

ARCHIVES

OF

FACIAL PLASTIC SURGERY

The ARCHIVES OF FACIAL PLASTIC SURGERY is a member of the consortium of AMA journals listed below. The complete text of all AMA journals is available online from Dialog Information Services and Ovid Technologies, Inc.

The Journal of the American Medical Association (JAMA)

Archives of Dermatology
Archives of Facial Plastic Surgery
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 Pediatrics & Adolescent Medicine
Archives of Surgery

The ARCHIVES OF FACIAL PLASTIC SURGERY (ISSN 1521-2491) is published quarterly by the American Medical Association, 515 N State St, Chicago, IL 60610-0946, and is an official publication of the Association. Application to mail at periodical-class rates pending at Chicago, IL, and at additional mailing offices. GST registration number: 12622 5556 RT. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 1451871.

Printed in the USA.

Official publication for American Academy of Facial Plastic and Reconstructive Surgery, Inc, American Society for Head and Neck Surgery, and American Society of Pediatric Otolaryngology.

SUBSCRIPTION RATES—The personal subscription rates for the ARCHIVES OF FACIAL PLASTIC SURGERY are \$110 for 1 year (4 issues) in the United States and US possessions; \$130 in the Americas; £79 outside the Americas. The institution rates for 1 year are \$175 in the United States; \$195 in the Americas; £125 outside the Americas. Special rates for residents, medical students, and AMA/AAFP members are available. Address all subscription communications to: Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946. Phone: (800) 262-2350. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

CHANGE OF ADDRESS—POSTMASTER, send all address changes to ARCHIVES OF FACIAL PLASTIC SURGERY, c/o Subscriber Services, American Medical Association, 515 N State St, Chicago, IL 60610. Please notify us of address change at least 6 weeks in advance to ensure uninterrupted service. Include both old and new addresses, a recent mailing label, and new ZIP code. For mailing addresses outside the United States and US possessions, see International Subscription Information.

SUBSCRIBER SERVICES—For information about subscribing to any of the AMA publications, change of address, missing issues, or purchasing back issues, please contact Subscriber Services Center, American Medical Association, PO Box 10946, Chicago, IL 60610-0946, or call (800) 262-2350 or (312) 670-SUBS (670-7827) between 8:30 AM and 4:30 PM CST. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. For mailing addresses outside the United States and US possessions, see International Subscription Information.

INTERNATIONAL SUBSCRIPTION INFORMATION—Subscriptions outside the United States and US possessions are served according to geographic region. Please address correspondence to the following 2 offices based on delivery address: (1) For delivery in North America, Central America, and South America, contact Subscriber Services, AMA, PO Box 10946, Chicago, IL 60610-0946. Phone: (312) 670-7827. Fax: (312) 464-5831. E-mail: ama-subs@ama-assn.org. (2) For delivery outside the Americas, contact JAMA & Archives Journals, Reader Services Centre, PO Box 299, London WC1H 9TD, England. Phone: +44 (0)171-383-6270. Fax: +44 (0)171-383-6402. E-mail: jama-archives@dial.pipex.com.

REPRINTS—Authors place their reprint order at the time the edited typescript is reviewed and should allow 4 to 6 weeks for delivery following publication. Requests for individual reprints should be sent directly to the author at the address shown in the article.

For bulk reprint orders for distribution by commercial organizations, please contact Wanda Bartolotta, 500 Fifth Ave, #2210, New York, NY 10110. Phone: (212) 354-0050. Fax: (212) 354-1169. E-mail: wanda_bartolotta@ama-assn.org. For reprint orders in limited quantities for distribution by educational organizations and for author reprints, please contact Reprint Coordinator, 515 N State St, Chicago, IL 60610. Phone: (312) 464-4594. Fax: (312) 464-4849.

PERMISSIONS—Contact Rhonda Bailey, Permissions Assistant, 515 N State St, Chicago, IL 60610. Phone: (312) 464-2513.

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.

WORLD WIDE WEB ADDRESS—<http://www.ama-assn.org>

FACIAL PLASTIC SURGERY HOME PAGE—<http://www.archfacial.com>

Publication Staff

Offices: 515 N State St, Chicago, IL 60610

Editorial Processing Department, Archives Journals

Director: Paula Glitman
Manager: Lise M. Stevens
Freelance Manager: Diane L. Cannon
Freelance Coordinators:
Mark Berthold
Connie Manno

Electronic Editing Specialist: Paul Frank

Assistant Electronic Editing Specialist:
Monica Mungle

Senior Copy Editors:
Dee E. Egger
Vickey Golden
Brande Martin

Copy Editors:
Keith Huff
John McFadden
Jennifer L. Reddy

Editorial Assistant: Wanda Hill

Scientific Information & Multimedia Group

Staff Assistant: Helga Fritz

Scientific Online Resources

Director: Margaret Winker, MD

Electronic Media Department
Director: Marty Suter

Assistant Editors:
Neil Shankman
Wendi Williams

Staff Assistant: Marla A. Hall

Production & Distribution Division

Manager, Budgets & Costs:

