

# ARCHIVES OF DERMATOLOGY

The ARCHIVES OF DERMATOLOGY 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 DERMATOLOGY (ISSN 0003-987X) is published monthly by the American Medical Association, 515 N State St, Chicago, IL 60610, and is an official publication of the Association. The ARCHIVES OF DERMATOLOGY reaches more than 14 000 readers in over 95 countries each month. Periodicals postage paid at Chicago, IL, and at additional mailing offices. GST registration number: 12622 5556 RT. Canada Post International Publications Mail (Canadian Distribution) Sales Agreement No. 319317.

Printed in the USA.

**SUBSCRIPTION RATES**—The personal subscription rates for the ARCHIVES OF DERMATOLOGY are \$195 for 1 year (12 issues) in the United States and US possessions; \$245 in the Americas; £145 outside the Americas. The institution rates for 1 year are \$295 in the United States; \$395 in the Americas; £245 outside the Americas. Special rates for residents and medical students 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 DERMATOLOGY, 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 Subscription Department, JAMA & Archives Journals, American Medical Association, Tower House, Sovereign Park, Market Harborough, Leicestershire LE15 9EF, England. Telephone: +44 (0) 1858-438880. Fax: +44 (0) 1858-434958.

**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>

**DERMATOLOGY HOME PAGE**—<http://www.archdermatol.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:**

Gwen Chaffin

Connie Manno

**Electronic Editing Specialist:**

Paul Frank

**Assistant Electronic Editing Specialist:**

Monica Mungle

**Senior Copy Editors:**

Dee E. Egger

Vickey Golden

**Copy Editors:**

Keith Huff

John McFadden

Jennifer L. Reddy

**Editorial Assistant:** Wanda Hill

**Scientific Publications  
& Multimedia Applications**

**Staff Assistant:** Helga Fritz

**Scientific Online Resources**

**Director:** Margaret Winker, MD

**Electronic Media Department**

**Director:** Marty Suter

**Assistant Editors:**

Brandt Martin

Neil Shankman

**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 Anne Donley

Sarah Powell

Denise Steinhauser

Jo Anne Turner

Carmela Ware

**Production Assistant:**

Susan Chiara

Bryan Irzyk

**Distribution**

**Distribution Manager:** Paul Gasiecki

**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:** Robert Herling

**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:**

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**

**Manager, Composition & Pagination:**

Phil Arko

**Electronic Production Specialists:**

Brenda Chandler

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

**Proofreaders:**

David Antos

Daniel James

Rachel Novickas

Teresa H. Omiotek

Mary Kay Tinerella

Barbara Wojtowicz

**Manager, Database & New Media:**

Mary Ellen Johnston

**Indexer:** Kathy Gaydar

**New Media Specialists:**

Gail Barrett

Joel Brammeier

Regina Brownlee

La'son J. Diggs

Melanie Parenti

Angela Smits

**Production Assistant:** Ruth Sprague



# ARCHIVES

OF

# DERMATOLOGY

VOL 136 NO. 2, FEBRUARY 2000

## STUDIES

- Serum Levels of Autoantibodies to BP180 Correlate With Disease Activity in Patients With Bullous Pemphigoid** 174  
*Enno Schmidt, MD; Karin Obe; Eva-Bettina Bröcker, MD; Detlef Zillikens, MD*
- A Randomized, 12-Year Primary-Prevention Trial of Beta Carotene Supplementation for Nonmelanoma Skin Cancer in the Physicians' Health Study** 179  
*Uta M. Frieling, MD; Debra A. Schaumberg, ScD, MPH; Thomas S. Kupper, MD; Jorg Muntwyler, MD; Charles H. Hennekens, MD*
- Decision Support Software to Help Primary Care Physicians Triage Skin Cancer: A Pilot Study** 187  
*Barbara Gerbert, PhD; Amy Bronstone, PhD; Toby Maurer, MD; Roger Hofmann; Timothy Berger, MD*
- Expression of p53 in Arsenic-Related and Sporadic Basal Cell Carcinoma** 195  
*Waranya Boonchai, MD; Michael Walsh, BSc; Margaret Cummings, FRCPath, PhD; Georgia Chenevix-Trench, PhD*
- Melanoma Screening: Report of a Survey in Occupational Medicine** 199  
*Philippe Guibert, MD; François Mollat, MD; Marc Ligen, MD; Brigitte Dreno, PhD*

