



Menopause

The Journal of The North American Menopause Society

VOLUME 23, ISSUE 2, 2016

SDC Supplemental Digital Content is available.

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Cardiovascular risk factors and diseases in women undergoing hysterectomy with ovarian conservation

Shannon K. Laughlin-Tommaso, MD, MPH, Zaraq Khan, MBBS, Amy L. Weaver, MS, Cathy D. Schleck, BS, Walter A. Rocca, MD, MPH, and Elizabeth A. Stewart, MD

In a population-based cohort study, women who underwent hysterectomy with ovarian conservation were found to have higher cardiovascular risk factors, in particular obesity, at the time of the surgery. Women under 36 years at the time of surgery also had a higher risk of preexisting stroke.

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Differential effects of selective estrogen receptor modulators on the vagina and its supportive tissues

Rui Liang, MD, Katrina Knight, BS, Alexis Nolfi, BS, Steven Abramowitch, PhD, and Pamela A. Moalli, MD, PhD

In contrast to estrogen, selective estrogen receptor modulators are not efficient in preventing the negative effects of ovariectomy on the structural integrity of the vagina and its supportive tissues, with idoxifene and bazedoxifene exerting null effects and inducing paradoxically increased collagen content.

(continued)

Menopause: The Journal of The North American Menopause Society (ISSN 1072-3714) is published monthly for The North American Menopause Society by Lippincott Williams & Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116. 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 © 2016 by The North American Menopause Society.

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Potential adverse effects of prophylactic bilateral salpingo-oophorectomy on skin aging in premenopausal women undergoing hysterectomy for benign conditions

Emrah Töz, MD, Aykut Özcan, MD, Deniz Balsak, MD, Muhittin Eftal Avcı, MD, Arzu Görgülü Eraslan, MD, and Didem Didar Balcı, MD

Prophylactic oophorectomy during hysterectomy is a significant independent risk factor for altering skin appearance in premenopausal women.

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Prior hysterectomy and oophorectomy and incident venous thrombosis risk among postmenopausal women: a population-based, case-control study

Laura B. Harrington, PhD, Noel S. Weiss, MD, DrPH, Kerri L. Wiggins, MS, RD, Susan R. Heckbert, MD, PhD, Barbara McKnight, PhD, Marc Blondon, MD, MS, Nancy F. Woods, PhD, RN, FAAN, Andrea Z. LaCroix, PhD, Bruce M. Psaty, MD, PhD, and Nicholas L. Smith, PhD

In this study there was no strong evidence of a substantial impact of hysterectomy, with or without bilateral salpingo-oophorectomy (BSO), on the risk of venous thrombosis (VT), although there was a modest elevation in VT risk associated with prior hysterectomy with BSO and no current hormone therapy use.

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Carotid artery distensibility and hormone therapy and menopause: the Los Angeles Atherosclerosis Study

Chrisandra Shufelt, MD, MS, NCMP, Omeed Elboudwarej, MD, B. Delia Johnson, PhD, Pujja Mehta, MD, Vera Bittner, MD, MSPH, Glenn Braunstein, MD, Sarah Berga, MD, Frank Stanczyk, PhD, Kathleen Dwyer, PhD, and C. Noel Bairey Merz, MD

This prospective study of women without cardiovascular disease found that arterial distensibility declines at all menopause stages, particularly in premenopausal women and women transitioning through menopause without hormone therapy. Hormone therapy was associated with better arterial distensibility only during menopause transition.

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Symptom clusters among MsFLASH clinical trial participants

Nancy Fugate Woods, PhD, RN, FAAN, Chancellor Hohensee, MA, Janet S. Carpenter, PhD, RN, FAAN, Lee Cohen, MD, Kristine Ensrud, MD, MPH, Ellen W. Freeman, PhD, Katherine A. Guthrie, PhD, Hadine Joffe, MD, MSc, Andrea Z. LaCroix, PhD, and Julie L. Otte, PhD, RN, OCN

Women meeting hot flash frequency criteria for inclusion in clinical trials exhibited multiple co-occurring symptoms that clustered into identifiable groups according to symptom interference and severity.

