

SEPTEMBER 2018 ■ Volume 219, Number 3

EDITORIAL

223 Revisiting the use of intravenous immune globulin (IVIG) for Kell alloimmunization

James R. Scott

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GIANTS IN OBSTETRICS AND GYNECOLOGY

225 A profile of Bruno Lunenfeld, MD, FRCOG, FACOG (hon)

Roberto Romero

EXPERT REVIEWS

235 Postpartum intrauterine devices: clinical and programmatic review

Lisa M. Goldthwaite; Erica P. Cahill; Amy J. Voedisch; Paul D. Blumenthal

This article presents a review of postpartum intrauterine device use and services that include expulsion and continuation, eligibility criteria, contraindications, breastfeeding issues, and programmatic barriers to access.

242 Pitfalls in assessing chorioamnicity: novel observations and literature review



Jing Lu; Yvonne Kwun Yue Cheng; Yuen Ha Ting; Kwok Ming Law; Tak Yeung Leung

The pitfalls in sonographic assessment of chorioamnicity due to unusual ultrasound appearances or fundamental variations of multiple pregnancies are reviewed.

SYSTEMATIC REVIEWS

255 Physical activity for primary dysmenorrhea: a systematic review and meta-analysis of randomized controlled trials

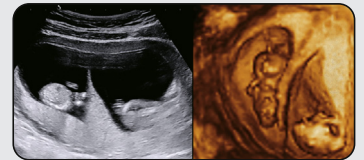
Gemma Matthewman; Alexandra Lee; Jaidev G. Kaur; Amanda J. Daley

A systematic review and meta-analysis of randomized controlled trials of the effectiveness of physical activity as a treatment for primary dysmenorrhea.

(continued on page 8A)

Original research articles, whose abstracts appear in this issue, are posted in full at ajog.org

ON THE COVER



Twins at 10 to 14 weeks' gestation are shown to be dichorionic by the presence of the "λ" (twin peak) sign, a triangular projection of placental tissue extending into the base of the intertwin membrane. Here, the λ sign is evident in dichorionic diamniotic twins under both 2D ultrasound (left) and 3D ultrasound (right).

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Research articles from the latest SMFM meeting, sped to press

IDSOG papers



Articles from the Infectious Diseases Society for Obstetrics and Gynecology

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SUBMISSION TO ONLINE PUBLICATION: ~3.5 MONTHS

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CLINICAL OPINION

267 “Doing something” about the cesarean delivery rate

Steven L. Clark; Thomas J. Garite; Emily F. Hamilton; Michael A. Belfort; G. D. Hankins

Efforts to reduce the current US cesarean rate that do not address the fundamental issues driving this rate may do more harm than good.

VIEWPOINT

272 Barriers to insurance coverage for transgender patients

Claire Learmonth; Rebekah Vioria; Cei Lambert; Hilary Goldhammer; Alex S. Keuroghlian

Despite evidence that gender-affirming obstetrics and gynecology services are necessary and cost-effective, transgender patients continue to face insurance barriers that impede delivery of care.

ORIGINAL RESEARCH

Articles abstracted in this issue appear in full at ajog.org

GYNECOLOGY

275 Use of nonsteroidal antiinflammatory drugs during pregnancy and the risk of miscarriage

De-Kun Li; Jeannette R. Ferber; Roxana Odouli; Charles Quesenberry

Use of nonsteroidal antiinflammatory drugs around the time of conception increases the risk of miscarriage, especially among women who have a low body mass index (<25 kg/m²).

277 A randomized controlled trial to determine whether a video presentation improves informed consent for hysterectomy

Alicia C. Pallett; Bao T. Nguyen; Natalie M. Klein; Neil Phippen; Caela R. Miller; Jason C. Barnett

A video presentation supplementing the preoperative informed consent counseling for hysterectomy improves patient comprehension through the day of surgery, thoroughness of counseling, and clinical efficiency.

279 Association among depression, symptom experience, and quality of life in polycystic ovary syndrome

Eleni A. Greenwood; Lauri A. Pasch; Marcelle I. Cedars; Richard S. Legro; Heather G. Huddleston; for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Reproductive Medicine Network

Depression may modulate symptom perception and is associated with reduced health-related quality of life in polycystic ovary syndrome.