## OBSERVATIONS

- Fibrosing Alopecia in a Pattern Distribution: Patterned Lichen Planopilaris or Androgenetic Alopecia With a Lichenoid Tissue Reaction Pattern?** 205  
*Martin S. Zinkernagel, Cand Med; Ralph M. Trüeb, MD*
- Clinical Findings in Mosaic Carriers of Hypohidrotic Ectodermal Dysplasia** 217  
*Stefano Cambiaghi, MD; Lucia Restano, MD; Kati Pääkkönen, MSc; Ruggero Caputo, MD; Juha Kere, MD, PhD*
- Inflammatory Variant of Epidermolysis Bullosa Acquisita With IgG Autoantibodies Against Type VII Collagen and Laminin  $\alpha 3$**  227  
*Marcel F. Jonkman, MD, PhD; Jacqueline Schuur, MD; Freark Dijk; Klaas Heeres; Marcellus C. J. M. de Jong, PhD; Jan B. van der Meer, MD, PhD; Kim B. Yancey, MD; Hendri H. Pas, PhD*

## EDITORIALS

- A New Look at Scarring Alopecia** 235  
*COL Leonard C. Sperling, MC, USA; Alvin R. Solomon, MD; David A. Whiting, MD*
- Prevention of Nonmelanoma Skin Cancer** 245  
*John A. Baron, MD; E. Robert Greenberg, MD*

## American Medical Association

Physicians dedicated to the health of America



Copyright 2000 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

**Catherine D. DeAngelis, MD, MPH**  
Editor in Chief, Scientific Publications  
& Multimedia Applications

**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

### Advertising Office:

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

**Midwest/West:** Alexis O'Connell, 515 N State  
St, Chicago, IL 60610 (312) 464-2470.

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

- Decision Support Is Changing Health Care** 249  
*Joseph C. Kvedar, MD; Eric R. Menn*
- Levels of Antibodies to BP180 Correlate With Disease Activity in Bullous Pemphigoid** 253  
*Diya F. Mutasim, MD*

#### OFF-CENTER FOLD

- Recalcitrant Patch of Alopecia on the Scalp** 259  
*Long T. Quan, MD, PhD; J. Wade Strong, MD; Sylvia Hsu, MD*
- Acquired Nodule on the Right Side of the Nose** 259  
*Jeffrey A. Evanson, MD; Charles E. Crutchfield III, MD; Iftikhar Ahmed, MD*
- Truncal Hypopigmented Macules and Facial Hyperpigmented Papules** 259  
*L. R. Whittam, MRCP; D. M. MacDonald, FRCP; E. Calonje; J. Breuer, MD, MRCPATH; P. Spink; J. N. W. N. Barker, FRCP*

- Penile Necrosis** 259  
*Valeria P. Boccaletti, MD; Roberto Ricci, MD; Nicola Sebastio, MD; Pietro Cortellini, MD; Alberto Alinovi, MD*

#### FROM THE MMWR

- Inadvertent Use of Bicillin® C-R for Treatment of Syphilis—Maryland, 1998** 278

#### THE CUTTING EDGE

- Low-Dose Methotrexate Controls a Severe Form of Polyarteritis Nodosa** 167  
*Ingrid Boehm, MD; Ralf Bauer, MD*

#### CRITICAL SITUATIONS

- “Strawberry” Gingival Hyperplasia: A Pathognomonic Mucocutaneous Finding in Wegener Granulomatosis** 171  
*J. Matthew Knight, BA; Michael J. Hayduk, DDS, MSD; Don-John Summerlin, DMD; Ginat W. Mirowski, DMD, MD*

## ARCHIVES OF DERMATOLOGY

#### Editor:

**Kenneth A. Arndt, MD**  
Beth Israel Deaconess Medical Center  
330 Brookline Ave, LY 127-1  
Boston, MA 02215

#### Coeditor:

**Robert S. Stern, MD**  
Boston, Mass

#### Editorial Coordinator:

**Sandra M. Yong**  
Boston, Mass

#### Editorial Office

(617) 667-3200  
Fax (617) 667-4948  
e-mail:

