Vanquishing multiple pregnancy in in vitro fertilization in the United States—a 25-year endeavor

Quinton S. Katler; Jennifer F. Kawkass; Bradley S. Hurst; Amy E. Sparks; David H. McCulloh; Ethan Wantman; James P. Toner

Historically high rates of multiple pregnancy in in vitro fertilization have been reduced to one-fifth of previous levels by a series of technical and clinical actions.

COVID-19 vaccination in pregnancy

Erkan Kalafat; Paul Heath; Smriti Prasad; Pat O'Brien; Asma Khalil

COVID-19 vaccination reduces the COVID-related increase in maternal or fetal morbidity. Ensuring pregnant people have unrestricted access to COVID-19 vaccination should be a priority in every country around the globe.

Telomeres, oxidative stress, and timing for spontaneous term and preterm labor

Mark Phillippe

This review discusses the feasibility of a telomere-based gestational clock, its disturbance by oxidative stress, and possible new approaches to prevent or reduce spontaneous preterm birth.

Comparative efficacy and safety of pharmacologic interventions to prevent mother-to-child transmission of hepatitis B virus: a systematic review and network meta-analysis

Ha T. Nguyen; Montarat Thavorncharoensap; Toi L. Phung; Thunyarat Anothaisintawee; Usa Chaikledkaew; Abhasnee Sobhonslidsuk; Pattarawalai Talungchit; Nathorn Chaiyakunpruk; John Attia; Gareth J. McKay; Ammarin Thakkinstian

For HBsAg(+)lHBeAg(+) mothers, maternal tenofovir disoproxil fumarate with postnatal immunization is the most effective intervention to prevent vertical transmission of HBV.

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Systematic Reviews (continued)

173 Timing of birth and adverse pregnancy outcomes in cases of prenatally diagnosed vasa previa: a systematic review and meta-analysis
Samantha J. Mitchell; Georgia Ngo; Kimberly A. Maurel; Junichi Hasegawa; Tatsuya Arakaki; Yaakov Melcer; Ron Maymon; Françoise Vendittelli; Alirea A. Shamshirsaz; Hadi Erfani; Scott A. Shainker; Antonio F. Saad; Marjorie C. Treadwell; Ashley S. Roman; Joanne L. Stone; Daniel L. Rolnik
This systematic review examines the risks of prematurity and of pregnancy prolongation in prenatally diagnosed vasa previa across deliveries at various gestational ages.

182 The incidence of wound complications following primary repair of obstetric anal sphincter injury: a systematic review and meta-analysis
Nicola Adanna Okeahialam; Ka Woon Wong; Ranee Thakar; Abdul H. Sultan
The incidences of wound infection and wound dehiscence after primary repair of obstetrical anal sphincter injury were 4% and 7%, respectively.

192 Risk factors for primary pelvic organ prolapse and prolapse recurrence: an updated systematic review and meta-analysis
Sascha F. M. Schulten; Marieke J. Claas-Quax; Mirjam Weemhoff; Hugo W. van Eijndhoven; Sanne A. van Leijsen; Tineke F. Vergeldt; Joanna IntHout; Kirsten B. Kluivers
This meta-analysis identifies obstetrical, lifestyle, unmodifiable, surgical, and pelvic floor factors that put individuals at risk or are protective for primary prolapse and prolapse recurrence.

209 First-trimester uterine rupture: a case report and systematic review of the literature
Makenzie Perdue; Laura Felder; Vincenzo Berghella
First-trimester uterine rupture was associated with previous uterine surgery and typically involved surgical management.

218 Planned delivery or expectant management in preeclampsia: an individual participant data meta-analysis
Alice Beardmore-Gray; Paul T. Seed; Jessica Flemingier; Eva Zwertbroek; Thomas Bernardes; Ben W. Mol; Cheryl Battersby; Corine Koopmans; Kim Broekhuijsen; Kim Boers; Michelle Y. Owens; Jim Thornton; Marcus Green; Andrew H. Shennan; Henk Groen; Lucy C. Chappell
Planned delivery from 34 weeks gestation onward in women with preeclampsia reduces adverse maternal outcomes with differing risks and benefits for the infant.

