Diabetes Care

December 2013 Volume 36, Number 12

THE JOURNAL OF CLINICAL AND APPLIED RESEARCH AND EDUCATION

[T]he simple word *Care* may suffice to express [the journal's] philosophical mission. The new journal is designed to promote better patient care by serving the expanded needs of all health professionals committed to the care of patients with diabetes. As such, the American Diabetes Association views *Diabetes Care* as a reaffirmation of Francis Weld Peabody's contention that "the secret of the care of the patient is in caring for the patient."

-Norbert Freinkel, Diabetes Care, January-February 1978

EDITOR IN CHIEF

William T. Cefalu, MD

ASSOCIATE EDITORS

George Bakris, MD
Lawrence Blonde, MD, FACP
Andrew J.M. Boulton, MD
Mary de Groot, PhD
Eddie L. Greene, MD
Robert Henry, MD
Sherita Hill Golden, MD, MHS, FAHA
Frank Hu, MD, MPH, PhD
Derek LeRoith, MD, PhD
Robert G. Moses, MD
Stephen Rich, PhD
Matthew C. Riddle, MD
Julio Rosenstock, MD
William V. Tamborlane, MD
Katie Weinger, EdD, RN

Judith Wylie-Rosett, EdD, RD

EDITORIAL BOARD Nicola Abate, MD

Mary Ann Banerji, MD Ananda Basu, MD, FRCP Patricia El Beitune, MD, PhD Mark R. Burge, MD John B. Buse, MD, PhD N. Wah Cheung, MBBS, FRACP, PhD Robert Chilton, DO Kenneth Cusi, MD, FACP, FACE Dariush Elahi, PhD Massimo Federici, MD Ele Ferrannini, MD Edith Feskens, PhD Robert G. Frykberg, DPM, MPH W. Timothy Garvey, MD Ronald B. Goldberg, MD Linda Gonder-Frederick, PhD

Korey K. Hood, PhD Carmen R. Isasi, MD, PhD Dianna J. Magliano, MPH, PhD Theodore Mazzone, MD Louis Monnier, MD Antoinette Moran, MD Sunder Mudaliar, MD Anne L. Peters, MD Ambady Ramachandran, MD, PhD Ravi Retnakaran, MD, MSc Pedro Romero-Aroca, PhD Christopher M. Ryan, PhD Elizabeth R. Seaquist, MD Elizabeth Selvin, PhD, MPH Jeff Unger, MD Deborah Wexler, MD

AMERICAN DIABETES ASSOCIATION OFFICERS

CHAIR OF THE BOARD Karen D. Talmadge, PhD

PRESIDENT, MEDICINE & SCIENCE

John E. Anderson, MD

PRESIDENT, HEALTH CARE & EDUCATION Lurelean B. Gaines, RN, MSN

SECRETARY/TREASURER Patrick L. Shuler, CPA

CHAIR OF THE BOARD-ELECT

Dwight Holing

PRESIDENT-ELECT, MEDICINE & SCIENCE Elizabeth R. Seaquist, MD

PRESIDENT-ELECT, HEALTH CARE &

EDUCATION

Marjorie Cypress, PhD, RN, CNP, CDE

SECRETARY/TREASURER-ELECT Robert J. Singley, MBA VICE CHAIR OF THE BOARD

Janel L. Wright, JD

VICE PRESIDENT, MEDICINE & SCIENCE Samuel Dagogo-Jack, MD, FRCP

VICE PRESIDENT, HEALTH CARE \uptheta

EDUCATION

David G. Marrero, PhD

VICE SECRETARY/TREASURER Richard Farber, MBA

CHIEF EXECUTIVE OFFICER Larry Hausner, MBA

CHIEF SCIENTIFIC & MEDICAL OFFICER Robert E. Ratner, MD, FACP, FACE



Diabetes Care

December 2013 Volume 36, Number 12

THE JOURNAL OF CLINICAL AND APPLIED RESEARCH AND EDUCATION

Diabetes Care is a journal for the health care practitioner that is intended to increase knowledge, stimulate research, and promote better management of people with diabetes. To achieve these goals, the journal publishes original research on human studies in the following categories: Clinical Care/Education/Nutrition/Psychosocial Research, Epidemiology/Health Services Research, Emerging Technologies and Therapeutics, Pathophysiology/Complications, and Cardiovascular and Metabolic Risk. The journal also publishes ADA statements, consensus reports, clinically relevant review articles, letters to the editor, and health/medical news or points of view. Topics covered are of interest to clinically oriented physicians, researchers, epidemiologists, psychologists, diabetes educators, and other health professionals. More information about the journal can be found online at care.diabetesjournals.org.

