SPECIAL REPORT

761 Insights into fetal death—a patient resource
Roger Smith; Lee Dedman; Zakia Sultana; David Banney; Kaushik Maiti
This educational video explains that the placenta is a fetal organ and how aging of the placenta may lead to death of an otherwise healthy fetus.

EXPERT REVIEWS

764 Implementing pre-exposure prophylaxis for HIV prevention in women: the role of the obstetrician-gynecologist
Sharlay K. Butler; Yasaswi Kislovskiy; Katherine Bunge; Harold C. Wiesenfeld
This was a review of oral pre-exposure prophylaxis use among US women and clinical implementation guidance.

773 Female permanent contraception trends and updates
Nancy Z. Fang; Simone P. Advaney; Paula M. Castano; Anne Davis; Carolyn L. Westhoff
We have reviewed aspects of permanent contraception related to demographic characteristics, time trends, surgical techniques, and barriers to obtain the procedure.

SYSTEMATIC REVIEWS

781 Manual rotation of occiput posterior or transverse positions: a systematic review and meta-analysis of randomized controlled trials
Charline Bertholdt; Olivier Morel; Stéphane Zuily; Gaëlle Ambroise-Grandjean
Manual rotation of the occiput posterior position during the second stage of labor was associated with an increased rate of spontaneous vaginal delivery.

794 Erythromycin vs azithromycin for treatment of preterm prelabor rupture of membranes: a systematic review and meta-analysis
Rachel D. Seaman; Rachel H. Kopkin; Mark A. Turrentine
Women with preterm prelabor rupture of membranes treated with azithromycin have similar latency periods but lower rates of clinical chorioamnionitis than women treated with erythromycin.

(continued)
CLINICAL OPINION

802 Rising above the mask wars: using nonpharmaceutical interventions to lessen the burden of influenza
Laura C. Gilroy; Howard L. Minkoff
The COVID-19 pandemic resulted in the normalization of nonpharmaceutical approaches to the prevention of viral infection. We review how these measures might prevent influenza in pregnancy.

805 Reversing physician hesitancy to recommend COVID-19 vaccination for pregnant patients
Frank A. Chervenak; Laurence B. McCullough; Amos Grünebaum
Obstetricians and those in leadership positions must end physician hesitancy about COVID-19 vaccination of pregnant women by reversing three root causes of physician hesitancy.

813 Oxygen saturation in pregnant individuals with COVID-19: time for re-appraisal?
Joe Eid; David Stahl; Maged M. Costantine; Kara M. Rood
Evidence to support maintenance of O₂ saturation at ≥95% during pregnancy is lacking; we suggest maintaining saturation in a range of 92% to 96% in critically ill patients.

ORIGINAL RESEARCH

Articles abstracted in this issue appear in full at GYNECOLOGY

817 Risk factors for financial toxicity in patients with gynecologic cancer
Emeline M. Aviki; Beryl L. Manning-Geist; Stefania S. Sokolowski; Tiffany Newman; Victoria S. Blinder; Fumiko Chino; Stephanie M. Doyle; Allison Liehbaber; Sushmita B. Gordhandas; Carol L. Brown; Vance Broach; Dennis S. Chi; Elizabeth L. Jewell; Mario M. Leitao Jr; Kara Long Roche; Jennifer J. Mueller; Yukio Sonoda; Oliver Zivanovic; Ginger J. Gardner; Nadeem R. Abu-Rustum
Objective metrics can be used to identify risk factors for financial toxicity. Demographics and healthcare utilization metrics may be used to proactively identify high-risk patients.

819 The impact of the COVID-19 pandemic on abortion care utilization and disparities by age
Isabel R. Fulcher; Chiamaka Onwuzurike; Alisa B. Goldberg; Alischer A. Cottrill; Jennifer Fortin; Elizabeth Janiak
Abortion care utilization decreased markedly among young adults and adults in Massachusetts from March 2020 and among minors from July 2020.

821 Oral contraceptive use by formulation and breast cancer risk by subtype in the Nurses’ Health Study II: a prospective cohort study
Norah A. Burchardt; A. Heather Eliassen; Amy L. Shafrir; Bernard Rosner; Rulla M. Tamimi; Rudolf Kaaks; Shelley S. Tworoger; Renée T. Fortner
Current use of oral contraceptives overall and use of OC formulations containing the progestins levonorgestrel and norgestrel were associated with higher breast cancer risk regardless of disease subtype.

