

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 Information Access Company.

The Journal of the American Medical Association (JAMA)
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 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 \$150 for 1 year (12 issues) in the United States and US possessions; \$185 in the Americas; £119 outside the Americas. The institution rates for 1 year are \$209 in the United States; \$253 in the Americas; £163 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-sub@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-sub@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-sub@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: bmjsubs@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 Joseph R. Rekish, 515 N State St, Chicago, IL 60610. Phone: (312) 464-4594. Fax: (312) 464-4849.

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

DERMATOLOGY HOME PAGE—<http://www.ama-assn.org/derm>.

PERMISSIONS—Contact Ada Jimenez-Walker, 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.

Publication Staff
 Offices: 515 N State St
 Chicago, IL 60610
 Editorial Processing Department,
 Archives Journals

Director: Paula Glitman
Manager: Stacy L. Christiansen
Freelance Manager:
 Diane L. Cannon
Freelance Coordinator:
 Sandra E. Hazel
Electronic Editing Specialist:
 Paul Frank
Assistant Electronic Editing Specialist:
 Monica Mungle
Senior Copy Editor: Dee E. Egger
Copy Editors:
 Hemraneeh Bhoyroo
 Barbara Owczarek
Editorial Assistant: Celina Canchola
 Scientific Information and
 Multimedia Group

Administrative Assistant: Helga Fritz
 New Media Editorial Office

Editorial Director, New Media:
 William M. Silberg
Associate Editor: Marty Suter
Assistant Editors:
 Deborah Flapan
 Neil Shankman
Staff Assistant: Marla A. Hall

Production & Distribution Division

Manager, Budgets & Costs:
 Bonnie Van Clevon
Office Manager:
 Karen Branham
Senior Secretary:
 Shannon Epplett

Advertising & Production Department

Director: Karen Adams-Taylor
Manager, Advertising Services:
 Carole Piszker
Manager, Production Services:
 Susan Price

Production Associates:
 Debbie Camp
 Betty Frigerio
 Mari Guizzetti
 Sarah Powell
 Jennifer Reiling
 Chad Sanderson
 Mary Ann Schultz
 Carmela Ware

Production Assistant:
 Jo Anne Turner

Distribution

Distribution Manager:
 Paul Gasiecki

Electronic Production Department

Director: Linda Knott
Supervisor, Composition & Pagination:
 Phil Arko
Electronic Production Operators:
 Brenda Chandler-Haynes
 La'son J. Diggs
 Mary Ann Kuranda
 Sandra Lopez
Manager, Graphics: Charl Richey
Graphics Operators:
 Joe Amft
 Ellen Gundersen
 JoAnne Weiskopf
 Alicja Wojcik-Dunn
Manager, Proofreading:
 Teresa H. Omietek
Proofreaders:
 David Antos
 Daniel James
 Mary Kay Tinerella
 Barbara Wojtowicz

Production Assistant: Ruth Sprague
 Database & New Media

Electronic Coordinator:
 Mary Ellen Johnson
Indexer: Kathy Gaydar
Database Assistants:
 Gail Barrett
 Melanie Parenti
 Vincent Tafoya

Specialty Journal Division Office

Assistant to the Publisher:
 Christine Hearne

Publications Marketing & New Media Division

Administrative Assistant:
 Millette Jackson-Bates

Circulation Processing Department

Director: Beverly Martin

Circulation Development Department

Director: Bina Oza

Licensing & Permissions Department

Director: Norman Frankel
Permissions: Ada Jimenez-Walker
International Coordinator: Sharon Ali

Reprints

Reprint Coordinator: Joseph Rekish



ARCHIVES OF DERMATOLOGY

VOL 134 NO. 1, JANUARY 1998

STUDIES

Self-administered Topical 5% Imiquimod Cream for External Anogenital Warts 25

Libby Edwards, MD; Alex Ferenczy, MD;
Lawrence Eron, MD; David Baker, MD;
Mary L. Owens, MD; Terry L. Fox, MS;
Andrina J. Hougham; Kathy A. Schmitt;
and the HPV Study Group

Safety and Efficacy of 0.5% Podofilox Gel in the Treatment of Anogenital Warts 33

Stephen Tyring, MD, PhD;
Libby Edwards, MD;
Lisa K. Cherry, RN;
William M. Ramsdell, MD;
Steven Kotner, MD;
Mitchell D. Greenberg, MD;
J. Corwin Vance, MD;
Gail Barnum, ARNP;
Sydney H. Dromgoole, PhD;
Frank P. Killey, PhD; Tanya Toter

