

Journal of  
Obstetric,  
Gynecologic, &  
Neonatal Nursing

# JOGNN

*Scholarship for the Care of Women,  
Childbearing Families, & Newborns*

January/February 2017  
Volume 46 • Number 1



## EDITORIAL

The 40th Anniversary and Counting of the Nurses' Health Study

## RESEARCH

Variation in Hospital Intrapartum Practices and Association With Cesarean Rate

Challenging Expected Patterns of Weight Loss in Full-Term Breastfeeding Neonates Born by Cesarean

Perinatal Nurse Home Visiting Referral Patterns Among Women With Diabetes and Hypertension in Philadelphia

Effect of the Postpartum Hospital Environment on the Attainment of Mothers' and Fathers' Goals

The Roles of Formaldehyde Exposure and Oxidative Stress in Fetal Growth in the Second Trimester

Attitudes of European Geneticists Regarding Expanded Carrier Screening

## CASE REPORT

A Case Report of Pregnancy During Use of Targeted Therapeutics for Cystic Fibrosis

## PRINCIPLES & PRACTICE

Evolutionary Concept Analysis of Reproductive Life Planning

## SPECIAL REPORT

Current Resources for Evidence-Based Practice, January/February 2017

## EXPERT OPINION

Consensus Bundle on Prevention of Surgical Site Infections After Major Gynecologic Surgery

## AWHONN POSITION STATEMENTS

Access to Health Care

Advanced Cardiac Life Support in Obstetric Settings

Rights and Responsibilities of Nurses Related to Reproductive Health Care

## IN FOCUS EDITORIAL

Nutrient Intake During Pregnancy

## IN FOCUS

Decreased Nutrient Intake Is Associated With Premature Cervical Remodeling

## IN FOCUS CNE

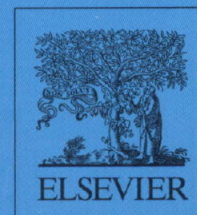
Vitamin D3 Supplementation During Pregnancy and Lactation Improves Vitamin D Status of the Mother–Infant Dyad

## IN FOCUS

Iron Metabolism in African American Women in the Second and Third Trimesters of High-Risk Pregnancies

## REVIEWER ACKNOWLEDGMENT

2016 JOGNN Reviewers



## EDITORIAL

### 1 **The 40th Anniversary and Counting of the Nurses' Health Study**

The editor celebrates the contributions of more than 120,000 nurses over the past 40 years to the advancement of knowledge in women's health.

*Nancy K. Lowe*

## RESEARCH

### 5 **Variation in Hospital Intrapartum Practices and Association With Cesarean Rate**

The staffing, policies, and processes of intrapartum care vary widely among hospitals, which suggests the potential for different levels of intervention, including cesarean.

*Lisbet S. Lundsberg, Jessica L. Illuzzi, Aileen M. Garipey, Sangini S. Sheth, Christian M. Pettker, Henry C. Lee, Heather S. Lipkind, and Xiao Xu*

### 18 **Challenging Expected Patterns of Weight Loss in Full-Term Breastfeeding Neonates Born by Cesarean**

When newborn weight loss reaches 7%, supplementation with formula increases markedly, but expected weight loss for full-term newborns may be 8% or more.

*Diane Thulier*

### 29<sup>®</sup> **Perinatal Nurse Home Visiting Referral Patterns Among Women With Diabetes and Hypertension in Philadelphia**

Perinatal nurse home visiting models tailored for childbearing women with diabetes and hypertension should be a priority focus for nursing research, education, and practice.

*Joan R. Bloch, Susan Zupan, Amy E. McKeever, and Jennifer L. Barkin*

### 40 **Effect of the Postpartum Hospital Environment on the Attainment of Mothers' and Fathers' Goals**

Responsive nursing care aligns with the goals of parents to develop parenting competence and fulfill personal needs, but hospital routines and the physical setting do not.

*Jenny Gaboury, Shalisa Capaday, Jennifer Somera, and Margaret Purden*

### 51 **The Roles of Formaldehyde Exposure and Oxidative Stress in Fetal Growth in the Second Trimester**

The authors found a relationship between formaldehyde exposure and biparietal diameter in the second trimester.

*Azita Amiri and Anne Turner-Henson*

### 63 **Attitudes of European Geneticists Regarding Expanded Carrier Screening**

Because of the many challenges associated with expanded carrier screening programs, the test should not be offered to all prospective parents in the absence of risk-benefit analysis.

*Sandra Janssens, Davit Chokoshvili, Danya Vears, Anne De Paep, and Pascal Borry*

## CASE REPORT

### 72 **A Case Report of Pregnancy During Use of Targeted Therapeutics for Cystic Fibrosis**

The authors discuss implications related to the delivery of comprehensive sexual and reproductive health care to women with cystic fibrosis who are taking or considering ivacaftor or lumacaftor/ivacaftor.

