Promotion of gender equity in obstetrics and gynecology: principles and practices for academic leaders
Linda Brubaker; Erica Marsh; Marcelle I. Cedars; Dee Fenner; Amy Murtha; Barbara Goff; Dineo Khabele

Specific leadership principles and practices are recommended to promote gender equity in obstetrics and gynecology.

Giants in Obstetrics and Gynecology
Giants in Obstetrics and Gynecology Series: A profile of Mary Lake Polan, MD, PhD, MPH
Roberto Romero

An update on COVID-19 and pregnancy
Denise J. Jamieson; Sonja A. Rasmussen
COVID-19 infection in pregnancy is associated with an increased risk of severe maternal disease as well as a number of adverse pregnancy outcomes including preeclampsia, preterm birth, stillbirth, and risk of intrauterine transmission. All COVID-19 vaccines currently available in the United States can be administered to pregnant or lactating persons.

Comprehensive evaluation of disparities in cardiometabolic and reproductive risk between Hispanic and White women with polycystic ovary syndrome in the United States: a systematic review and meta-analysis
Maryam Kazemi; Joy Y. Kim; Cynthia Wan; Julia D. Xiong; Stephen A. Parry; Ricardo Azziz; Marla E. Lujan
In polycystic ovary syndrome, Hispanic women have exhibited greater impairments in glucoregulatory status (higher insulin and homeostatic model assessment of insulin resistance) than White women.

Original research articles, whose abstracts appear in this issue, are posted in full at ajog.org.
Intrapartum ultrasound measurement of angle of progression at the onset of the second stage of labor for prediction of spontaneous vaginal delivery in term singleton pregnancies: a systematic review and meta-analysis

Ahmed A. Nassr; Vincenzo Berghella; Kamran Hessami; Carolina Bibbo; Federica Bellussi; Julian N. Robinson; Vajiheh Marsoosi; Reza Tabrizi; Roya Safari-Faramani; Mary Catherine Tolcher; Amir A. Shamshirsaz; Steven L. Clark; Michael A. Belfort; Alireza A. Shamshirsaz

Ultrasound-measured angle of progression at the onset of the second stage of labor is a potentially important predictor of spontaneous vaginal delivery in term singleton pregnancies.

Biplane mode for more precise intrauterine procedures

Gihad E. Chalouhi; Alexandra Guenuec; Georges Rameh; Hassan Hamze; Laurent J. Salomon; Yves Ville

This clinical opinion assessed the use of the biplane mode in ultrasound-guided fetal procedures.

Ovarian cancer incidence and death in average-risk women undergoing bilateral salpingo-oophorectomy at benign hysterectomy

Maria C. Cusimano; Sarah E. Ferguson; Rahim Moineddin; Maria Chiu; Suriya Aktar; Ning Liu; Nancy N. Baxter

Population-average estimates of the reduction in ovarian cancer incidence and death associated with bilateral salpingo-oophorectomy at benign hysterectomy can inform practice guidelines, patient decision-making, and surgical management.

Predicting regression of cervical intraepithelial neoplasia grade 2 in women under 25 years

Peter H. Sykes; Bryony J. Simcock; Carrie R. Innes; Dianne Harker; Jonathan A. Williman; Martin Whitehead; Rachael A. van der Griend; Beverley A. Lawton; Merilyn Hibma; Peter Fitzgerald; Narena M. Dudley; Simone Petrich; Lois Eva; Cecile Bergzoll; Jyoti Kathuria; Georgina McPherson; Amanda Tristram; Jim Faherty; Donna Hardie; Anne Robertson; Vicki Robertson; Selvan Pather; C. David Wrede; Flora Gastrell; Gary Fentiman; Michael John; Elaine White; Catherine Parker; Lynn Sadler

Approximately 64% of women aged <25 years with cervical intraepithelial neoplasia grade 2 will regress without treatment within 2 years, with absence of human papillomavirus 16 being the strongest predictor of regression.

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Recurrent bacterial vaginosis following metronidazole treatment is associated with microbiota richness at diagnosis
Andrew T. Gustin; Andrea R. Thurman; Neelima Chandra; Luca Schifanella; Maria Alcaide; Raina Fichorova; Gustavo F. Doncel; Michael Gale Jr; Nichole R. Klatt
The prevalence of diverse, low-abundance taxa is significantly elevated in women who experience bacterial vaginosis treatment failure, suggesting that firmly established polymicrobial communities may entrench common bacterial-vaginosis-associated bacteria.

Cost-effectiveness analysis of the 2019 American Society for Colposcopy and Cervical Pathology Risk-Based Management Consensus Guidelines for the management of abnormal cervical cancer screening tests and cancer precursors
Vidit N. Munshi; Rebecca B. Perkins; Stephen Sy; Jane J. Kim
New guidelines for the management of abnormal cervical cancer screening tests use a risk-based approach and are more cost-effective than the previous guidelines.