Clinical Opinion

231 Accurate identification of cohort study designs in perinatal research: a practical guide
Jonathan M. Snowden; Mark A. Klebanoff
Epidemiologic study designs are frequently mischaracterized in perinatal research because of misunderstanding the temporality of data collection; new subcategories have been proposed to aid accurate identification.
CLINICAL OPINION (continued)

Integration of health systems science and women’s healthcare
Christopher M. Morosky; Susan M. Cox; LaTasha B. Craig; Elise N. Everett; David A. Forstein; Scott C. Graziano; Brittany S. Hampton; Laura Hopkins; Shireen Madani Sims; Margaret L. Mckenzie; Celeste Royce; Helen Kang Morgan; On behalf of the Undergraduate Medical Education Committee (Association of Professors of Gynecology and Obstetrics)

Women’s healthcare subject matter presents ideal topics for the early introduction of health systems science into medical student education.

ORIGINAL RESEARCH

More than treatment refusal: a National Cancer Database analysis of adjuvant treatment refusal and racial survival disparities among women with endometrial cancer
David A. Barrington; Jennifer A. Sinnott; Danaye Nixon; Tasleem J. Padamsee; David E. Cohn; Kemi M. Doll; Macarius M. Donneyong; Ashley S. Felix

Black women with endometrial cancer are more likely than White women to refuse adjuvant chemotherapy; however, this explains only a small portion of the total Black-White survival disparity.

Women’s and men’s intake of omega-3 fatty acids and their food sources and assisted reproductive technology outcomes
Albert Salas-Huetos; Mariel Arvizu; Lidia Mínguez-Alarcón; Makiko Mitsunami; Jordi Ribas-Maynou; Marc Yeste; Jennifer B. Ford; Irene Souter; Jorge E. Chavarro; On behalf of the EARTH Study Team

Women’s consumption of omega-3 fatty acids and omega-3-rich foods may improve the probability of live birth in assisted reproductive technologies by decreasing the risk of pregnancy loss.

Endometriosis promotes atherosclerosis in a murine model
Ramanaiah Mamillapalli; Nikoletta Toffoloni; Shutaro Habata; Huang Qunhua; Rula Attwani; Nina Stachenfeld; Hugh S. Taylor

Endometriosis-induced inflammation and the development of atherosclerosis in a mouse model suggested a causal relationship between endometriosis and cardiovascular disease.

The Paget Trial: topical 5% imiquimod cream for noninvasive vulvar Paget disease
Michelle van der Linden; Colette L. van Hees; Marc van Beurden; Johan Bulten; Eleonora B. van Dorst; Martha D. Esajas; Kim A. Meeuwis; Dorry Boll; Mariëtte I. van Poelgeest; Joanne A. de Hullu

Topical 5% imiquimod cream should be considered as a treatment alternative for noninvasive vulvar Paget disease.

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ORIGINAL RESEARCH (continued)

252 Risk factors for pelvic organ prolapse recurrence after sacrospinous hysteropexy or vaginal hysterectomy with uterosacral ligament suspension

Sascha F. Schulten; Renée J. Detollenaere; Joanna IntHout; Kirsten B. Kluivers; Hugo W. Van Eijndhoven

Risk factors for pelvic organ prolapse recurrence 5 years after native tissue vaginal prolapse surgery are body mass index, Pelvic Organ Prolapse Quantification point Ba, smoking, and vaginal hysterectomy.

255 Substantial variability in ovarian conservation at hysterectomy for endometrial hyperplasia

Koji Matsuo; Caroline J. Violette; Rachel S. Mandelbaum; Chelsey A. Harris; Amin Tavakoli; Maximilian Klar; Donna Shoupe; Lynda D. Roman

Decrease in ovarian conservation at endometrial hyperplasia surgery occurred at approximately 45 years of age; there was a substantial variability for ovarian conservation per patient demographic characteristics.

257 Racial and ethnic differences in the adoption of opportunistic salpingectomy for ovarian cancer prevention in the United States

Pritesh S. Karia; Yongmei Huang; Parisa Tehranifar; Kala Visvanathan; Jason D. Wright; Jeanine M. Genkinger

Non-Hispanic Black, Hispanic, and non-Hispanic other race women were less likely to undergo opportunistic salpingectomy for ovarian cancer prevention than non-Hispanic White women.