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ORIGINAL RESEARCH *(continued)*

- 281** Surgery is not superior to dilation for the management of vaginal agenesis in Mayer-Rokitansky-Küster-Hauser syndrome: a multicenter comparative observational study in 131 patients
Alaa Cheikhelard; Maud Bidet; Amandine Baptiste; Magali Viaud; Christine Fagot; Naziha Khen-Dunlop; Christine Louis-Sylvestre; Sabine Sarnacki; Philippe Touraine; Caroline Elie; Yves Aigrain; Michel Polak; for the French MRKH Study Group

This was a national multicenter study comparing the quality of life and anatomical results of surgical vs nonsurgical vaginoplasty in Mayer-Rokitansky-Küster-Hauser syndrome, conducted by independent evaluators. All techniques provided similar results. More complications occurred after surgery.

- 283** Sexual response in women with Mayer-Rokitansky-Küster-Hauser syndrome with a nonsurgical neovagina

Stephanie Both; Kirsten Kluivers; Marianne ten Kate-Booij; Philomeen Weijenborg

This study presents a comparison of vaginal blood flow and subjective sexual response in women with Mayer-Rokitansky-Küster-Hauser syndrome and a nonsurgical neovagina with that of control subjects.

OBSTETRICS

- 285** Fetal growth velocity: the NICHD fetal growth studies

Katherine L. Grantz; Sungduk Kim; William A. Grobman; Roger Newman; John Owen; Daniel Skupski; Jagtेशwar Grewal; Edward K. Chien; Deborah A. Wing; Ronald J. Wapner; Angela C. Ranzini; Michael P. Nageotte; Stefanie N. Hinkle; Sarah Pugh; Hanyun Li; Karin Fuchs; Mary Hediger; Germaine M. Buck Louis; Paul S. Albert

For a given estimated fetal weight, fetuses with the greater growth velocity had a higher birthweight compared with slower growing (lesser growth velocity) fetuses.

- 287** Prospective chromosome analysis of 3429 amniocentesis samples in China using copy number variation sequencing

Jing Wang; Lin Chen; Cong Zhou; Li Wang; Hanbing Xie; Yuanyuan Xiao; Hongmei Zhu; Ting Hu; Zhu Zhang; Qian Zhu; Zhiying Liu; Shanlin Liu; He Wang; Mengnan Xu; Zhilin Ren; Fuli Yu; David S. Cram; Hongqian Liu
Prenatal chromosome analysis by copy number variation sequencing.

- 289** Is amniotic fluid of women with uncomplicated term pregnancies free of bacteria?

Eva Maria Rehbinder; Karin C. Lødrup Carlsen; Anne Cathrine Staff; Inga Leena Angell; Linn Landrø; Katarina Hilde; Peter Gaustad; Knut Rudi
The amniotic fluid is sterile in uncomplicated pregnancies at term.

(continued)

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ORIGINAL RESEARCH (continued)**291** Postponing Early intrauterine Transfusion with Intravenous immunoglobulin Treatment; the PETIT study on severe hemolytic disease of the fetus and newborn

Carolien Zwiers; Johanna G. van der Bom; Inge L. van Kamp; Nan van Geloven; Enrico Lopriore; John Smoleniec; Roland Devlieger; Pauline E. Sim; Marie Anne Ledingham; Eleonor Tiblad; Kenneth J. Moise Jr; Karl-Philip Gloning; Mark D. Kilby; Timothy G. Overton; Ditte S. Jørgensen; Katrine V. Schou; Bettina Paek; Martin Walker; Emma Parry; Dick Oepkes; Masja de Haas

Intravenous immunoglobulin treatment seems associated with a delayed onset of fetal anemia in alloimmunized pregnancies and with less hydrops and postnatal exchange transfusions.

➤ Related editorial, page 223

294 Cervical ripening balloon with and without oxytocin in multiparas: a randomized controlled trial

Alison M. Bauer; Justin R. Lappen; Kimberly S. GeCSI; David N. Hackney
Simultaneous use of cervical ripening balloon and oxytocin for induction of labor in multiparas increases the frequency of delivery within 24 hours and reduces induction-to-delivery interval.

296 Neonatal outcomes of elective early-term births after demonstrated fetal lung maturity

Alan T. N. Tita; Kathleen A. Jablonski; Jennifer L. Bailit; William A. Grobman; Ronald J. Wapner; Uma M. Reddy; Michael W. Varner; John M. Thorp Jr; Kenneth J. Leveno; Steve N. Caritis; Jay D. Iams; George Saade; Yoram Sorokin; Dwight J. Rouse; Sean C. Blackwell; Jorge E. Tolosa; for the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network

Early-term birth after pulmonary maturity in the absence of indications for early delivery is associated with a higher risk of neonatal morbidity compared with full-term birth.