Diabetes Care (print ISSN 0149-5992, online ISSN 1935-5548) is owned, controlled, and published monthly by the American Diabetes Association, Inc., 1701 North Beauregard St., Alexandria, VA 22311. *Diabetes Care* is a registered trademark of the American Diabetes Association.

Copyright © 2013 by the American Diabetes Association, Inc. All rights reserved. Printed in the USA. Requests for permission to reuse content should be sent to Copyright Clearance Center at www.copyright.com or 222 Rosewood Dr., Danvers, MA 01923; phone: (978) 750-8400; fax: (978) 646-8600. Requests for permission to translate should be sent to Permissions Editor, American Diabetes Association, at permissions@diabetes.org.

The American Diabetes Association reserves the right to reject any advertisement for any reason, which need not be disclosed to the party submitting the advertisement.

Commercial reprint orders should be directed to Sheridan Content Services, (800) 635-7181, ext. 8065.

Single issues of *Diabetes Care* can be ordered by calling toll-free (800) 232-3472, 8:30 A.M. to 5:00 P.M. EST, Monday through Friday. Outside the United States, call (703) 549-1500. Rates: \$75 in the United States, \$95 in Canada and Mexico, and \$125 for all other countries.

Diabetes Care is available online at care.diabetesjournals.org. Please call the numbers listed above, e-mail membership@diabetes.org, or visit the online journal for more information about submitting manuscripts, publication charges, ordering reprints, subscribing to the journal, becoming an ADA member, advertising, permission to reuse content, and the journal's publication policies.

Periodicals postage paid at Alexandria, VA, and additional mailing offices.

POSTMASTER: Send address changes to *Diabetes Care*, American Diabetes Association, Inc., Journal Subscriptions, 1701 North Beauregard St., Alexandria, VA 22311. Claims for missing issues should be made within 6 months of publication. The publisher expects to supply missing issues free of charge only when losses have been sustained in transit and when the reserve stock permits.

PRINT ISSN 0149-5992 ONLINE ISSN 1935-5548 PRINTED IN THE USA

AMERICAN DIABETES ASSOCIATION PERSONNEL AND CONTACTS

EDITORIAL OFFICE DIRECTOR Lyn Reynolds

PEER REVIEW MANAGER Shannon Potts EDITORIAL ASSISTANT Rita Summers

EDITORIAL OFFICE SECRETARIES

Raquel Castillo Joan Garrett

MANAGING DIRECTOR, SCHOLARLY
JOURNAL PUBLISHING
Christian S. Kohler

DIRECTOR, SCHOLARLY JOURNAL PUBLISHING Heather L. Norton

EDITORIAL MANAGERS
Valentina Such
Nancy C. Baldino
PRODUCTION MANAGER
Amy S. Gavin
TECHNICAL EDITOR

Oedipa Rice
VICE PRESIDENT, MEMBERSHIP &
DIRECT RESPONSE MARKETING

Richard Frb

VICE PRESIDENT, CORPORATE ALLIANCES Nancy Stinson Harris

ADVERTISING MANAGER Julie C. DeVoss

MANAGER, MEMBERSHIP/SUBSCRIPTION SERVICES

Donald Crowl

ASSOCIATE DIRECTOR, FULFILLMENT Caryn Cochran

ADVERTISING REPRESENTATIVES TMG Custom Media Nancy Greenwald (646) 783-3786

The Jackson-Gaeta Group, Inc. B. Joseph Jackson Paul Nalbandian (973) 403-7677