OBSTETRICS

259 Cell-free DNA screening for trisomies 21, 18, and 13 in pregnancies at low and high risk for aneuploidy with genetic confirmation

Pe’er Dar; Bo Jacobsson; Cora MacPherson; Melissa Egbert; Fergal Malone; Ronald J. Wapner; Ashley S. Roman; Asma Khalil; Revital Faro; Rajevei Madankumar; Lance Edwards; Sina Haeri; Robert Silver; Nidhi Vohra; Jon Hyett; Garfield Clunie; Zachary Demko; Kimberly Martin; Matthew Rabinowitz; Karen Flood; Ylva Carlsson; Georgios Doulaveris; Ciara Malone; Maria Hallingstrom; Susan Klugman; Rebecca Clifton; Charly Kao; Hakon Hakonarson; Mary E. Norton

Cell-free DNA noninvasive prenatal screening for trisomies 21, 18, and 13 has high sensitivity and specificity and a positive predictive value of 74% in women at low risk for aneuploidy.

263 Prenatal exposure to teratogenic medications in the era of Risk Evaluation and Mitigation Strategies

Amir Sarayani; Yasser Albogami; Thuy Nhu Thai; Nicole E. Smolinski; Preya Patel; Yanning Wang; Sabina Nduaguba; Sonja A. Rasmussen; Almut G. Winterstein

Despite the FDA’s implementation of Risk Evaluation and Mitigation Strategies, substantial prenatal exposure to teratogenic drugs persists in the United States.
265 The association of fetal acidemia with adverse neonatal outcomes at time of scheduled cesarean delivery
Katherine H. Bligard; Tamara Cameo; Kaitlin N. McCallum; Alexandra Rubin; Rebecca R. Rimsza; Alison G. Cahill; Arvind Palanisamy; Anthony O. Odibo; Nandini Raghuraman
A brief period of mild fetal acidemia at the time of a scheduled cesarean delivery is associated with adverse neonatal outcomes.

267 On the management of maternal pushing during the second stage of labor: a biomechanical study considering passive tissue fatigue damage accumulation
Maria C. P. Vila Pouca; João P. S. Ferreira; Marco P. L. Parente; Renato M. Natal Jorge; James A. Ashton-Miller
Computer simulations predicted that 3 spontaneous 5-second pushes per uterine contraction reduced the accumulation of microdamage and concomitant risk of levator muscle injury.

269 A double-blinded randomized controlled trial on the effects of increased intravenous hydration in nulliparas undergoing induction of labor
Jennifer Y. Duffy; Erica Wu; Alex Fong; Thomas J. Garite; Vineet K. Shrivastava
Increased intravenous fluids are not associated with a shorter time to delivery in nulliparous patients undergoing induction of labor.

271 Arabin pessary to prevent adverse perinatal outcomes in twin pregnancies with a short cervix: a multicenter randomized controlled trial (PESSARONE)
Marion Groussoles; Norbert Winer; Loïc Sentilhes; Florence Biquart; Mona Massoud; Alexandre J. Vivanti; Hanane Bouchghoul; Patrick Rozenberg; Pascale Olivier; Raoul Desbriere; Celine Chauleur; Franck Perrotin; Frederic Coatleven; Florent Fuchs; Florence Bretelle; Vassilis Tsatsaris; Laurent J. Salomon; Nicolas Sananes; Gilles Kayem; Veronique Houflin-Debarge; Thomas Schmitz; Guillaume Benoist; Catherine Arnaud; Virginie Ehlinger; Christophe Vayssière; On behalf of the Groupe de Recherche en Gynecologie Obstétrique
In this randomized controlled trial, pessary placement in twin pregnancies with a short cervix (<35 mm) at 16 to 23 weeks' gestation did not significantly decrease adverse neonatal outcome rates.