Bonnie Van Clevon

Publishing Manufacturing Analyst:
Diane Darnell

Office Manager: Karen Branham

Production Assistant: Shannon Epplert

Advertising & Production Department

Director: Karen Adams-Taylor

Production Specialist: Terri Hanley

Manager, Advertising Services:
Carole Piszker

Manager, Production Services:
Susan Price

Supervisor, Production Services:
Betty Frigerio

Production Associates:

Mary Ann Donley
Mari Guizzetti
Sarah Powell
Denise Steinhauser
Jo Anne Turner

Production Assistant:
Bryan Irzyk

Distribution

Distribution Manager: Paul Gasielki

Distribution Analyst:
Michelle Robinson

Traffic Control Specialist:
Victoria Buckner

Specialty Journal Division Office

Assistant to the Publisher:
Christine Hearne

**Circulation & Content
Marketing Division**

Administrative Assistant:
Millette Jackson-Bates

Circulation Processing Department

Director: Beverly Martin

Subscriber Services Manager:
Susan Stoken

Circulation Systems Manager:
Alfred Tomaselli

Circulation Specialists:
Reginald Jordan
Kathryn Osten

Circulation Development Department

Director: Bina Oza

Circulation Marketing Managers:
Robert Herling
Audrey Mathies
Timothy Ryan

Circulation Marketing Specialists:
Sandra Garzon
Michael McGraw

Licensing & Permissions Department

Director: Norman Frankel

Permissions: Rhonda Bailey

International Coordinator: Sharon Ali

Electronic Production Department

Director: Linda Knott

Manager, Composition & Pagination:
Phil Arko

Electronic Production Specialists:

Brenda Chandler-Grayer
Heather Crego
Karl Elvin
Amy Evers
Mary Ann Kuranda
Sandra Lopez

Manager, Graphics: Charl Richey

Electronic Imaging Specialists:

Joe Amft
Noel Chaparro
Carolyn Hall
Maria Kowalkowski
Chris Meyer
JoAnne Weiskopf

Manager, Proofreading:
Teresa H. Omitek

Proofreaders:

David Antos
Daniel James
Rachel Novickas
Mary Kay Tinerella
Barbara Wojtowicz

Manager, Database & New Media:

Mary Ellen Johnston

Indexer: Kathy Gaydar

New Media Specialists:

Gail Barrett
Paul Boscoe
Joel Brammeier
Regina Brownlee
La'son J. Diggs
Anne McBride
Melanie Parenti
Angela Smits

Production Assistant: Ruth Sprague



ARCHIVES

OF

FACIAL PLASTIC SURGERY

VOL 1 NO. 4, OCTOBER-DECEMBER 1999

BRIEF COMMUNICATION

- An Electronic Textbook of Facial Plastic and Reconstructive Surgery** 245
Arlen D. Meyers, MD, MBA

ORIGINAL ARTICLE

- The Tongue-in-Groove Technique in Septorhinoplasty: A 10-Year Experience** 246
Russell W. H. Kridel, MD; Bruce A. Scott, MD; Hossam M. T. Foda, MD

COMMENTARY

- Tongue-in-Groove Technique and Septorhinoplasty: A 10-Year Experience** 257
Dean M. Toriumi, MD

ORIGINAL ARTICLE

- Resorption Beneath Silastic Mandibular Implants: Effects of Placement and Pressure** 261
David C. Pearson, MD; David A. Sherris, MD

COMMENTARY

- Discussion of Resorption Beneath Silastic Mandibular Implants: Effects of Placement and Pressure** 265
Dale S. Bloomquist, DDS, MS

ORIGINAL ARTICLES

- Evaluation of Past and Present Hair Replacement Techniques: Aesthetic Improvement, Effectiveness, Postoperative Pain, and Complications** 266
Stephen C. Adler, MD; Daniel Rouso, MD

- Quantification of Skin Elasticity Changes Associated With Pulsed Carbon Dioxide Laser Skin Resurfacing** 272
R. James Koch, MD; Elbert T. Cheng, MD

- Digital vs 35-mm Photography: To Convert or Not to Convert?** 276
Mimi S. Kokoska, MD; John W. Currens, MD; Chris S. Hollenbeak, MA; J. Regan Thomas, MD; Brendan C. Stack, Jr, MD

- Feedback-Controlled Laser-Mediated Cartilage Reshaping** 282
Brian J. F. Wong, MD; Thomas E. Milner, PhD; Andrew Harrington; Jason Ro; Xavier Dao; Emil N. Sobol, PhD; J. Stuart Nelson, MD, PhD

- Epidemiology of Facial Injury in Female Blunt Assault Trauma Cases** 288
David Greene, MD; Corey S. Maas, MD; Gerard Carvalho, MD; Raymond Raven, MD

American Medical Association

Physicians dedicated to the health of America



Copyright 1999 by the American Medical Association. All rights reserved. Reproduction without permission is prohibited.