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Racial and ethnic disparities in surgical care for endometriosis across the United States
Megan S. Orlando; Miguel A. Luna Russo; Elliott G. Richards; Cara R. King; Amy J. Park; Linda D. Bradley; Graham C. Chapman
Race and ethnicity are associated with surgical outcomes for individuals with endometriosis, including complications and receipt of minimally invasive and definitive surgical treatments.

Minimally invasive myomectomy: practice trends and differences between Black and non-Black women within a large integrated healthcare system
Eve Zaritsky; Amy Le; Lue-Yen Tucker; Anthonia Ojo; Miranda Ritterman Weintraub; Tina Raine-Bennett
Between 2009 and 2019, the proportion of minimally invasive myomectomies performed markedly increased; however, the rates continued to be disproportionately lower for Black patients.

Pregnancy outcomes among women with endometriosis and fibroids: registry linkage study in Massachusetts
Leslie V. Farland; Judy E. Stern; Chia-ling Liu; Howard J. Cabral; Charles C. Coddington III; Hafsatou Diop; Dmitiy Dukhovny; Sunah Hwang; Stacey A. Missmer
Endometriosis and/or fibroids may increase the risk for adverse pregnancy outcomes, possibly warranting differential screening or treatment.

Cost-effectiveness of bacteriuria screening before urogynecologic surgery
Whitney K. Hendrickson; Laura Havrilesky; Nazema Y. Siddiqui
Selective bacteriuria screening and treatment before urogynecologic surgery is cost-effective compared with universal and no screening.

Sleep-disordered breathing in high-risk pregnancies is associated with elevated arterial stiffness and increased risk for preeclampsia
Kim Phan; Sushmita Pamidi; Yessica-Haydee Gomez; Jessica Gorgui; Amira El-Messidi; Robert Gagnon; R. John Kimoff; Haim A. Abenhaim; Stella S. Daskalopoulou
Midgestational sleep-disordered breathing in high-risk pregnant women was associated with greater arterial stiffness throughout gestation and increased preeclampsia risk; this effect was amplified by excessive daytime sleepiness.

Is there a relationship between plasma, cytokine concentrations, and the subsequent risk of postpartum hemorrhage?
Hai Jiang; Huifeng Shi; Lian Chen; Jing Yang; Pengbo Yuan; Wei Wang; Yanli Pang; Yuan Wei; Yangyu Zhao
Is there a relationship between plasma, cytokine concentrations, and the subsequent risk of postpartum hemorrhage?
ORIGINAL RESEARCH (continued)

837 Searching for placenta percreta: a prospective cohort and systematic review of case reports

Eric Jauniaux; Jonathan L. Hecht; Rasha A. Elbarmelgy; Rana M. Elbarmelgy; Mohamed M. Thabet; Ahmed M. Hussein

Placenta percreta as described clinically did not correspond to a standardized histopathologic entity and was not associated with intramural villous invasion of the uterine wall.

839 Conservative management or cesarean hysterectomy for placenta accreta spectrum: the PACCReTA prospective study

Loïc Sentilhes; Aurélien Seco; Elie Azria; Gaël Beucher; Marie-Pierre Bonnet; Bernard Branger; Lionel Carbillon; Coralie Chiesa; Catherine Crenn-Hebert; Michel Dreyfus; Corinne Dupont; Jeanne Fresson; Cyril Hiussoud; Bruno Langer; Olivier Morel; Sophie Patrerie; Franck Perrotin; Pierre Raynal; Patrick Rozenberg; René-Charles Rudigoz; Françoise Vendittelli; Norbert Winer; Catherine Deneux-Tharaux; Gilles Kayem; On behalf of the PACCReTA Study Group

Conservative management was associated with a lower incidence of >4 units of packed red blood cells within 6 months than cesarean hysterectomy.

843 Single fetal demise following fetoscopic ablation for twin-to-twin transfusion syndrome—cohort study, systematic review, and meta-analysis

Hiba J. Mustafa; Ali Javinani; Katherine Goetzinger; Faezeh Aghajani; Christopher Harman; Alireza A. Shamshirsaz; Magdalena Sanz Cortes; Roopali V. Donepudi; Eyal Krispin; Ahmed A. Nassr; Jimmy Espinoza; Michael A. Belfort; Ozhan M. Turan

A wide range of preoperative and operative factors were associated with single fetal demise after laser treatment for twin-to-twin transfusion syndrome.

846 Sexual and/or gender minority disparities in obstetrical and birth outcomes

Stephanie A. Leonard; Iman Berrahou; Adary Zhang; Brent Monseur; Elliott K. Main; Juno Obedin-Maliver

Birthing patients in mother-mother partnerships experienced a higher risk of adverse obstetrical and birth outcomes than birthing patients in mother-father partnerships.

