

## EDITORIAL BOARD

Editor

**Claude H. Organ, Jr, MD**

*Archives of Surgery*

University of California-Davis, East Bay

1411 E 31st St

Oakland, CA 94602

Associate Editor

**Patrick L. Twomey, MD**

Martinez, Calif

Consulting Editors

**Arthur E. Baue, MD**

St Louis, Mo

**F. William Blaisdell, MD**

Sacramento, Calif

**Thomas Hunt, MD**

San Francisco, Calif

**Victor Richards, MD**

San Francisco, Calif

Consultant in Surgical History

**Ira M. Rutkow, MD, MPH, DrPH**

Freehold, NJ

Editorial Assistant

**Margaret M. Kosiba**

Oakland, Calif

**Nancy L. Ascher, MD, PhD**, San Francisco, Calif  
**Charles M. Balch, MD**, Houston, Tex  
**Clyde F. Barker, MD**, Philadelphia, Pa  
**Robert W. Beart, Jr, MD**, Scottsdale, Ariz  
**John F. Burke, MD**, Boston, Mass  
**Karen E. Deveney, MD**, Portland, Ore  
**Calvin B. Ernst, MD**, Detroit, Mich  
**Donald S. Gann, MD**, Baltimore, Md  
**Lazar J. Greenfield, MD**, Ann Arbor, Mich  
**Alden H. Harken, MD**, Denver, Colo  
**Robert E. Hermann, MD**, Cleveland, Ohio  
**Joseph A. Ignatius, MD**, San Francisco, Calif  
**Donald L. Kaminski, MD**, St Louis, Mo  
**LaSalle D. Leffall, Jr, MD**, Washington, DC  
**David L. Nahrwold, MD**, Chicago, Ill  
**Basil A. Pruitt, Jr, MD**, San Antonio, Tex  
**John L. Sawyers, MD**, Nashville, Tenn  
**Bruce E. Stabile, MD**, San Diego, Calif  
**Norman W. Thompson, MD**, Ann Arbor, Mich  
**Donald D. Trunkey, MD**, Portland, Ore  
**Andrew L. Warshaw, MD**, Boston, Mass

Official Publication of the New England Surgical Society, Pacific Coast Surgical Association, Society of Surgical Oncology, Surgical Infection Society, Western Surgical Association

Copyright ©1992 by the  
American Medical Association

**SUBSCRIPTION RATES**—The subscription rates for the ARCHIVES OF SURGERY are as follows: \$90 for 1 year, \$163 for 2 years in the United States and US possessions; all other countries, 1 year, \$125; 2 years, \$233 for expedited air delivery. (Rates for subscriptions for delivery to Japan or South Korea are available through exclusive agents—contact the publisher.) **Special rates for residents and medical students in the United States and US possessions are available.** Address inquiries to Subscriber Services Center, American Medical Association, 515 N State St, Chicago, IL 60610. Phone: (800) 262-2350. Fax: (312) 464-5831.

The ARCHIVES OF SURGERY (ISSN 0004-0010) is published monthly by the American Medical Association, 515 N State 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.

**CHANGE OF ADDRESS**—POSTMASTER, send all address changes to ARCHIVES OF SURGERY, Attention: Subscription Department, 515 N State St, Chicago, IL 60610. Notification of address change must be made at least 6 weeks in advance. Include both old and new addresses, a recent mailing label, and your new ZIP code.

GST registration number: R 126 225 556

# ARCHIVES

OF

# Surgery

Vol 127

No. 12

DECEMBER 1992

## PAPERS PRESENTED AT THE 45TH ANNUAL CANCER SYMPOSIUM OF THE SOCIETY OF SURGICAL ONCOLOGY, NEW YORK, NY, MARCH 15-18, 1992

### Radiation-Associated Sarcoma of Bone and Soft Tissue

1379

Mary Susan Brady, MD; Jeffrey J. Gaynor, PhD; Murray F. Brennan MD

- Survival was independent of histologic subtype or site of disease.

### Prognostic Factors in Node-Negative Breast Cancer

1386

Houston Johnson, Jr, MD; Shahla Masood, MD; Claudio Belluco, MD;  
Abdel-Moneim Abou-Azama, MD; Supranee Dee, MD;  
Leonard Kahn, MD; Leslie Wise, MD

- Tumor size had the major impact on survival; multivariate analysis showed the greatest effect on prognosis.

### Ten-Year Follow-up of Breast Carcinoma In Situ in Connecticut

1392

Barbara A. Ward, MD; Charles F. McKhann, MD; T. S. Ravikumar, MD

- 16.8% of the patients with ductal carcinoma in situ and 5.9% of the patients with lobular carcinoma in situ were diagnosed with another unrelated cancer.

