



Menopause

The Journal of The North American Menopause Society

VOLUME 25, ISSUE 11 2018

SDC

Supplemental Digital Content is available.

CONTENTS

Editorial

1171

Menopause 25th Anniversary Commemorative Issue

Commemorative Papers

1172

Volume 1(1) 1994

NAMS-gallup survey on women's knowledge, information sources, and attitudes to menopause and hormone replacement therapy

Wulf H. Utian, and Isaac Schiff

1180

Volume 2(4) 1995

Progesterin enhances vasoconstrictor responses in postmenopausal women receiving estrogen replacement therapy

Jay M. Sullivan, Bashar A. Shala, Leslie A. Miller, Jody L. Lerner, and John D. McBrayer

1187

Volume 3(4) 1996

Continuation of postmenopausal hormone replacement therapy: comparison of cyclic versus continuous combined schedules

Bruce Ettinger, De-Kun Li, and Raymond Klein

1191

Volume 4(3) 1997

Long-term postmenopausal estrogen therapy may be associated with increased risk of breast cancer: a cohort study

Bruce Ettinger, Charles Quesenberry, David A. Schroeder, and Gary Friedman

(continued)

Menopause: The Journal of The North American Menopause Society (ISSN 1072-3714) is published monthly for The North American Menopause Society by Wolters Kluwer Health, Inc., at 14700 Citicorp Drive, Bldg 3, Hagerstown, MD 21742. Business and production offices are located at Two Commerce Square, 2001 Market St., Philadelphia, PA 19103. All rights reserved. Printed on acid-free paper. Periodical postage paid at Hagerstown, Maryland, and at additional mailing offices. Copyright © 2018 by The North American Menopause Society.

POSTMASTER: Send address changes to *Menopause: The Journal of The North American Menopause Society*, P.O. Box 1610, Hagerstown, MD 21740.

1195

Volume 5(3) 1998

Breast cancer risk among women under 55 years of age by joint effects of usage of oral contraceptives and hormone replacement therapy

Louise A. Brinton, PhD, Donna R. Brogan, PhD, Ralph J. Coates, PhD,
Christine A. Swanson, PhD, Nancy Potischman, PhD, and Janet L. Stanford, PhD

1201

Volume 6(1) 1999

Aromatase and estrogen receptor immunoreactivity in the coronary arteries of monkeys and human subjects

Sabrina Diano, PhD, Tamas L. Horvath, DVM, Gil Mor, MD, Thomas Register, PhD,
Michael Adams, PhD, Nobuhiro Harada, PhD, and Frederick Naftolin, DPhil, MD

1208

Volume 7(3) 2000

17 β -estradiol vaginal tablet versus conjugated equine estrogen vaginal cream to relieve menopausal atrophic vaginitis

Jacques Emile Rioux, MD, MPH, M. Corinne Devlin, MD, Morrie M. Gelfand, MD,
Wilfred M. Steinberg, MD, and Douglas S. Hepburn, MD

1214

Volume 8(6) 2001

Comparison of the antioxidant effects of equine estrogens, red wine components, vitamin E, and probucol on low-density lipoprotein oxidation in postmenopausal women

Bhagu R. Bhavnani, PhD, Anthony Cecutti, MD, Alan Gerulath, MD, Allan C. Woolever, MD,
and Mauricio Berco, BSc

1224

Volume 9(6) 2002

The Utian Quality of Life (UQOL) Scale: development and validation of an instrument to quantify quality of life through and beyond menopause

Wulf H. Utian, MD, PhD, Jeffrey W. Janata, PhD, Sheryl A. Kingsberg, PhD,
Mark Schluchter, PhD, and James C. Hamilton, PhD

1232

Volume 10(5) 2003

Caloric restriction reduces age at menopause: the effect of the 1944-1945 Dutch famine

Sjoerd G. Elias, MSc, Paulus A.H. van Noord, MD, PhD, Petra H.M. Peeters, MD, PhD,
Isolde den Tonkelaar, PhD, and Diederick E. Grobbee, MD, PhD

1238

Volume 11(2) 2004

Predictors of decreased libido in women during the late reproductive years

Clarisa R. Gracia, MD, Mary D. Sammel, ScD, Ellen W. Freeman, PhD, Li Liu, MD, MS,
Lori Hollander, BA, and Deborah B. Nelson, PhD

CONTENTS
(continued)

1244

Volume 12(4) 2005

Correlates of sexual function among multi-ethnic middle-aged women: results from the Study of Women's Health Across the Nation (SWAN)