Interpersonal violence and painful bladder symptoms in community-dwelling midlife to older women
Eva Raphael; Stephen K. Van Den Eeden; Carolyn J. Gibson; Chris Tonner; David H. Thom; Leslee Subak; Alison J. Huang
In a multiethnic, community-based cohort of midlife to older women, interpersonal violence exposure and current posttraumatic stress disorder symptoms were independently associated with bladder pain and infections.

Who is providing contraception care in the United States? An observational study of the contraception workforce
Candice Chen; Julia Strasser; Rachel Banawa; Qian Luo; Mandar Bodas; Catarina Castruccio-Prince; Kirsten Das; Patricia Pittman
The composition and distribution of the contraception workforce vary widely by geographic location, provider specialty, and Medicaid acceptance.

Primary prevention of ovarian cancer: a patient decision aid for opportunistic salpingectomy
Laura A. M. van Lieshout; Malou E. Gelderblom; Joanne A. de Hullu; Regina The; Alexandra A. van Ginkel; Anke J. M. Oerlemans; Kirsten M. W. H. Smeets; Malou P. H. Schreurs; Jurgen M. J. Piek; Rosella P. M. G. Hermens
Systematic development and testing of a patient decision aid have assisted patients and physicians to consider opportunistic salpingectomy and salpingectomy as sterilization methods to reduce ovarian cancer risk.

COVID-19 vaccination during pregnancy: coverage and safety
Helena Blakeway; Smriti Prasad; Erkan Kalafat; Paul T. Heath; Shamez N. Ladhani; Kirsty Le Doare; Laura A. Magee; Pat O’Brien; Arezou Rezvani; Peter von Dadelszen; Asma Khalil
Pregnant women are reluctant to take up the COVID-19 vaccine despite the mounting evidence that it is safe and effective in pregnancy.
238 Fetal magnetic resonance imaging at 36 weeks predicts neonatal macrosomia: the PREMACRO study
Caroline Kadji; Mieke M. Cannie; Xin Kang; Andrew Carlin; Serge Benjou Etchoua; Serena Resta; Vivien Dütemeyer; Fouad Abi-Khalil; Eleonora Mazzone; Elisa Bevilacqua; Jacques C. Jani
This study provided evidence that at 36 weeks’ gestation, magnetic resonance imaging performs better than ultrasound in the prediction of large-for-gestational-age (LGA) of ≥95th percentile and all other recognized cutoffs for LGA and small-for-gestational-age neonates.

241 Physiological subtypes of gestational glucose intolerance and risk of adverse pregnancy outcomes
Daryl J. Selen; P. Kaitlyn Edelson; Kaitlyn James; Kathryn Corelli; Marie-France Hivert; James B. Meigs; Ravi Thadhani; Jeffrey Ecker; Camille E. Powe
Fasting blood tests identify insulin-resistant women with gestational glucose intolerance who are at risk of hyperglycemia-associated adverse pregnancy outcomes.

243 Failure of placental detachment in accreta placenta is associated with excessive fibrinoid deposition at the utero-placental interface
Eric Jauniaux; Ahmed M. Hussein; Rana M. Elbarmelgy; Rasha A. Elbarmelgy; Graham J. Burton
Accreta areas present a thick layer of fibrinoid deposition at the utero-placental interface, which distorts the site of physiological placental detachment.

245 Urologic morbidity associated with placenta accreta spectrum surgeries: single-center experience with a multidisciplinary team
Hadi Erfani; Bahram Salmanian; Karin A. Fox; Michael Coburn; Nazlisadat Meshinchiasl; Amir A. Shamshirzaz; Rachel Kopkin; Soumya Gogia; Kunal Patel; Josef Jackson; Max Cadena; Soroush Aalipour; Shyamsunder Sukumar; Ahmed A. Nassr; Jimmy Espinoza; Steven L. Clark; Michael A. Belfort; Ali reza A. Shamshirzaz
Greater depth of invasion in placenta accreta spectrum is associated with an increased rate of adverse urologic events. Implementation of preoperative cystoscopy with temporary ureteral stent placement before complicated PAS surgeries is recommended.

247 Delayed cord clamping in small for gestational age preterm infants
Beth Ellen Brown; Prakesh S. Shah; Jehier K. Afifi; Rebecca L. Sherlock; Mohammad A. Adie; Luis A. Monterrosa; Joan M. Crane; Xiang Y. Ye; Walid I. El-Naggar; On behalf of the Canadian Neonatal Network and the Canadian Preterm Birth Network Investigators
Delayed cord clamping in small for gestational age preterm infants was associated with decreased odds of mortality or major morbidity.