### Potency, Cure, and Local Control in the Operative Treatment of Rectal Cancer

1396

Warren E. Enker, MD

- Autonomic nerve-preserving pelvic sidewall dissection combines the benefits of curative resection and local control with reduced morbidity and preserves potency.

### Lung Resection for Colorectal Metastases: 10-Year Results

1403

Patricia M. McCormack, MD; Michael E. Burt, MD, PhD;

Manjit S. Bains, MD; Nael Martini, MD;

Valerie W. Rusch, MD; Robert J. Ginsberg, MD

- Resection of pulmonary metastases from colorectal carcinoma translates into long-term survival benefit.

Continued on page 1373.

## American Medical Association

Physicians dedicated to the health of America

The ARCHIVES OF SURGERY is a member of the consortium of AMA journals listed below. The ARCHIVES reaches more than 32 900 readers in 85 countries each month. The complete text of all AMA journals is available on the MEDIS database from Mead Data Central, Dayton, Ohio.



**The Journal of the American Medical Association (JAMA)**

**American Journal of Diseases of Children (AJDC)**

**Archives of Dermatology**

**Archives of Family Medicine**

**Archives of General Psychiatry**

**Archives of Internal Medicine**

**Archives of Neurology**

**Archives of Ophthalmology**

**Archives of Otolaryngology—  
Head & Neck Surgery**

**Archives of Pathology  
& Laboratory Medicine**

**Archives of Surgery**

**James S. Todd, MD**, Executive Vice President

**Kenneth E. Monroe**, Deputy Executive Vice President

**Larry E. Joyce**, Senior Vice President

**George D. Lundberg, MD**, Editor-in-Chief, Scientific Publications

**Robert L. Kennett**, Vice President, Publishing

**Michael D. Springer**, Associate Publisher

**Nawin Gupta, PhD**, Director, Publishing Operations Division

**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. The appearance of advertising in AMA publications is not an AMA guarantee or endorsement of the product or the claims made for the product by the manufacturer.

**ADVERTISING OFFICES: SALES MANAGER;** John P. Cahill, East: Donald M. Blatherwick, 600 Third Avenue, Suite 3700, New York, NY 10016 (212) 867-6640; Midwest/Far West: Jeffery P. Bonistalli, 515 North State Street, Chicago, IL 60610 (312) 464-2551

Please address communications concerning accepted or published communications to AMA Specialty Journals, 515 N State St, Chicago, IL 60610.

All articles published, including editorials, letters, and book reviews, represent the opinions of the authors and do not reflect the official policy of the American Medical Association, the Editorial Board, or the institution with which the author is affiliated, unless this is clearly specified.



# ARCHIVES

## Resection of Lung Metastases From Soft-Tissue Sarcomas: A Multivariate Analysis 1407

Gary T. Verazin, MD; James A. Warneke, MD; Deborah L. Driscoll; Constantine Karakousis, MD; Nicholas J. Petrelli, MD; Hiroshi Takita, MD

- Complete resection of pulmonary metastases from soft-tissue sarcoma can prolong survival even if multiple metastases are present.

## Recurrence Patterns and Outcome in 1019 Patients Undergoing Axillary or Inguinal Lymphadenectomy for Melanoma 1412

Michele A. Gadd, MD, Daniel G. Coit, MD

- The authors recommend selective resection in the treatment of recurrences after lymphadenectomy.

## Immunotherapy With a Tumor-Infiltrating Lymphocyte Clone, Soluble Antigen, and Cyclophosphamide 1417

Hirotsuka Komichi, MD, PhD; Scott Smith; Barry D. Kahan, MD, PhD

- This combination prolonged host survival from  $39.6 \pm 1.6$  to  $57.2 \pm 4.7$  days.

## ORIGINAL ARTICLES

## A Small-Bowel Segment as a Total Extrahepatic Bile Duct Replacement 1424

Thomas C. Böttger, MD, Theo Junginger, MD

- A pedicle small-bowel segment presents a very promising option for replacement of the extrahepatic biliary tract.

## Nuclear DNA Analysis of Hyperplastic Parathyroid Glands in Multiple Endocrine Neoplasia Type I 1430

Makoto Komatsu, MD; Ronald H. Nishiyama, MD; C. Bruce Bagwell, MD, PhD

- There is a difference in nuclear DNA content between hyperplastic parathyroid glands in patients with MEN I and those in patients without MEN.