Microscopic Morphology of Different Types of Urticaria 41

Norbert Haas, MD; Esdert Toppe, MD;
Beate M. Henz, MD

Bacteriology of Inflamed and Uninflamed Epidermal Inclusion Cysts 49

Dayna G. Diven, MD; Susan E. Dozier, MD;
Diane J. Meyer, MD; Edgar B. Smith, MD

The Safety and Efficacy of Tazarotene Gel, a Topical Acetylenic Retinoid, in the Treatment of Psoriasis 57

Gerald G. Krueger, MD; Lynn A. Drake, MD;
Peter M. Elias, MD; Nicholas J. Lowe, MD;
Cynthia Guzzo, MD; Gerald D. Weinstein, MD;
Deborah A. Lew-Kaya, PharmD; John C. Lue, MS;
John Sefton, PhD; Roshantha A. S. Chandraratna, PhD

OBSERVATIONS

Cellular and Molecular Dynamics in Exercise-Induced Urticarial Vasculitis Lesions 62

Yoko Kano, MD; Midori Orihara, MD;
Tetsuo Shiohara, MD

Solar Urticaria: A Report of 25 Cases and Difficulties in Phototesting 71

Stephanie Ryckaert, MD; Rik Roelandts, MD, PhD

Idiopathic Recurrent Palmoplantar Hidradenitis in Children: 76

Report of 22 Cases
Miklós Simon, Jr, MD; Hansjörg Cremer, MD;
Peter von den Driesch, MD

REVIEW

Dermatological Uses of High-Dose Intravenous Immunoglobulin 80

Stephen Jolles, MSc, MRCP; Jenny Hughes, MRCP;
Sean Whittaker, MD, MRCP

American Medical Association

Physicians dedicated to the health of America



Copyright 1998 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.

Lynn Jensen, PhD
Chief Operating Officer &
Interim Executive Vice President

George D. Lundberg, MD
Editor in Chief, Scientific
Information and Multimedia

Robert L. Kennett
Vice President, Publishing

Peter L. Payerli
Publisher

Vanessa Hayden
Director, Production &
Distribution Division

Cheryl Iverson
Director, Editorial Processing
Division

Geoffrey A. Flick
Manager, Marketing Services

Advertising Office: Phillip B. Altamore, 119 Cherry Hill Rd, 3rd Flr, Parsippany, NJ 07054 (201) 263-9191. **AMA Classified Advertising Department:** Thalia Moss, 800-262-2260.

EDITORIALS

Pathophysiology of Urticarial Vasculitis 88
Darius R. Mehregan, MD;
Laurence E. Gibson, MD

Complementary, Alternative, Unconventional, and Integrative Medicine: Call for Papers for the Annual Coordinated Theme Issues of the AMA Journals 91
Phil B. Fontanarosa, MD; George D. Lundberg, MD

OFF-CENTER FOLD

Skin Induration With Multiple Flesh-Colored Papules 97
Anthony J. Mancini, MD; Youn H. Kim, MD

A 46-Year-Old Man With a 4-Year History of Diffuse Brownish Black Pigmentation 97
Giuseppe Micali, MD; Andrea G. Di Stefano, MD;
Maria Rita Nasca, MD;
Maria Letizia Musumeci, MD

Perforating Papules in Chronic Renal Failure 97
Thomas J. Enelow, MD; Wilber Huang, MD;
Carmen M. Williams, MD

Firm Plaque of the Forearm in a Patient With Hodgkin Lymphoma 97
Mary Davis Gibney, MD;
Dee Anna Glaser, MD

FROM THE MMWR

Update: Trends in AIDS Incidence—United States, 1996 122

THE CUTTING EDGE

Partial Auriculotomy for Exposure of Tumors of the External Auditory Meatus and Conchal Bowl 13
Ralph A. Massey, MD;
Yehuda D. Eliezri, MD

ISSUES IN DERMATOLOGY

Portrait of an Ideal Chairman of an Academic Department of Dermatology 16
A. Bernard Ackerman, MD

ARCHIVES A CENTURY AGO

Etiology of Zoster. 22

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

Assistant Editors:

Barbara A. Gilchrist, MD
Harley A. Haynes, MD
 Boston, Mass

Editorial Coordinator:

Sandra M. Yong
 Boston, Mass
Editorial Office
 (617) 667-3200
 Fax (617) 667-4948
 e-mail:
 ArchiveDerm@bidmc.harvard.edu

Editorial Board:

A. Bernard Ackerman, MD
 New York, NY
Philip C. Anderson, MD
 Columbia, Mo
Ronald J. Barr, MD
 Orange, Calif
Timothy G. Berger, MD
 San Francisco, Calif