Nancy E. Avis, PhD, Xinhua Zhao, MS, Catherine B. Johannes, PhD, Marcia Ory, PhD, Sarah Brockwell, PhD, and Gail A. Greendale, MD

1256

Volume 13(1) 2006

Increased longevity in older users of postmenopausal estrogen therapy: the Leisure World Cohort Study

Annlia Paganini-Hill, PhD, Maria M. Corrada, ScD, and Claudia H. Kawas, MD

1262

Volume 14(3) 2007

Estrogen effects on arteries vary with stage of reproductive life and extent of subclinical atherosclerosis progression

Thomas B. Clarkson, DVM

1275

Volume 15(6) 2008

Long-term risk of depressive and anxiety symptoms after early bilateral oophorectomy

Walter A. Rocca, MD, MPH, Brandon R. Grossardt, MS, Yonas E. Geda, MD, MSc, Bobbie S. Gostout, MD, James H. Bower, MD, MSc, Demetrius M. Maraganore, MD, Mariza de Andrade, PhD, and L. Joseph Melton, III, MD, MPH

1286

Volume 16(4) 2009

Hot flashes, coronary heart disease, and hormone therapy in postmenopausal women

Alison J. Huang, MD, George F. Sawaya, MD, Eric Vittinghoff, PhD, Feng Lin, MS, and Deborah Grady, MD

1291

Volume 17(2) 2010

History of hot flashes and aortic calcification among postmenopausal women

Rebecca C. Thurston, PhD, Lewis H. Kuller, MD, DrPH, Daniel Edmundowicz, MD, MS, and Karen A. Matthews, PhD

1297

Volume 18(10) 2011

Does the route of administration for estrogen hormone therapy impact the risk of venous thromboembolism? Estradiol transdermal system versus oral estrogen-only hormone therapy

François Laliberté, MA, Katherine Dea, MA, Mei Sheng Duh, MPH, ScD, Kristijan H. Kahler, PhD, RPh, Melanie Rolli, MD, and Patrick Lefebvre, MA

1306

Volume 19(6) 2012

Evolution of postmenopausal hormone therapy between 2002 and 2009

Bruce Ettinger, MD, Sharon M. Wang, PharmD, MS, R. Scott Leslie, MPH, Bimal V. Patel, PharmD, MS, Michael J. Boulware, PhD, Mark E. Mann, BS, and Michael McBride, BA

1313

Volume 20(6) 2013

Estrogen alone and joint symptoms in the Women's Health Initiative randomized trial

Rowan T. Chlebowski, MD, PhD, Dominic J. Cirillo, MD, PhD, Charles B. Eaton, MD, Marcia L. Stefanick, PhD, Mary Pettinger, MS, Laura D. Carbone, MD, MS, Karen C. Johnson, MD, MPH, Michael S. Simon, MD, MPH, Nancy F. Woods, PhD, RN, FAAN, and Jean Wactawski-Wende, PhD

1321

Volume 21(5) 2014

Association between the vaginal microbiota, menopause status, and signs of vulvovaginal atrophy

Rebecca M. Brotman, PhD, MPH, Michelle D. Shardell, PhD, Pawel Gajer, PhD, Doug Fadrosch, MS, Kathryn Chang, RN, Michelle I. Silver, ScM, Raphael P. Viscidi, MD, Anne E. Burke, MD, MPH, Jacques Ravel, PhD, and Patti E. Gravitt, PhD, MS

1331

Volume 22(7) 2015

Moderate to severe vasomotor and sexual symptoms remain problematic for women aged 60 to 65 years

Pragya Gartoulla, MSc, Roisin Worsley, MBBS, FRACP, Robin J. Bell, MBBS, PhD, and Susan R. Davis, MBBS, FRACP, PhD

1339

Volume 23(3) 2016

Efficacy of intravaginal dehydroepiandrosterone (DHEA) on moderate to severe dyspareunia and vaginal dryness, symptoms of vulvovaginal atrophy, and of the genitourinary syndrome of menopause

Fernand Labrie, MD, PhD, David F. Archer, MD, William Koltun, MD, Andrée Vachon, MD, Douglas Young, MD, Louise Frenette, MD, David Portman, MD, Marlene Montesino, MD, Isabelle Côté, BSc, Julie Parent, PhD, Lyne Lavoie, MSc, Adam Beauregard BSc, MBA, Céline Martel, PhD, Mario Vaillancourt, BSc, MBA, John Balsler, PhD, Érick Moyneur, BSc, MA, and the members of the VVA Prasterone Research Group

SDC

1354

Volume 24(8) 2017

Physiologically assessed hot flashes and endothelial function among midlife women