ArchiveDerm@caregroup.harvard.edu

#### Section Editors:

##### Archives a Century Ago:

**Mark Bernhardt, MD**

##### Critical Situations:

**Anita G. Licata, MD**

##### The Cutting Edge:

**George J. Hruza, MD**

##### Assistant Section Editors:

**Lynn A. Cornelius, MD**  
**Jon Starr, MD**

##### Evidence-Based Dermatology:

**Damiano Abeni, MD, MPH**  
**Michael Bigby, MD**  
**Paolo Pasquini, MD, MPH**  
**Moyses Szklo, MD**  
**Hywel Williams, MSc, FRCP, PhD**

##### Issues in Dermatology:

**Kenneth A. Arndt, MD**

##### Off-Center Fold:

**Michael E. Ming, MD**

##### On the Horizon

**Gary S. Wood, MD**

##### Web Editor:

**Harvey Lui, MD, FRCP**

##### CME Editor:

**Andrew D. Samel, MD**

#### Editorial Board:

**Philip C. Anderson, MD**  
Columbia, Mo

**Timothy G. Berger, MD**  
San Francisco, Calif

**Michael Bigby, MD**  
Boston, Mass

**Mary-Margaret Chren, MD**  
San Francisco, Calif

**Ponciano D. Cruz, Jr, MD**  
Dallas, Tex

**Irene E. Edwards, MD**  
Charlotte, NC

**Richard G. Glogau, MD**  
San Francisco, Calif

**George J. Hruza, MD**  
St Louis, Mo

**Joseph L. Jorizzo, MD**  
Winston-Salem, NC

**Arnold W. Klein, MD**  
Beverly Hills, Calif

**David J. Leffell, MD**  
New Haven, Conn

**Donald P. Lookingbill, MD**  
Jacksonville, Fla

**Harvey Lui, MD, FRCP**  
Vancouver, British Columbia

**Michael E. Ming, MD**  
San Francisco, Calif

**Seth J. Orlow, MD, PhD**  
New York, NY

**John R. Stanley, MD**  
Bethesda, Md

**Stephen B. Webster, MD**  
La Crosse, Wis

**Bruce U. Wintroub, MD**  
San Francisco, Calif

**Gary S. Wood, MD**  
Cleveland, Ohio

#### Surgical Advisory Board:

**David J. Leffell, MD, Chairman**

**Marc D. Brown, MD**

**Scott W. Fosko, MD**

**Algin B. Garrett, MD**

**Richard G. Glogau, MD**

**Glenn D. Goldman, MD**

**Roy C. Grekin, MD**

**Timothy M. Johnson, MD**

**Arielle N. B. Kauvar, MD**

**Arnold W. Klein, MD**

**Barry Leshin, MD**

**S. Teri McGillis, MD**

**Stanley J. Miller, MD**

**Neil S. Sadick, MD**

**Neil A. Swanson, MD**

**Duane C. Whitaker, MD**

#### International Advisory Committee:

**Gunter Burg, MD**  
Zurich, Switzerland

**Ruggero Caputo, MD**  
Milano, Italy

**Goh Chee-Leok, MD, MBBS, MMed, MRCP, FRCP (Edin), FAMS**  
Singapore, Singapore

**Hong-Duo Chen, MD**  
Shenyang, China

**Edgardo N. Chouela, MD**  
Buenos Aires, Argentina

**Yahya Dowlati, MD, PhD**  
Tehran, Iran

**Rafael Falabella, MD**  
Cali, Colombia

**James Ferguson, MD**  
Dundee, Scotland

**Miguel Ruben Guarda, MD**  
Santiago, Chile

**Sima Halevy, MD**  
Beer-Sheva, Israel

**Roderick Hay, DM, FRCP, FRCPATH**  
London, England

**Helmut Kerl, MD**  
Graz, Austria

**Sungnack Lee, MD**  
Suwon, Korea

**José M. Mascaró, MD**  
Barcelona, Spain

**Gillian Murphy, MD**  
Dublin, Ireland

**Takeji Nishikawa, MD**  
Tokyo, Japan

**Oumeish Y. Oumeish, MD**  
Amman, Jordan

**Thada Piamphongsant, MD**  
Bangkok, Thailand

**Marcia Ramos-e-Silva, MD, PhD**  
Rio de Janeiro, Brazil

**Jean Edouard Revuz, MD**  
Creteil, France

**Hans W. Rothenborg, MD**  
Hellerup, Denmark

**Mohsen Soliman, MD**  
Cairo, Egypt

**Wolfram Sterry, MD**  
Berlin, Germany

**John D. Stratigos, MD**  
Athens, Greece

**Lourdes Tamayo, MD**  
Mexico City, Mexico

**Vermen Verallo-Rowell, MD**  
Makati City, Philippines

**B. J. Vermeer, MD**  
Leiden, the Netherlands

**Alan Bruce Watson, MBBS, DDM, FACD**  
Newcastle, Australia

**Hsin-Su Yu, MD, PhD**  
Kaohsiung, Taiwan