298 Preterm premature rupture of membranes at 22–25 weeks' gestation: perinatal and 2-year outcomes within a national population-based study (EPIPAGE-2)

Elsa Lorthe; Héloïse Torchin; Pierre Delorme; Pierre-Yves Ancel; Laetitia Marchand-Martin; Laurence Foix-L'Hélias; Valérie Benhammou; Catherine Gire; Claude d'Ercole; Norbert Winer; Loïc Sentilhes; Damien Subtil; François Goffinet; Gilles Kayem

Preterm premature rupture of membranes at 22–25 weeks is associated with high incidence of mortality and morbidity, with wide variations by gestational age at preterm premature rupture of membranes.

300 Clinical and metabolic outcomes in pregnant women at risk for gestational diabetes mellitus supplemented with myo-inositol: a secondary analysis from 3 RCTs

A. Santamaria; A. Alibrandi; A. Di Benedetto; B. Pintaudi; F. Corrado; F. Facchinetti; R. D'Anna

This study is a secondary analysis of 3 randomized, controlled trials to verify whether myo-inositol can reduce gestational diabetes mellitus rate and related complications.

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ORIGINAL RESEARCH *(continued from page 10A)*

301 The efficacy of antenatal steroid therapy is dependent on the duration of low-concentration fetal exposure: evidence from a sheep model of pregnancy

Matthew W. Kemp; Masatoshi Saito; Haruo Usuda; Shimpei Watanabe; Shinichi Sato; Takushi Hanita; Yusaku Kumagai; Timothy J. Molloy; Michael Clarke; Peter J. Eddershaw; Gabrielle C. Musk; Augusto Schmidt; Demelza Ireland; Lucy Furfaro; Matthew S. Payne; John P. Newnham; Alan H. Jobe

In preterm lambs, high-peak drug exposures do not contribute to antenatal steroid efficacy; rather, the duration of low-concentration fetal plasma steroid exposure is key for preterm lung maturation.

EDUCATION

303 Changes in the burnout profile of chairs of academic departments of obstetrics and gynecology over the past 15 years

Steven G. Gabbe; Monica Hagan Vetter; Michelle C. Nguyen; Susan Moffatt-Bruce; Jeffrey M. Fowler

Low personal accomplishment, a key indicator of burnout, has increased dramatically in obstetrics and gynecology chairs in the past 15 years.

IMAGES IN GYNECOLOGY

305 Labial swelling; anterior perineal herniation of urinary bladder diverticulum

Insha Khan; Mohd Ilyas; Zubair Ahmad; Omair Ashraf Shah

An 80-year-old multipara presented with a gradually increasing swelling in the perineum.

RESEARCH LETTERS

307 Injury-related maternal mortality

Joel G. Ray; Jonathan Zipursky; Alison L. Park

308 Human term amniotic fluid: a novel source of stem cells for regenerative medicine

Cara D. Dolin; Michael K. Chan; Ross S. Basch; Bruce K. Young

LETTERS TO THE EDITORS

310 Pregnancy after bariatric surgery: risks and benefits

Amihai Rottenstreich; Uriel Elchalal; Ram Elazary

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Wilson Kwong; George Tomlinson; Denice S. Feig

311 Apparently conflicting meta-analyses on prophylactic negative pressure wound therapy after cesarean delivery

Ana Barbosa; Paula Pinto; Nuno Lunet

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312 Magnetic resonance imaging for diagnosis of placenta accreta spectrum disorders: still useful for real-world practice
Shigeki Matsubara; Hironori Takahashi; Yuji Takei

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314 Did the maternal pulse mask the fetal heart rate of acidemic infants with no explanatory features?

Daniel J. Kiely

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Steven Leigh Clark; Emily F. Hamilton; Thomas J. Garite

CORRECTIONS

302 April 2008 (vol. 198, no. 4, page 477.e6)

Corrected images are provided for part of a panel in a figure in an original research article published in April 2008.

304 February 2018 (vol. 218, no. 2, page 254)

Acknowledgments are provided for an original research article published in February 2018.

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