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

E. Ratcliffe Anderson, Jr, MD
Executive Vice President,
Chief Executive Officer

Lynn E. Jensen, PhD
Chief Operating Officer

Robert A. Musacchio, PhD
Senior Vice President,
Publishing & Business Services

Robert L. Kennett
Vice President, Publishing

Peter L. Payerli
Publisher

Peter G. Messina
National Sales Manager

Geoffrey A. Flick
Manager, Marketing Services

Cheryl Iverson
Director, Editorial Processing Division

Vanessa Hayden
Director, Production &
Distribution Division

James A. Skowrenski
Director, Circulation &
Content Marketing Division

Advertising Offices: East: Philip G. Soufleris,
119 Cherry Hill Rd, 3rd Flr, Parsippany,
NJ 07054 (973)263-9191.

Midwest/West: J. P. Cahill & Associates,
341 S Waiola Ave, La Grange, IL 60525
(708) 352-0322.

AMA Classified Advertising Department:
Thalia Moss, 800-262-2260.

Efficacy of Octyl-2-Cyanoacrylate Tissue Glue in Blepharoplasty: A Prospective Controlled Study of Wound-Healing Characteristics 292
David Greene, MD; R. James Koch, MD;
Richard L. Goode, MD

Nasal Reconstruction in the Elderly Patient: The Case for Not Letting Age Determine Method 297
Kevin A. Shumrick, MD; Andrew Campbell, MD;
Ferdinand Becker, MD

CRAFT OF FACIAL PLASTIC SURGERY

Management of Infraorbital Dark Circles: A Significant Cosmetic Concern 303
Jeffrey S. Epstein, MD

Treatment of Occipital Acne Keloidalis by Excision Followed by Secondary Intention Healing 308
Joseph Califano, MD; Stanley Miller, MD;
John Frodel, MD

The Contoured Auricular Projection Graft for Nasal Tip Projection 312
Jennifer Parker Porter, MD;
M. Eugene Tardy, Jr, MD;
Jacqueline Cheng, MD

Extended Applications for Endoscopic Forehead Surgery 316
Philip J. Miller, MD; Daniel Grinberg, MD;
Marc Zimble, MD

UNFAVORABLE OUTCOME

An Unexpected Occurrence of Acute Contact Dermatitis During Rhinoplasty 320
David C. Mabrie, MD; Ira D. Papel, MD

REPORTER

RHINOPLASTY FOR THE NEW MILLENNIUM 322

The Advanced Rhinoplasty Course
Deborah Watson, MD

PERSPECTIVES

Jacques Joseph: Surgical Sculptor 324
Rudy Triana, MD

DEPARTMENTS

Highlights of Archives of Facial Plastic Surgery 243

Reviewers List 244

Products & Services 326

Index to Volume I 327

Classified Advertising 335

Index to Advertisers 336

Information for Authors—
See January-March 1999 issue, page 68,
or visit the Web site at www.archfacial.com

ARCHIVES OF FACIAL PLASTIC SURGERY

Editor:

Wayne F. Larrabee, Jr, MD
600 Broadway, Suite 280
Seattle, WA 98122

Editorial Board:

Peter A. Adamson, MD
Toronto, Ontario
Richard L. Anderson, MD
Salt Lake City, Utah
Dale Bloomquist, DDS
Seattle, Wash
Gary Burget, MD
Chicago, Ill
Mack L. Cheney, MD
Boston, Mass
Mark V. Connelly, MD
La Crosse, Wis
Jaime R. Garza, MD
San Antonio, Tex
Robert A. Goldberg, MD
Los Angeles, Calif

Peter A. Hilger, MD
Edina, Minn
George J. Hruza, MD
St Louis, Mo
Sheldon S. Kabaker, MD
Oakland, Calif
Gregory S. Keller, MD
Santa Barbara, Calif
Ira D. Papel, MD
Owings Mills, Md
William W. Shockley, MD
Chapel Hill, NC
Michael J. Sullivan, MD
Columbus, Ohio
Sherard A. Tatum III, MD
Syracuse, NY
J. Regan Thomas, MD
St Louis, Mo
Dean M. Toriumi, MD
Chicago, Ill
John A. Zitelli, MD
Pittsburgh, Pa

Section Editors:

Web Editor
Arlen D. Meyers, MD
Denver, Colo

International Innovations
Ted A. Cook, MD
Portland, Ore

Book and Multimedia Reviews
Shan R. Baker, MD
Livonia, Mich

New Technology and Devices
Richard L. Goode, MD
Los Altos, Calif

Perspectives
Robert L. Simons, MD
North Miami Beach, Fla

Beauty
Norman J. Pastorek, MD
New York, NY

Unfavorable Outcome
S. Randolph Waldman, MD
Lexington, Ky

Fellow's Page
Tom D. Wang, MD
Portland, Ore

International Advisory Board:

Michael P. Stearns, FRCS
London, England
Jaime Fandino I., MD
Mexico City, Mexico
Fernando C. Pedrosa, MD
Santafe de Bogotá, Colombia
Martyn Mendelsohn, MB
Chatswood, NSW, Australia
Gilbert J. Nolst Trenitè, MD
Amsterdam, the Netherlands