## ARCHIVES A CENTURY AGO

**Original Communications.** 170

## CORRESPONDENCE: COMMENTS AND OPINIONS

**“Significant” Scientific Productivity Should Be Weighed Against the Expenses Necessary to Finance It** 266  
*Giovanni Luigi Capella, MD*

**In Reply** 266  
*Robert S. Stern, MD; Kenneth A. Arndt, MD*

**Use Caution When Establishing “Routine” Prophylactic Antibiotic Procedures** 267  
*Daniel A. Gross, MD*

**In Reply** 267  
*Robert D. Griego, MD; John A. Zitelli, MD*

**The Ethical Issues of the Holmesburg Studies Have Been Addressed** 268  
*Richard L. Tannen, MD*

**Ethical Accusations: The Loss of Common Sense** 268  
*John R. Stanley, MD*

## CORRESPONDENCE: VIGNETTES

**Scarring Following Q-Switched Laser Treatment of “Double Tattoos”** 269  
*Maria Beatrice T. Alora, MD; Kenneth A. Arndt, MD; Charles R. Taylor, MD*

**Blood Transfusions and Psoriasis: Is There a Link?** 270  
*Margretta A. O’Reilly, MD; Sheri Decker, BS; Gerald G. Krueger, MD*

**Systemic Photodynamic Therapy Is a Safe and Effective Treatment for Psoriasis** 271

*Wolf-Henning Boehncke, MD; Thomas Elshorst-Schmidt, MD; Roland Kaufmann, MD*

**North American Contact Dermatitis Group Patch-Test Results, 1996-1998** 272

*James G. Marks, Jr, MD; Donald V. Belsito, MD; Vincent A. DeLeo, MD; Joseph F. Fowler, Jr, MD; Anthony F. Fransway, MD; Howard I. Maibach, MD; C. G. Toby Mathias, MD; Melanie D. Pratt, MD; Robert L. Rietschel, MD; Elizabeth F. Sherertz, MD; Frances J. Storrs, MD; James S. Taylor, MD*

**The Prevalence and Incidence of Atopic Dermatitis in a Birth Cohort:** 274

**The Importance of a Family History of Atopy**  
*Tanya O. Bleiker, MRCP; Hossain Shahidullah, MD, MRCP; Elizabeth Dutton, RGN; Robin A. C. Graham-Brown, BSc, MB, FRCP*

**Acrosclerosis in Patients With Systemic Sclerosis Responds to Low-Dose** 275

**UV-A1 Phototherapy**  
*Gregor von Kobyletzki, MD; Andrea Uhle, MD; Carsten Pieck, MD; Klaus Hoffmann, MD; Peter Altmeyer, MD, PhD*

## REGULAR DEPARTMENTS

**News and Notes** 178, 192

**Archives CME** 280

**Information for Authors and Readers** 283

**Classified Advertising** 286

**Index to Advertisers** 292

### Mission Statement

The *Archives of Dermatology* publishes information concerning the skin, its diseases, and their treatment. Its mission is to explicate the structure and function of the skin and its diseases and the art of using this information to deliver optimal care to the patient. We attempt to enhance the understanding of cutaneous pathophysiology and improve the clinician’s ability to diagnose and treat skin disorders. This journal has a particular interest in publishing clinical and laboratory studies that reveal new information pertinent to the interests and needs of the clinical dermatologist. We believe that knowledge derived from well-designed clinical trials and studies of cost-effectiveness are especially important for improving the practice of dermatology. Studies that increase the understanding of the outcome of treatment or the means by which the burden of dermatologic disease can be measured and reduced or promote the health of patients with skin disease will receive special priority. The ARCHIVES regularly publishes reports on clinical investigations, editorials, and reviews. It also features reports and discussions on clinicopathologic correlations; clinical disorders of unique didactic value; therapeutics; and ethical, moral, socioeconomic, and political issues.