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Oral contraceptive use and fracture risk around the menopausal transition

Delia Scholes, PhD, Andrea Z. LaCroix, PhD, Rebecca A. Hubbard, PhD, Laura E. Ichikawa, MS, Leslie Spangler, PhD, Belinda H. Operskalski, MPH, Nancy Gell, PhD, and Susan M. Ott, MD

For women considering oral contraceptive use after age 38 fracture risk does not appear to be either reduced or – reassuringly – increased.

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Association of obstructive sleep apnea risk factors with nocturnal enuresis in postmenopausal women

Patrick Koo, MD, F. Dennis McCool, MD, Lauren Hale, PhD, Katie Stone, PhD, and Charles B. Eaton, MD, MS

Obstructive sleep apnea risk factors are associated with nocturnal enuresis in postmenopausal women.

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The effects of menopausal health training for spouses on women's quality of life during menopause transitional period

Narjes Bahri, PhD student, Nooshin Yoshany, MSc, Mohammad Ali Morowatisharifabad, PhD, Ali Delshad Noghabi, MSc, and Moosa Sajjadi, PhD

The training of menopausal health for spouses, improves the quality of life in women during the menopausal transition.

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Surgical menopause and increased risk of nonalcoholic fatty liver disease in endometrial cancer

Koji Matsuo, MD, PhD, Marc R. Gualtieri, MD, Sigita S. Cahoon, MD, Carrie E. Jung, MD, Richard J. Paulson, MD, Donna Shoupe, MD, MBA, Laila I. Muderspach, MD, Akihiko Wakatsuki, MD, PhD, Jason D. Wright, MD, and Lynda D. Roman, MD

Young age and oophorectomy at the time of surgical staging in women with endometrial cancer increases the risks of nonalcoholic fatty liver disease that is associated with increased risk of diabetes mellitus and hypercholesterolemia.

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Asian Elm tree inner bark prevents articular cartilage deterioration in ovariectomized obese rats with monoiodoacetate-induced osteoarthritis

Hye Jeong Yang, PhD, Byung-Seob Ko, PhD, Dae Young Kwon, PhD, Hye Won Lee, PhD, Min Jung Kim, MS, Jina Ryuk, PhD, Suna Kang, MS, Da Sol Kim, MS, and Sunmin Park, PhD

In estrogen-deficient rats, Asian Ulmi cortex is an effective therapeutic agent for preventing osteoarthritis and Korean mistletoe prevents decreases in lean body mass, bone mineral density, and insulin sensitivity.

Brief Report

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Armodafinil for fatigue associated with menopause: an open-label trial

Fremonta Meyer, MD, Marlene P. Freeman, MD, Laura Petrillo, MD, Maria Barsky, BA, Thania Galvan, BA, Semmie Kim, BS, Lee Cohen, MD, and Hadine Joffe, MD, MSc

This study reports the results of a 1-month open-label trial of armodafinil (N=20) in women aged 40-65 with menopause-related fatigue. Participants experienced robust improvements in the study's primary endpoints of fatigue and menopause-related quality of life, as well as in secondary endpoints including hot flashes, cognitive function, insomnia and depressive symptoms.

Review Articles

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Update on medical and regulatory issues pertaining to compounded and FDA-approved drugs, including hormone therapy

JoAnn V. Pinkerton, MD, and James H. Pickar, MD

The 2013 Drug Quality and Security Act on compounding with its reinforcement of §503A solidifies FDA authority to enforce FDCA provisions against producers of compounded “bioidentical” hormone therapies. This will hopefully improve compliance and accreditation by the compounding industry; decrease distribution of misbranded, adulterated, or inconsistently compounded medications; and help avoid false and misleading claims to reduce public health risk.

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Can we predict age at natural menopause using ovarian reserve tests or mother’s age at menopause? A systematic literature review

Martine Depmann, MD, Simone L. Broer, MD, PhD, Yvonne T. van der Schouw, PhD, Fahimeh R. Tehrani, MD, PhD, Marinus J. Eijkemans, PhD, Ben W. Mol, MD, PhD, and Frank J. Broekmans, MD, PhD

This review identifies antimullerian hormone and mother’s age at menopause as the most promising predictors for age at natural menopause. Prediction models lack the capacity to predict extreme ages at menopause and provide wide prediction intervals, as such these markers are currently not applicable in the day-to-day clinical practice.

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