273 Second trimester short cervix is associated with decreased abundance of cervicovaginal lipid metabolites
Kristin D. Gerson; Nancy Yang; Lauren Anton; Maayan Levy; Jacques Ravel; Michał A. Elovitz; Heather H. Burris
Decreased abundance of cervicovaginal lipid metabolites, particularly sphingolipids, is associated with second trimester short cervix—a known risk factor for spontaneous preterm birth.
275 In vivo Raman spectroscopy monitors cervical change during labor
Laura E. Masson; Christine M. O’Brien; Rekha Gautam; Giju Thomas; James C. Slaughter; Mack Goldberg; Kelly Bennett; Jennifer Herington; Jeff Reese; Emad Elsamadicy; J. Michael Newton; Anita Mahadevan-Jansen
This study demonstrated Raman spectroscopy for in vivo tracking of cervical biochemical changes during labor, including fundamental changes in collagen, blood content, lipid.

277 Differences and similarities in endothelial and angiogenic profiles of preeclampsia and COVID-19 in pregnancy
Marta Palomo; Lina Youssef; Alex Ramos; Sergi Torramade-Moix; Ana Belen Moreno-Castaño; Julia Martinez-Sanchez; Laura Bonastre; Marc Pino; Pilar Gomez-Ramirez; Lidia Martin; Estefania Garcia Mateos; Pablo Sanchez; Sara Fernandez; Francesca Crovetto; Ginés Escolar; Enric Carreras; Pedro Castro; Eduard Gratacos; Fátima Crispi; Maribel Díaz-Ricart
Preeclampsia and COVID-19 exhibit a differential profile of circulating biomarkers with similar end-stage in vitro-induced endothelial dysfunction.

280 The impact of the Antenatal Late Preterm Steroids trial on the administration of antenatal corticosteroids
Elise O. R. Kearsey; Jasper V. Been; Vivienne L. Souter; Sarah J. Stock
An interrupted time series analysis evaluating the impact of the Antenatal Late Preterm Steroids trial on antenatal corticosteroid administration in the United States.

282 Brainstem and cerebellar volumes at magnetic resonance imaging are smaller in fetuses with congenital heart disease
Gregor O. Dovjak; Georg Hausmaninger; Tim Zalewski; Victor Schmidbauer; Michael Weber; Christof Worda; Elisabeth Seidl-Mlczoch; Vanessa Berger-Kulemann; Daniela Prayer; Gregor J. Kasprian; Barbara Ulm
Fetuses with congenital heart disease have smaller brainstem and cerebellar volumes than controls at fetal magnetic resonance imaging from 20 to 37 week's gestation.

285 Doppler velocimetry discordance between paired umbilical artery vessels and clinical implications in fetal growth restriction
Jon G. Steller; Camille Driver; Diane Gumina; Emma Peek; Teresa Harper; John C. Hobbs; Henry L. Galan
Sampling 1 or both umbilical artery Dopplers in the setting of fetal growth restriction identifies discordance between the findings and may alter clinical decision-making, including frequency of surveillance and timing of delivery.

287 Chorioamnionitis and risk of long-term neurodevelopmental disorders in offspring: a population-based cohort study
Eleni Tsamantioti; Sarka Lisonkova; Giulia Muraca; Anne K. Örtqvist; Neda Razaz
In utero exposure to chorioamnionitis may constitute an independent risk factor for cerebral palsy, autism, attention deficit hyperactivity disorder, and intellectual disability in the offspring.
Latent class analysis of placental histopathology: a novel approach to classifying early and late preterm births

Alexander J. Layden; Marnie Bertolet; W. Tony Parks; James M. Roberts; Jennifer J. Adibi; Janet M. Catov

Early and late preterm births were grouped into 4 placental phenotypes by latent class analysis. Obesity increased risk of malperfusion in early preterm births.

Cardiac magnetic resonance imaging in preeclampsia complicated by pulmonary edema shows myocardial edema with normal left ventricular systolic function

Lloyd H. Joubert; Anton F. Doubell; Eduard J. Langenegger; Anna S. Herrey; Lina Bergman; Karl Bergman; Catherine Cluver; Christelle Ackermann; Philippus G. Herbst

Cardiac magnetic resonance imaging showed normal systolic function with myocardial edema in women with preeclampsia complicated by pulmonary edema.

