johnston, FFARCS, Belfast
Intraoperative blood flow in this patient increased after
division of fibers of the median arcuate ligament.

Anomalous Drainage of the Common Bile Duct Into the Fourth Portion
of the Duodenum: Clinical Sequelaes ........................................... 1077
Jeff Doty, MD, Eric Hassall, MD, Eric Fonkalsrud, MD, Los Angeles
Two children with this anomaly required a choledochoenteric
anastomosis for relief of their abdominal pain.

Esophageal Motor Dysfunction in an Adult With a Congenital
Tracheoesophageal Fistula ...................................................... 1082
Steven R. Gundry, MD, Mark B. Orringer, MD, Ann Arbor, Mich
Abnormal esophageal motor function seemed to be of
congenital origin in this patient.

TECHNIQUE

Combined Cadaveric Hepatic and Renal Organ Procurement in Infants:
Technique for Salvage of All Organs ........................................... 1084
Rodney J. Taylor, MD; J. Thomas Rosenthal, MD; Thomas R. Hakala, MD, Pittsburgh
Combined liver and kidney transplant from pediatric donors
with an anomalous origin of the right hepatic artery was
successful in two cases.

REGULAR DEPARTMENTS

Correspondence and Brief Communications ............................................... 1088
Wash Away a Bellyache Gerald Moss, MD, PhD, Troy, NY ... Endarterectomy and Restenosis Mary Paula Colgan, MB; Violet
Kingston, SRN; Gregor Shanik, MD, MCh, FRCS, FRCSI, FACS, Dublin ... Polytetrafluoroethylene Grafts for Leg ischemia:
Facts and Fiction C. Del Campo, MD, FRCS(C), Halilfax, Nova Scotia; William J. Quinones-Baldridge, MD, Wesley S. Moore, MD,
Los Angeles

Books ......................................................................................... 1090
Clinical Biophysics (Anbar, Spangler, Scott) Reviewed by Ben Eiseman, MD, Denver ... Nonsurgical Biliary Drainage
(Classen, Geenen, Kawai, eds) Reviewed by Ben Eiseman, MD, Denver ... Gastrointestinal Endoscopy for Surgeons (Pearl)
Reviewed by Greg Van Stiegmann, MD, Denver ... Mastery of Surgery (Nyhus, Baker, eds) Reviewed by Charles Abernathy, MD, MD,
Denver ... Vascular Surgery: Principles and Techniques (Haimovici, ed) Reviewed by Robert G. Scribner, MD, San Mateo, Calif
... Respiratory Intensive Care of the Adult Surgical Patient (Bonner, Hall) Reviewed by Ben Eiseman, MD, Denver ... Hepatic
Radiography (Bernardino, Sones), Atlas of Hepatic Tumors and Focal Lesions: Arteriographic and Tomographic Diagnosis
(Gutierrez, Schwartz) Reviewed by Ben Eiseman, MD, Denver ... Manual on Control of Infection in Surgical Patients
(Altemeier, Burke, Pruitt) Reviewed by Ben Eiseman, MD, Denver ... Current Therapy in Otolaryngology: Head and Neck
Surgery, 1984-1985 (Gates, ed) Reviewed by Bruce Jafek, MD, Denver ... The Design and Utilization of Operating Theatres
(Johnston, Hunter, eds) Reviewed by Harvey R. Bernard, MD, Albany, NY

Calendar of Events ........................................................................... 1092

Index to Advertisers ........................................................................... 982

Instructions for Authors ..................................................................... 996

988 Arch Surg—Vol 120, Sept 1985