249 The selective progesterone receptor modulator-promegestone-delays term parturition and prevents systemic inflammation-mediated preterm birth in mice
Oksana Shynlova; Lubna Nadeem; Anna Dorogin; Sam Mesiano; Stephen J. Lye
The selective progesterone receptor modulator promegestone, which is not metabolized by 20α-hydroxysteroid dehydrogenase, inhibits the expression of the genes/proteins required for myometrial contractility, reduces inflammation, and prevents preterm birth in mice.
**ORIGINAL RESEARCH** (continued from page 5A)

251 A randomized controlled trial of low-dose aspirin for the prevention of preeclampsia in women at high risk in China

Li Lin; Jing Hua; Boya Li; Yuchun Zhu; Juan Juan; Meihua Zhang; Shihong Cui; Xianlan Zhao; Yuyan Ma; Yangyu Zhao; Yang Mi; Hongjuan Ding; Dunjin Chen; Weishe Zhang; Hongbo Qi; Xiaotian Li; Guanlin Li; Jiahui Chen; Huijing Zhang; Mengting Yu; Xiaotong Sun; Huixia Yang

The incidence of preeclampsia was not reduced by prescribing 100 mg of aspirin from 12 to 20 weeks of gestation until 34 gestational weeks in a Chinese high-risk population.

253 Evaluation of the usefulness of ultrasound measurement of the lower uterine segment before delivery of women with a prior cesarean delivery: a randomized trial

Patrick Rozenberg; Marie-Victoire Sénat; Philippe Deruelle; Norbert Winer; Emmanuel Simon; Yves Ville; Gilles Kayem; Raphael Porcher; Élodie Perrodeau; Raoul Desbrière; Isabelle Boutron; On behalf of the Groupe de Recherche en Obstétrique et Gynécologie

Ultrasound measurements of lower uterine segment thickness did not decrease adverse maternal and perinatal outcomes compared with standard management among pregnant women with a previous cesarean delivery.

255 Outcomes associated with antibiotic administration for isolated maternal fever in labor

Tracy Caroline Bank; Emily Nuss; Keshab Subedi; Matthew K. Hoffman; Anthony Sciscione

Antibiotic use for nonsustained, isolated maternal fever is associated with improved maternal outcomes, however, it shows potential risks to the neonate.

257 Are children born by cesarean delivery at higher risk for respiratory sequelae?

Yasmin Salem; Marc-Alexander Oestreich; Oliver Fuchs; Jakob Usemann; Urs Frey; Daniel Surbek; Sofia Amylidi-Mohr; Phillipp Latzin; Kathryn Ramsey; Sophie Yammme; On behalf of the Bern Basel Infant Lung Development Study Group

Cesarean delivery was not associated with differences in respiratory, lung function, or atopic outcomes in infancy or at school age when compared with vaginal delivery.

**IMAGES IN OBSTETRICS**

259 Three-dimensional color Doppler acquisition of a highly vascular giant placental chorioangioma

Saloni Arora; Nidhi Khera; Anita Kaul

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261 Newborns’ passive humoral SARS-CoV-2 immunity following heterologous vaccination of the mother during pregnancy

Stefan Gloeckner; Franziska Hornung; Yvonne Heimann; Ekkehard Schleussner; Stefanie Deinhardt-Emmer; Bettina Loeffler; Janine Zoellkau

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263 Persistence of infection-induced SARS-CoV-2 seropositivity throughout gestation
Cara Staszewski; Burton Rochelson; David A. Krantz; Rachel P. Gerber; Hannah Juhel; Shreya Reddy; Matthew J. Blitz

264 Penetrative genital pain in transgender men using testosterone: a survey study
Martha F. Goetsch; Philippa J. A. Ribbink

270 SARS-CoV-2 infection and subsequent changes in the menstrual cycle among participants in the Arizona CoVHORT study
Sana M. Khan; Alexandra Shilen; Kelly M. Heslin; Providence Ishimwe; Alicia M. Allen; Elizabeth T. Jacobs; Leslie V. Farland

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276 Further genetic testing in prenatal cases of nonimmune hydrops fetalis with a normal array: a targeted panel or exome?
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Mary E. Norton; Teresa N. Sparks

278 Trajectories of antenatal depression and increased odds of preterm birth
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279 SARS-CoV-2 related myocardial injury might explain the predisposition to preeclampsia with maternal SARS-CoV-2 infection
Veronica Giorgione; Basky Thilaganathan
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281 Vaginal Birth After Cesarean calculator 2.0: still problematic
Patrick D. Thornton; Cathy L. Emeis; Pamela D. Pearson
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283 Search for a predictive relationship between ultrasound thickness of the lower uterine segment and rupture of the uterus in women with a prior cesarean delivery does not make biological sense
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286 Impaired cerebral autoregulation, cerebral perfusion pressure, and intracranial pressure in eclampsia
Nivedita Jha; Ajay Kumar Jha
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SOCIETY FOR MATERNAL-FETAL MEDICINE

B2 Society for Maternal-Fetal Medicine Special Statement: A quality metric for evaluating timely treatment of severe hypertension
Society for Maternal-Fetal Medicine (SMFM); C. Andrew Combs; John R. Allbert; Afshan B. Hameed; Elliott K. Main; Isabel Taylor; Christie Allen; SMFM Patient Safety and Quality Committee
In this statement, the Patient Safety and Quality Committee of the Society for Maternal-Fetal Medicine proposes a quality metric that facilities can use to track the rates of timely treatment of severe hypertension.