848 The association between care management and neonatal outcomes: the role of a Medicaid-managed pregnancy medical home in North Carolina

Divya Mallampati; Carlos Jackson; M. Kathryn Menard

Care management is associated with lower rates of low birthweight and preterm birth.

850 Neurocognitive sequelae of antenatal corticosteroids in a late preterm rabbit model

Johannes van der Merwe; Lennart van der Veeken; Annalisa Inversetti; Angela Galgano; Ignacio Valenzuela; Thomas Salaets; Sebastiano Ferraris; Tom Vercauteren; Jaan Toelen; Jan Deprest

In a rabbit model, antenatal corticosteroid exposure in the late preterm period is associated with improved lung function but compromised short- and long-term neurocognition.

(continued on page 8A)
Treatment-refractory extramammary Paget disease responsive to radiotherapy

Hunter J. Pyle; Heather W. Goff; Chika R. Nwachukwu; Melissa M. Mauskar

Palliative radiation therapy was used in a patient with extramammary Paget disease when surgery was not possible.

Human embryo at 10 weeks' gestation

Bingyi Guo; Ting Wang; Yanpeng Wang

A diagnostic hysteroscopy for angular pregnancy provided a good visualization of human embryo at 10 weeks' gestation.

Accuracy of baseline prevalence estimates for sample size calculations in obstetrical randomized controlled trials

Kelly C. Ditter; Ellen H. Crowe; Hector Mendez-Figueroa; Stephen Wagner; Megha Gupta; Suneet P. Chauhan; Sean C. Blackwell

Perspectives on postpartum diabetes screening among patients with gestational diabetes in an integrated healthcare system

Katherine Glaser; Assiamira Ferrara; Jenna L. Ritchie; Ai-Lin Tsai; Mara Greenberg; Charles P. Quesenberry; Susan D. Brown

Perioperative opioid-prescribing practices of resident trainees compared with staff surgeons

Ally Murji; Lucie Richard; Eric McArthur; Peter C. Austin; Lorraine Lipscombe; Tara Gomes

Association of transfer of frozen embryos in the programmed cycle with hypertensive disorders of pregnancy

Pietro Bortoletto; Kristen Cagino; Kelly McCarter; Kimberly Forlenza; Annie Yau; Malavika Prabhu; Alexis P. Melnick

Racial-ethnic diversity of obstetrics and gynecology faculty at medical schools in the United States

William F. Rayburn; Imam M. Xierali; William A. McDade

Impact of the COVID-19 pandemic on the incidence of prematurity: critical role of gestational age and environment

Barry Weinberger; Jasmin Divers; Deborah Campbell; Steven Ham; Courtney Juliano; Dalibor Kurepa; Edmund Lagamma; Pradeep Mally; Suhas Nafday; Sheri Nemerofsky; Shanthy Sridhar; Kim Williams; Nazeeh Hanna
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868 Physiological approaches to reducing blood loss during cesarean delivery
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869 Postsurgical barrier strategies to avoid the recurrence of intrauterine adhesion formation after hysteroscopic adhesiolysis: a comment
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871 Conservative management of placenta accreta spectrum: is it time?
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873 Extracorporeal membrane oxygenation in pregnancy: a bridge to delivery and pulmonary recovery for COVID-19—related severe respiratory failure
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874 Interventions to decrease complications after shoulder dystocia: a systematic review and Bayesian meta-analysis: a reply
Robert H. Allen; Edith Gurewitsch Allen
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Steve M. Wagner; Hector Mendez-Figueroa; Suneet P. Chauhan

876 SMFM Consult Series #58: Need for a clear evidence base to guide expanded use of antenatal corticosteroids for individuals at risk for late preterm delivery
Alex C. Vidaeff; Alireza A. Shamshirsaz; Kjersti M. Aagaard
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Society for Maternal-Fetal Medicine, Publications Committee

878 Society for Maternal-Fetal Medicine Consult Series #59: the use of analgesia and anesthesia for maternal-fetal procedures: a letter to the editor
Bridget Thill
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Society for Maternal-Fetal Medicine, Publications Committee

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Society for Maternal-Fetal Medicine Special Statement: Quality metrics for optimal timing of antenatal corticosteroid administration

Society for Maternal-Fetal Medicine (SMFM); Rebecca Feldman Hamm; C. Andrew Combs; Paola Aghajanian; Alexander M. Friedman; Patient Safety and Quality Committee

This Society for Maternal-Fetal Medicine Special Statement proposes a new quality metric to assess the rate of optimally timed antenatal corticosteroid administration among early preterm births.

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