*Sigrid Ladores, Traci M. Kazmerski, and Steven M. Rowe*

## PRINCIPLES & PRACTICE

### 78 **Evolutionary Concept Analysis of Reproductive Life Planning**

Reproductive life planning is a goal-oriented, personalized, collaborative, and fluid process to reproductive health care with a focus on health promotion.

*Stephanie W. Edmonds and Lioness Ayres*

## SPECIAL REPORT

### 91 **Current Resources for Evidence-Based Practice, January/February 2017**

A review of new resources to support the provision of evidence-based care for women and infants.

*Nicole S. Carlson*

*Continued*

#### On Our Cover:

*The Nurses Window (detail), Church of St Bartholomew the Less, London. Created by Bill Forbes. Location: E&E Image Library, Great Britain. Photo credit: HIP/Art Resource, NY.*

**EXPERT OPINION**

- 100 Consensus Bundle on Prevention of Surgical Site Infections After Major Gynecologic Surgery**  
 Responsive nursing care aligns with the goals of parents to develop parenting competence and fulfill personal needs, but hospital routines and the physical setting do not.  
*Joseph E. Pellegrini, Paloma Toledo, David E. Soper, William C. Bradford, Deborah A. Cruz, Barbara S. Levy, and Lauren A. Lemieux*

**A WHONN POSITION STATEMENTS**

- 114 Access to Health Care**  
**117 Advanced Cardiac Life Support in Obstetric Settings**  
**119 Rights and Responsibilities of Nurses Related to Reproductive Health Care**

**IN FOCUS EDITORIAL**

- 120 Nutrient Intake During Pregnancy**  
 The guest editor introduces articles in which the authors explore the different ways that individual nutrients can affect maternal and child health outcomes.  
*Mary Dawn Koenig*

**IN FOCUS**

- 123 Decreased Nutrient Intake Is Associated With Premature Cervical Remodeling**  
 Pregnant African American women with poor nutritional intake of zinc, calcium, or vitamin E were at greater risk for premature cervical remodeling.  
*Mary Dawn Koenig, Barbara L. McFarlin, Alana D. Steffen, Lisa Tussing-Humphreys, Carmen Giurgescu, Christopher G. Engeland, Michelle A. Kominiarek, Christina Cieczak-Karpel, William D. O'Brien Jr., and Rosemary White-Traut*

**IN FOCUS CNE**

- 135 Vitamin D3 Supplementation During Pregnancy and Lactation Improves Vitamin D Status of the Mother-Infant Dyad**  
**CNE**  
 Vitamin D3 supplementation to achieve adequate blood levels in pregnant and exclusively breastfeeding women may eliminate the need for direct supplementation of infants.  
*Doria K. Thiele, Jody Ralph, Maher El-Masri, and Cindy M. Anderson*

**IN FOCUS**

- 148 Iron Metabolism in African American Women in the Second and Third Trimesters of High-Risk Pregnancies**  
 In this sample, results indicated lower iron bioavailability in African American women with high-risk pregnancies.  
*Lauren Welke, Mary Dawn Koenig, Jessica L. Thomson, Elizabeta Nemeth, Rosemary White-Traut, Barbara L. McFarlin, Carmen Giurgescu, Christopher G. Engeland, Michelle A. Kominiarek, and Lisa Tussing-Humphreys*

**REVIEWER ACKNOWLEDGMENT**

- 159 2016 JOGNN Reviewers**

**ARTICLES ONLINE**

Access these and all articles at <http://jognn.org>.

**IN FOCUS CNE POST TEST**

- e1 Vitamin D3 Supplementation During Pregnancy and Lactation Improves Vitamin D Status of the Mother-Infant Dyad**  
*Doria K. Thiele, Jody Ralph, Maher El-Masri, and Cindy M. Anderson*

**RESEARCH**

- e3 Why Do Chilean Women Choose to Have or Not Have Pap Tests?**  
 Nurses should proactively address women's perceptions and knowledge about screening by openly and uniformly discussing the importance and benefits of a Pap test.  
*Maria-Teresa Urrutia, Alejandra Araya, and Maria-Fernanda Jaque*
- e13 Development and Validation of the Self-Efficacy Regarding Vaginal Birth Scale**  
 The Self-Efficacy Regarding Vaginal Birth scale had acceptable reliability and validity in this large group of Chinese women.  
*Kuei-Hui Chu, Ai-Chieh Chen, Chen-Jei Tai, Shu-Fen Chen, and Li-Yin Chien*

**ERRATA**

- e22 Errata**