



Menopause

The Journal of The North American Menopause Society

VOLUME 29, ISSUE 2 2022

SDC

Supplemental Digital Content is available.

OPEN

Open Access article.

CONTENTS

Editorials

125

Overactive bladder, stress urinary incontinence, and menopause—what are the associations?

Amanda L. Clark, MD, MCR, NCMP

127

The challenges of screening large populations: transvaginal ultrasound and endometrial screening for endometrial cancer

Annekathryn Goodman, MD, MPH

Original Studies

SDC

129

Prevalence and factors associated with overactive bladder and stress urinary incontinence in the Japan Nurses' Health Study

Kazue Nagai, PhD, Yukio Homma, MD, PhD, Yuki Ideno, PhD, and Kunihiro Hayashi, PhD

This study showed a significant association with overactive bladder in women ages 45-54 years and postmenopausal status. A high BMI and parous status are strongly associated with stress urinary incontinence, and stress urinary incontinence symptoms may become less frequent after menopause.

137

Clinicopathologic characteristics and risk factors for endometrial malignancy in postmenopausal women with endometrial thickening

Fangfang Ai, PhD, Yiling Wang, MM, Liane Zhou, MM, and Shijun Wang, MD

For postmenopausal women with endometrial thickening, the results of this study suggested that women who are older, have a thicker endometrial thickness, had irregular menstruation in the past, have postmenopausal bleeding, and have polypoid mass-like lesions should seek medical attention as soon as possible and undergo further invasive examination.

(continued)

144

MsFLASH analysis of diurnal salivary cortisol and palpitations in peri- and postmenopausal women

Janet S. Carpenter, PhD, RN, FAAN, James E. Tisdale, PharmD, Joseph C. Larson, MS, Ying Sheng, PhD, RN, Chen X. Chen, PhD, RN, Diane Von Ah, PhD, RN, Richard Kovacs, MD, Susan D. Reed, MD, MPH, Rebecca C. Thurston, PhD, and Katherine A. Guthrie, PhD
Palpitations among midlife women may be associated with blunted morning cortisol concentrations. The relationship is not explained by demographics, clinical variables, vasomotor symptoms, medication use, depression, stress, or insomnia.

SDC

151

Factors affecting surgical decision-making in carriers of *BRCA1/2* pathogenic variants undergoing risk-reducing surgery at a dedicated hereditary ovarian cancer clinic

Michelle R. Jacobson, MD, FRCS(C) NCMP, Melissa Walker, MD, FRCSC, Gabrielle E.V. Ene, BSc, Courtney Firestone, MD, Marcus Q. Bernardini, MD, FRCS(C), Lisa Allen, MD, FRCS(C), Ella Huszti, PhD, and Mara Sobel, MD, FRCS(C)
*Canadian women with *BRCA1/2* pathogenic variants have diverse needs and make varied decisions with regards to risk-reducing surgery. Optimal counseling should be individualized and evidence-based.*

SDC

156

Gastrointestinal symptoms in four major racial/ethnic groups of midlife women: race/ethnicity and menopausal status

Eun-Ok Im, PhD, MPH, FAAN, Gayeong Kim, MSN, RN, Miyoung Choi, PhD, RN, and Wonshik Chee, PhD
This study aims to explore the association of race/ethnicity to gastrointestinal (GI) symptoms experienced during the menopausal transition while considering multiple factors that could influence the symptoms. Race/ethnicity and menopausal status were significant factors that influenced the total numbers and total severity scores of GI symptoms among midlife women when background characteristics and health-related characteristics were controlled.

164

Hypertensive disorders of pregnancy increase the risk of future menopausal hot flashes in Japanese women: results from the Japan Nurses' Health Study

Moyo Ri, RN, MS, Kunihiro Hayashi, PhD, Takumi Kurabayashi, MD, PhD, Jung Su Lee, PhD, Yuki Ideno, PhD, Kazue Nagai, PhD, Toshiyuki Yasui, MD, PhD, Toshihiro Kubota, MD, PhD, and Kiyoshi Takamatsu, MD, PhD
This prospective study found that women with a history of hypertensive disorders of pregnancy have a significantly increased risk of problematic hot flashes, compared with their counterparts without a history of hypertensive disorders of pregnancy.

SDC

170

Is cognitive performance of women sensitive to the severity of menopausal symptoms?

Mankamal Kaur, MSc, and Maninder Kaur, PhD
The findings of this study demonstrate that women experiencing severe menopausal symptoms presented significantly lower mean values for orientation, registration, attention, recall, and language/visuo-spatial skills as compared to their counterparts with mild menopausal symptoms.

SDC

178

Decision aids and shared decision making in urogynecology

Felisha Marques, MPH, Kevan Josloff, MPH, MPH, Kristin Hung, MD, May Wakamatsu, MD, and Karen R. Sepucha, PhD

The use of decision aids was acceptable to providers, and indicated a trend toward increased patient knowledge, treatment preference, and satisfaction.

