

an international reproductive health journal

Contraception

Volume 99, Number 6, June 2019

Publication information: *Contraception* (ISSN 0010-7824) is published monthly by Elsevier Inc., 230 Park Avenue, New York, NY 10169. Periodicals postage paid at New York, NY, and additional mailing offices.

USA POSTMASTER: Send address changes to *Contraception*, Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA.

Annual subscription rates: United States and possessions: individual, \$503; institution, \$1,782. All other countries: individual, \$585; institution, \$1,875.

Orders, claims, and journal inquiries: Please visit our Support Hub page <https://service.elsevier.com> for assistance.

Advertising information: Advertising orders and inquiries can be sent to: USA, Canada and South America: Le-Andrea Sylvester, Elsevier Inc., 230 Park Avenue, New York, NY 10169. Tel.: (212) 633-3649, e-mail: le.sylvester@elsevier.com.

Reprints: To order 100 or more reprints for educational, commercial, or promotional use, contact the Commercial Reprints Department, Elsevier Inc., 230 Park Avenue, New York, NY 10169; E-mail: reprints@elsevier.com.

Author information: For full and complete Author Information, please go to: <http://www.contraceptionjournal.org/authorinfo>.

Author inquiries: You can track your submitted article at <http://www.elsevier.com/track-submission>. You can track your accepted article at <http://www.elsevier.com/trackarticle>. You are also welcome to contact Customer Support via <http://service.elsevier.com>.

Funding body agreements and policies: Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>.

© 2019 by Elsevier Inc. All rights reserved.

This journal and the individual contributions contained in it are protected under copyright by Elsevier Inc., and the following terms and conditions apply to their use:


Photocopying: Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use. For information on how to seek permission visit www.elsevier.com/permissions or call: (+44) 1865 843830 (UK)/(+1) 215 239 3804 (USA).

Derivative Works: Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the publisher is required for resale or distribution outside the institution. Permission of the publisher is required for all other derivative works, including compilations and translations (please consult www.elsevier.com/permissions).

Electronic Storage or Usage: Permission of the publisher is required to store or use electronically any material contained in this journal, including any article or part of an article (please consult www.elsevier.com/permissions). Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the publisher.

Notice: No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

 This paper meets the requirements of ANSI Standard Z39.48-1992 (Permanence of Paper).

321 Editorial

ORIGINAL ARTICLES

323 Segesterone acetate/ethinyl estradiol 12-month contraceptive vaginal system safety evaluation

Kristina Gemzell-Danielsson, Regine Sitruk-Ware, Mitchell D. Creinin, Michael Thomas, Kurt T. Barnhart, George Creasy, Heather Sussman, Mohcine Alami, Anne E. Burke, Edith Weisberg, Ian Fraser, Marie-José Miranda, Melissa Gilliam, James Liu, Bruce R. Carr, Marlena Plagianos, Kevin Roberts, Diana Blithe

329 Bone turnover markers in women participating in a dose-finding trial of a contraceptive vaginal ring releasing Nestorone and estradiol

Molly Tiedeken, Carolyn L. Westhoff, Adi Cohen, Serge Cremers, Regine Sitruk-Ware, Diana L. Blithe The NICHD Contraceptive Trials Network Vaginal Ring Group

335 Intrauterine mepivacaine instillation for pain relief during intrauterine device insertion in nulliparous women: a double-blind, randomized, controlled trial

Niklas Envall, Helena Graflund Lagercrantz, Jessica Sunesson, Helena Kopp Kallner

340 Bleeding and spotting with the levonorgestrel 13.5 mg intrauterine system: the impact of insertion timing

Noa'a Shimoni, Tasmiah Choudhury, Alice R. Goldman, Michelle Frondelli, Ping-Hsin Chen

345 Safety of levonorgestrel 52 mg intrauterine system compared to copper intrauterine device: a population-based cohort study

Pauline Bosco-Lévy, Amandine Gouverneur, Claire Langlade, Ghada Miremont, Antoine Pariente

350 F5-peptide enhances the efficacy of the non-hormonal male contraceptive adjuvin

Haiqi Chen, Dolores Mruk, Chris K.C. Wong, Bruno Silvestrini, C. Yan Cheng

357 Acceptability of the Woman's Condom in a phase III multicenter open-label study

Beatrice A. Chen, Diana L. Blithe, Gitonga R. Muraguri, Audrey A. Lance, Bruce R. Carr, Jeffrey T. Jensen, Thomas D. Kimble, Amitasrigowri S. Murthy, Courtney A. Schreiber, Michael A. Thomas, Terri L. Walsh, Carolyn Westhoff, Anne E. Burke

(Contents continued)

- 363** Access to contraception in local health departments, four Midwest states, 2017–2018
Catherine Lindsey Satterwhite, Valerie French, Molly Allison, Tanya Honderick, Megha Ramaswamy
- 368** Effect of theory-based contraception comics on subjective contraceptive knowledge: a pilot study
Aparna Sridhar, Sarah Friedman, Jonathan F. Grotts, Bethlehem Michael
- 373** Opportunistic salpingectomy during postpartum contraception procedures at elective and unscheduled cesarean delivery
Federico Ferrari, Sara Forte, Federico Prefumo, Enrico Sartori, Franco Odicino
- Correspondence**
- 377** Letter to the editor re: “A noninferiority randomized controlled trial to compare transabdominal and transvaginal sonography for eligibility assessment prior to medical abortion”
Ariel Sklar, Stephanie Teal, Jeanelle Sheeder
- 378** Response re: A non-inferiority randomized controlled trial to compare transabdominal and transvaginal sonography for eligibility assessment prior to medical abortion
Annie Fu, Caitlin E. Weber, Emma Gilmore, Anne R. Davis, Gregory Hirsch, Carolyn L. Westhoff

Also available from Contraception: X, Contraception’s Open Access sister journal:

- Can we safely stop testing for Rh status and immunizing Rh-negative women having early abortions? A comparison of Rh alloimmunization in Canada and the Netherlands
Ellen R. Wiebe, Mackenzie Campbell, Abigail R.A. Aiken, Arianne Albert
- Continuous vs. cyclic combined hormonal contraceptives for treatment of dysmenorrhea: A systematic review
Tiffany Damm, Georgine Lamvu, Jorge Carrillo, Chensi Ouyang, Jessica Feranec
- Do young men's reports of hormonal and long-acting contraceptive method use match their female partner's reports?
Elizabeth Karberg, Elizabeth Wildsmith, Jennifer Manlove, Makedah Johnson

All articles can be viewed at <https://www.sciencedirect.com/journal/contraception-x>. To receive updates in your inbox from Contraception: X please sign up for alerts at the Contraception: X homepage.