## Photodynamic Therapy in the Management of Neoplasms of the Perianal Skin 1436

Nicholas J. Petrelli, MD; Jose A. Cebollero, MD; Miguel Rodriguez-Bigas, MD; Thomas Mang, PhD

- Adjuvant photodynamic therapy resulted in good short-term control in four patients.

## Paragangliomas of the Neck 1441

G. Blaine Bishop, Jr, MD; Marshall M. Urist, MD; Taher El Gammal, MD; Glenn E. Peters, MD; William A. Maddox, MD

- Diagnostic options, operative principles, and complications are discussed.

*Continued on page 1377.*

## PUBLICATION STAFF

Offices: 515 N State St  
Chicago, IL 60610

### Editorial Processing Department

**Director:** Cheryl Iverson

**Assistant Director:** Paula Glitman

**Manager:** Daniel Knight

**Free-lance Coordinator:** Vickey Golden

**Assistant Free-lance Coordinator:**

Richard T. Porter

**Senior Copy Editor/Atex Specialist:** Paul Frank

**Copy Editors:**

Laura Bleiler

Diane L. Cannon

Mary E. Coerver

Beena Rao

Janice Snider

**Manuscript Records Clerk:** Tonja Glover

**Publishing Operations Division Office**

**Manager, Budgets & Costs:** Bonnie Van Clevon

**Manager, Advertising Activities:**

Vanessa Hayden

**Staff Assistant:** Karen Branham

**Production Assistants:**

Valerie Balkcom

Lana Rivera

**Electronic Production Department**

**Director:** Mary C. Steermann

**Manager, Art/Design:** Thomas J. Handrigan

**Assistant Manager:** JoAnne Weiskopf

**Electronic Art and Layout:** Julianna K. Mills

**Electronic Coordinator:** Mary Ellen Johnston

**Manager, Electronic Production:** Jaye Dickson

**Electronic Production Associate:** Linda Knott

**Electronic Production Operators:**

Brenda Chandler-Haynes

Leslie Koch

Mary Ann Kuranda

Debra Lucas

Lisa Swanson

Regina Vander Reyden

**Manager, Proofreading:** Barbara Clark

**Proofreaders:**

Gwen Gilberg

Teresa H. Omiotek

Jennifer Reiling

**Production Department**

**Director:** Carl Braun

**Staff Assistant:** Diane Darnell

**Manager:** Susan Price

**Production Associates:**

Debbie Pogorzelski

Christine M. Wagenknecht

**Senior Production Assistants:**

Kira Culver

Lana C. Hampton

Katherine R. Mutchnik

E. Ruth White

**Production Assistants:**

Janey Stennis

Jo Anne Turner

**Circulation Department**

**Director:** Beverly Martin

**Reprints:** Rita Houston

**Fulfillment Department**

**Director:** Raymond Healy

**Specialty Journals Division Office**

**Marketing Services Manager:** Geoffrey Flick

**Communications Coordinator:** Julie Foreman

**Administrative Assistant:** Marla Hall

**Scientific and Socioeconomic**

**Indexing Department**

**Director:** Norman Frankel

**Staff:**

George Kruto

Mary Kay Tinerella

# ARCHIVES

## Randomized Trial of Preoperative Chemotherapy for Squamous Cell Cancer of the Esophagus 1446

Peter M. Schlag, MD, PhD

• Preoperative chemotherapy neither influences resectability nor increases overall survival of patients with localized esophageal cancer.

## SPECIAL ARTICLE

## The Horror Autotoxic and Multiple-Organ Failure 1451

Arthur E. Baue, MD

• Ultimately, prevention of multiple organ failure requires sound surgical judgment, techniques, and organ support.

## BASIC SCIENCE

## The Hypothalamic-Pituitary-Adrenal-Immune Axis: A Critical Assessment 1463

Michael P. Lilly, MD, Donald S. Gann, MD

## CLINICAL OBSERVATION

## Nodular Hyperplasia, Black Thyroid, and Chronic Minocycline Ingestion in a Teenager 1476

David L. Folsom, MD; Michael W. L. Gauderer, MD; William T. Dahms, MD

## CORRECTION

## Long-term Results of Treatment of Budd-Chiari Syndrome With Portal Decompression 1428

Marshall J. Orloff, MD; Mark S. Orloff, MD; Pat O. Daily, MD

## REGULAR DEPARTMENTS

## Correspondence and Brief Communications 1478

## Index to Advertisers 1376

## Index to Volume 127 1479

## Classified Advertising 1509

Instructions for Authors—See August 1992 issue, p 880.