184

Delivery of menopause care during a pandemic: an evaluation of patient satisfaction with telephone visits

Emily Wright, MD, Ola Shaltout, MD(c), Mary Ann Zokvic, MD, and Lindsay Shirreff, MD, MSc(HQ), FRCSC

Menopause clinic telephone appointments had high patient satisfaction, with most preferring this visit type, although in-person visits are preferred among a minority of women.

SDC

189

Management of cardiovascular disease in women with premature ovarian insufficiency: critical quality appraisal of clinical guidelines and algorithm development

Min Yang, MSN, Li Jiang, MSN, and Nan-nan Yao, BSN

The overall methodological quality of most clinical practice guidelines (CPG) regarding cardiovascular disease in women with premature ovarian insufficiency was moderate to poor, with only 3 being assessed as recommended for clinical practice. On the basis of the available evidence, the authors of this study designed an algorithm with a clear implementation strategy to facilitate clinicians' adherence to CPGs and contribute to evidence-based care.

OPEN

SDC

200

Bidirectional associations between cognitive functions and walking performance among middle-aged women

Anna Tirkkonen, MSc, Tiia Kekäläinen, PhD, Pauliina Aukee, MD, PhD, Urho M. Kujala, MD, PhD, Eija K. Laakkonen, PhD, Katja Kokko, PhD, and Sarianna Sipilä, PhD

This study showed that cognitive functions remained unchanged or improved after transition from perimenopause to postmenopause. Executive functions and walking were cross-sectionally associated among late perimenopausal women, but association depended on executive process measured and the nature of the physical task.

SDC

210

Which injected antiosteoporotic medication is worth paying for? A cost-effectiveness analysis of teriparatide, zoledronate, ibandronate, and denosumab for postmenopausal osteoporotic women in China

Ruxu You, MS, Takahiro Mori, MD, PhD, Lei Ke, MS, Yuansheng Wan, MS, Yu Zhang, PhD, Fei Luo, MS, Da Feng, PhD, Guangyi Yu, MS, and Jinyu Liu, MS

Among postmenopausal osteoporotic women in China, denosumab therapy is cost-effective at all ages examined from the health care payer perspective, compared with teriparatide, zoledronate, or ibandronate.

SDC

219

Perceived risk factors for weight gain, barriers, and facilitators related to weight loss experienced by perimenopausal women: focus group discussion and thematic analysis

Sakshi Chopra, MSc, Piyush Ranjan, MD, Anita Malhotra, PhD, Aditi Verma, MSc, Archana Kumari, MS, K. Aparna Sharma, MD, Siddharth Sarkar, MD, and Naval K. Vikram, MD

During the perimenopausal period, women encounter a range of barriers and challenges related to weight loss.

Brief Reports

SDC

225

Association of oral contraceptives and tubal ligation with antimüllerian hormone

Christine R. Langton, PhD, Brian W. Whitcomb, PhD, Alexandra C. Purdue-Smithe, PhD, Lynnette L. Sievert, PhD, Susan E. Hankinson, ScD, JoAnn E. Manson, MD, DrPH, NCMP, Bernard A. Rosner, PhD, and Elizabeth R. Bertone-Johnson, ScD

This study examined the association of long-term use of oral contraceptives and tubal ligation with antimüllerian hormone (AMH), a marker of ovarian aging. Associations between duration of oral contraceptive use and certain types of tubal ligation with mean AMH levels were observed.

231

Stress predicts depression symptoms for women living with bipolar disorder during the menopause transition

Tania Perich, PhD, and Jane Ussher, PhD

For women with bipolar disorder during perimenopause, sleep problems and hot flash severity were correlated with each other and with depression, anxiety and stress symptoms. Stress alone predicted depression symptoms in the sample.

Clinical Corner

NAMS Practice Pearl

236

Practice considerations for behavioral therapies for depression and anxiety in midlife women

Jill M. Cyranowski, PhD

Healthcare professionals treating women across the menopause transition would do well to incorporate routine mental health screening and psychoeducation about the prevalence and common risk factors for midlife mental health issues into their routine practices. Such discussions can normalize and validate women's experiences, destigmatize mental health issues, and enhance patients' motivation to pursue behavioral treatment options.

Review Article

239

Factors associated with high placebo response in clinical studies of hot flashes: a meta-analysis

Kentaro Miyazaki, MSc, Masayuki Kaneko, PhD, Mamoru Narukawa, PhD

This study identified several factors associated with high placebo response in clinical studies of women with hot flashes. Knowing these factors may enable proactive implementation of operational and analytic strategies that further aid in determining the true treatment effect of an intervention.

Case Report

247

Monckeberg's arteriosclerosis: a case report of chronic endometritis presenting as postmenopausal bleeding

Victoria J. Mercer, BSc, Ather Naseemuddin, MBBS, FRCPC, and Amanda Webb, MD, FRCSC

This is the second case report of Monckeberg's arteriosclerosis affecting the uterine vessels and the first time it has been reported in a patient who had undergone premature menopause and was associated with chronic endometritis that was unresponsive to multiple courses of antimicrobial therapy.

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@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 International-Reprints@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 online-only by Wolters Kluwer Health, Inc. **Annual subscription rate:** \$663.

Copyright © 2022 by The North American Menopause Society. All rights reserved.