Using ultrasound and angiogenic markers from a 19- to 23-week assessment to inform the subsequent diagnosis of preeclampsia

Jonathan Lai; Argyro Syngelaki; Kypros H. Nicolaides; Peter von Dadelszen; Laura A. Magee

Individualized treatment of preterm premature rupture of membranes to prolong the latency period, reduce the rate of preterm birth, and improve neonatal outcomes

Stefania Ronzoni; Teresa Cobo; Rohan D’Souza; Elizabeth Asztalos; Susan E. O’Rinn; Xingshan Cao; Ana Herranz; Nir Melamed; Silvia Ferrero; Jon Barrett; Victoria Aldecoa; Montse Palacio

Individualized management of preterm premature rupture of membranes was associated with prolonged latency, fewer preterm births, and reduced neonatal admissions, without increasing infectious morbidity and short-term adverse pregnancy outcomes.

Cerebral biomarkers in neurologic complications of preeclampsia

Lina Bergman; Roxanne Hastie; Emma Bokström-Rees; Henrik Zetterberg; Kaj Blennow; Sonja Schell; Henrik Imberg; Eduard Langenegger; Ashley Moodley; Susan Walker; Stephen Tong; Catherine Cluver

Plasma concentrations of cerebral biomarkers were increased in preeclampsia with the highest concentrations in women with neurologic complications and hemolysis, elevated liver enzymes, and low platelet count.

Altmetric and bibliometric analysis of obstetrics and gynecology research: influence of public engagement on citation potential

Sonal Grover; Adam D. Elwood; Jharna M. Patel; Cande V. Ananth; Justin S. Brandt

In this cross-sectional study of obstetrics and gynecology journals (2004—2019), Altmetric Attention Scores, a marker of engagement with research on social media and public platforms, had weak short-term correlation with citation rates.
MEETING PAPERS

Selected papers from the Society of Gynecologic Surgeons Annual Meeting 2022

302 Intrarectal diazepam following pelvic reconstructive surgery: a double-blind, randomized placebo-controlled trial
Emily R. Aldrich; Tiffanie Y. Tam; Leah M. Saylor; Catrina C. Crisp; Jennifer Yeung; Rachel N. Pauls
Intrarectal administration of diazepam did not improve short-term pain scores in women undergoing total vaginal hysterectomy with native tissue prolapse repairs.

304 Development and validation of a simulation model for laparoscopic myomectomy
Rebecca J. Schneyer; Andrea L. Molina; Isabel C. Green; Stacey A. Scheib; Kristin C. Mara; Matthew T. Siedhoff; Kelly N. Wright; Mireille D. Truong
We describe a novel, low-cost, low-fidelity simulation model for laparoscopic myomectomy and provide evidence supporting the model’s validity as a training tool.

306 Long-term reoperation risk after apical prolapse repair in female pelvic reconstructive surgery
Nemi M. Shah; Alexander A. Berger; Zimin Zhuang; Jasmine Tan-Kim; Shawn A. Menefee
Although reoperation after apical suspension was infrequent, colpocleisis offered the most durable prolapse repair with the lowest all-cause reoperation and total retreatment rates.

308 Oral phenazopyridine vs intravesical lidocaine for bladder onabotulinumtoxinA analgesia: a randomized controlled trial
Lauren E. Stewart; Moiuri Siddique; Kristin M. Jacobs; Christina A. Raker; Vivian W. Sung
Women with idiopathic overactive bladder undergoing intradetrusor injection of onabotulinumtoxinA had similar periprocedural pain scores whether randomized to oral phenazopyridine or intravesical lidocaine.

311 Salpingo-oophorectomy or surveillance for ovarian endometrioma in asymptomatic premenopausal women: a cost-effectiveness analysis
Megan S. Orlando; Lauren A. Cadish; Jonathan P. Shepherd; Tommaso Falcone; Olivia H. Chang; Rosanne M. Kho
Unilateral salpingo-oophorectomy is more cost-effective than surveillance for the management of incidental endometrioma in premenopausal patients not desiring fertility.