Rebecca C. Thurston, PhD, Yuefang Chang, PhD, Emma Barinas-Mitchell, PhD, J. Richard Jennings, PhD, Roland von Känel, MD, Doug P. Landsittel, PhD, and Karen A. Matthews, PhD

CONTENTS
(continued)

1362

Volume 24(7) 2017

The 2017 hormone therapy position statement of The North American Menopause Society

Other Notable Papers

1388

Board Members Past and Present

1391

Wolters Kluwer Health, Inc., and The North American Menopause Society cannot be held responsible for errors or for any consequences arising from the use of the information contained in this journal. All advertising material published in this journal is expected to conform to regulatory and medical standards. The appearance of advertising in this publication does not constitute a guarantee or endorsement by The North American Menopause Society or Wolters Kluwer Health, Inc., of the quality or value of such a product or service or any claims made by its marketer.

Permissions and photocopying: For permission and/or rights to use content for which the copyright holder is Wolters Kluwer or the society we have partnered with the Copyright Clearance Center to provide permissions for our products through their RightsLink service, please go to the journal's website and after clicking on the relevant article, click on the "Get Content & Permissions" link under the "Article Tools" box that appears on the right side of the page. For questions about the Rightslink service, e-mail customer-care@copyright.com or call 877-622-5543 (U.S. Only) or 978-777-9929. Permissions FAQs and information on author's permission requests are available at <https://shop.lww.com/journal-permission>. For additional permission inquiries, please contact Permissions@LWW.com.

For translation rights requests, contact TranslationRights@wolterskluwer.com. For license to republish and distribute requests, contact HealthLicensing@wolterskluwer.com. For special projects and reprints (U.S./Canada), contact Alan Moore at Alan.Moore@wolterskluwer.com or reprintsolutions@wolterskluwer.com. For special projects and reprints (non-U.S./Canada), contact Avia Potashnik at Avia.Potashnik@wolterskluwer.com or InternationalReprints@wolterskluwer.com.

Menopause: The Journal of The North American Menopause Society is a registered trademark of The North American Menopause Society.

Menopause: The Journal of The North American Menopause Society (ISSN 1072-3714) is published monthly by Wolters Kluwer Health, Inc., at 14700 Citicorp Drive, Bldg 3, Hagerstown, MD 21742. Business offices are located at Two Commerce Square, 2001 Market St., Philadelphia, PA 19103. Periodical postage paid at Hagerstown, MD, and at additional mailing offices. **Annual subscription rates:** *United States*—\$568 Individual, \$1,401 Institution. *Rest of World*—\$593 Individual, \$1,401 Institution. All prices include a handling charge of \$18. Subscription orders outside the United States must be prepaid. Subscription orders outside North America must add \$17 for airfreight delivery. United States residents of AL, CO, DC, FL, GA, HI, IA, ID, IN, KS, KY, LA, MD, MO, ND, NM, NV, PR, RI, SC, SD, UT, VT, WA, WV add state sales tax. The GST tax of 7% must be added to all orders shipped to Canada (Wolters Kluwer Health, Inc., GST Identification #895524239, Publications Mail Agreement #1119672). Subscription prices outside the United States must be prepaid. Prices subject to change without notice. Visit us online at www.lww.com. Individual subscription rates include print and access to the online version. Institutional rates are for print only; online subscriptions are available via Ovid. Institutions can choose to purchase a print and online subscription together for a discounted rate. Institutions that wish to purchase a print subscription, please contact Wolters Kluwer Health, Inc., at 14700 Citicorp Drive, Bldg 3, Hagerstown, MD 21742; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. Institutions that wish to purchase an online subscription or online with print, please contact the Ovid Regional Sales Office near you or visit www.ovid.com/site/index.jsp and select Contact and Locations. **Address for subscription information, orders, or change of address:** Wolters Kluwer Health, Inc., P.O. Box 1610, Hagerstown, MD 21740; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. In Japan, contact Wolters Kluwer Health Japan Co., Ltd., Forecast Mita Building 5th floor, 1-3-31 Mita Minato-ku, Tokyo, Japan 108-0073. Telephone: +81 3 5427 1969. E-mail: journal@wjkjapan.co.jp. Address advertising inquiries to Renee Artuso at Wolters Kluwer Health, Inc., 530 Walnut Street, Philadelphia, PA 19106 USA.

Postmaster: Send address changes to *Menopause: The Journal of The North American Menopause Society*, P.O. Box 1610, Hagerstown, MD 21740.

Copyright © 2018 by The North American Menopause Society. All rights reserved. Printed in the USA.