Michael E. Bigby, MD
 Boston, Mass
Mary-Margaret Chren, MD
 San Francisco, Calif
Ponciano D. Cruz, Jr, MD
 Dallas, Tex
Irene E. Edwards, MD
 Charlotte, NC
Antoinette F. Hood, MD
 Indianapolis, Ind
Joseph L. Jorizzo, MD
 Winston-Salem, NC
David J. Leffell, MD
 New Haven, Conn
Donald P. Lookingbill, MD
 Jacksonville, Fla
Harvey Lui, MD, FRCPC
 Vancouver, British Columbia
David I. McLean, MD
 Vancouver, British Columbia
Seth J. Orlow, MD, PhD
 New York, NY
John R. Stanley, MD
 Bethesda, Md
Frances J. Storrs, MD
 Portland, Ore
Stephen B. Webster, MD
 La Crosse, Wis
Bruce U. Wintroub, MD
 San Francisco, Calif
Gary S. Wood, MD
 Cleveland, Ohio

Section Editors:

Archives a Century Ago
Mark Bernhardt, MD
Critical Situations
Thomas G. Cropley, MD
The Cutting Edge
George J. Hruza, MD
 Assistant Section Editors:
Lynn A. Cornelius, MD
John Starr, MD
Issues in Dermatology
A. Bernard Ackerman, MD
Off-Center Fold
Antoinette F. Hood, MD
Web Editor
Harvey Lui, MD, FRCPC
 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
Miguel Ruben Guarda, MD
 Santiago, Chile
Sima Halevy, MD
 Beer-Sheva, Israel

Roderick Hay, DM, FRCPath

London, England
Helmut Kerl, MD
 Graz, Austria
Sungnaek 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

CORRESPONDENCE: COMMENTS AND OPINIONS

- Acute Respiratory Distress Syndrome and Generalized Pustular Psoriasis: Another Case Report** 103
Ignacio Garcia Doval, MD, PhD;
Carmen Peteiro, MD, PhD; Jaime Toribio, MD, PhD

CORRESPONDENCE: VIGNETTES

- The 'Ugly Duckling' Sign: Identification of the Common Characteristics of Nevi in an Individual as a Basis for Melanoma Screening** 103
J. J. Grob, MD; J. J. Bonerandi, MD

- Lymphangitis and Refractory Lymphedema After Treatment With Topical Cantharidin** 104
Anthony M. Stazzone; Peter Borgs, PhD;
Charles L. Witte, MD; Marlys H. Witte, MD

- Clinical Predictive Factors of Severity in Cold Urticaria** 106
Pascale Mathelier-Fusade, MD;
Mohamed Aissaoui, MD; Danny Bakhos, MD;
Mohamed H. Chabane, MD;
Francisque Leynadier, MD

- The Enamel Paint Sign in the Dermatologic Diagnosis of Early-Onset Kwashiorkor** 107
Irene J. Buño, MD; Joseph G. Morelli, MD;
William L. Weston, MD

- Extensive Mongolian Spots in an Infant With Hurler Syndrome** 108
Bradley P. Grant, MD; Jeffrey S. Beard, MD;
Fernando de Castro, MD; Mary C. Guiglia, MD;
Bryan D. Hall, MD

- Primary Cutaneous Natural Killer/T-Cell Lymphoma** 109
Boris C. Bastian, MD; G. Ott, MD;
S. Müller-Deubert, MD; E. B. Bröcker, MD;
H. K. Müller-Hermelink, MD

- Cutaneous Effects of Granulocyte Colony-Stimulating Factor in Healthy Volunteers** 111

Carle Paul, MD; Sylvie Giachetti, MD;
Laure Pinquier, MD; Béatrice Flageul, MD;
Louis Dubertret, MD; Fabien Calvo, MD, PhD

- Acral Melanoma in the French West Indies (Martinique)** 112

Anne-Marie Boisseau-Garsaud, MD;
Philippe Garsaud, MD, PhD;
Marlène Ossondo, MD; Hervé Azaloux, MD;
Patrick Escarmant, MD; Danielle Quist, MD;
Raymond Helenon, MD; Alain Jouannelle, MD

- Dermatological Manifestations of Tourette Syndrome and Obsessive-Compulsive Disorder** 113

Joseph Jankovic, MD;
Shelley Sekula, MD; Dubravka Milas

BOOK AND NEW MEDIA REVIEWS

- Cutaneous Allergy** 119
Ernest N. Charlesworth (ed)
Reviewed by Anthony A. Gaspari, MD

- Cutaneous Infection and Therapy** 119
Raza Aly; Karl R. Beutner; Howard I. Maibach (eds)
Reviewed by J. V. Hirschmann, MD

REGULAR DEPARTMENTS

- Correction** 38
- News and Notes** 121
- Reviewers for 1997 and Editorial Office Report** 124
- Information for Authors and Readers** 126
- Classified Advertising** 128
- Index to Advertisers** 134

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.