313 A randomized trial of standard vs restricted opioid prescribing following midurethral sling
Jaime B. Long; Brianne M. Morgan; Sarah S. Boyd; Matthew F. Davies; Allen R. Kunselman; Christy M. Stetter; Michael H. Andreae
Restrictive opioid prescribing after midurethral sling was noninferior to standard opioid prescribing in achieving comparable pain control and satisfaction and resulted in fewer unused opioids.
315 The association between surgeon subspecialty training and postoperative outcomes following surgery for pelvic organ prolapse
Kristina J. Warner; Oluwateniola Brown; C. Emi Bretschneider
Prolapse surgery performed by a urogynecologist is associated with lower odds of any 30-day postoperative complication than surgery performed by an obstetrician-gynecologist.

317 Postoperative complications and pelvic organ prolapse recurrence following combined pelvic organ prolapse and rectal prolapse surgery compared with pelvic organ prolapse only surgery
Shannon L. Wallace; Youngwu Kim; Erica Lai; Shailja Mehta; Bertille Gaigbe-Togbe; Chiyuan Amy Zhang; Emily C. Von Bargen; Eric R. Sokol
Patients undergoing combined pelvic organ prolapse and rectal prolapse surgery have a similar risk of <30-day complications and recurrent pelvic organ prolapse compared with patients undergoing pelvic organ prolapse-only surgery.

320 Predictors of same-day discharge following benign minimally invasive hysterectomy
Christopher X. Hong; Neil S. Kamdar; Daniel M. Morgan
Intraoperative, surgeon-level, and hospital-level factors have a greater ability to predict same-day discharge than patient characteristics for patients undergoing benign, minimally invasive hysterectomy.

322 Return to work following pelvic reconstructive surgery: secondary analysis of Operations and Pelvic Muscle Training in the Management of Apical Support Loss trial
Rui Wang; Elisabeth C. Sappenfield
Part-time work and no private insurance were predictors of earlier return to work.

Images in Obstetrics or Gynecology

324 An intracardiac thrombus as a cause of cardiac arrest during a cesarean delivery
Yi-Chen Chuang; Fu-Shiang Peng; Fung-Chao Tu; Chia-Ying Chang; Tzu-Yu Lin

327 Nausea and vomiting during pregnancy leading to nystagmus, ataxia, and maternal brain injury
Deanna C. McCullough; Jordan A. McKinney; Jeet Patel; Kelly Best; Jibri M. Wiggins; Luis Sanchez-Ramos

329 Amniotic fluid “sludge” due to intra-amniotic infection/inflammation with Candida albicans
Kelly A. Best; Jordan McKinney; Ahmad Alkhasawneh; Deanna C. McCullough; Luis Sanchez-Ramos
This case of an intrauterine pregnancy complicated by intra-amniotic fluid “sludge” secondary to Candida albicans highlights the importance of identifying the microorganism related to intra-amniotic infections to guide antimicrobial therapy.
Fetal echocardiographic features of absent pulmonary valve syndrome
Gerardo Piacentini; Gioia Mastromoro; Valerio Romano; Riccardo Riccardi; Luigi Orfeo

Laparoscopic abdominal cerclage during pregnancy: a simplified approach
Baihui Zhao; Tian Dong; Yuan Chen; Mengmeng Yang; Qiong Luo
Laparoscopic transabdominal cerclage of the uterine cervix during the second trimester is very challenging, despite its favorable pregnancy outcomes. In this study we have described a simplified approach for women with refractory cervical insufficiency who had failed cerclage before pregnancy.

Cerclage placement in twin pregnancies with short or dilated cervix does not prevent preterm birth: a fragility index assessment
Luis Sanchez-Ramos; Lifeng Lin

Modifiable risk factors for ectopic pregnancy: a Mendelian randomization study
Tormod Rogne; Zeyan Liew; Álvaro Hernández; Ben Michael Brumpton; Maria Christine Magnus

Health-related socioeconomic risk screening in outpatient obstetrics and gynecology practice
El A. Pinkerton; Milkie Vu; Stacy Tessler Lindau

Delivery hospitalizations among incarcerated women
Teresa C. Logue; Timothy Wen; Anna Staniczenko; Yongmei Huang; Mary E. D’Alton; Alexander M. Friedman

Characterization of bacterial composition of surgical site infections after gynecologic surgery
Elise S. Cowley; Laura Jacques; Anna M. Powell; Ahmed AL-Niaimi; Aurora Pop-Vicas

Mechanism of neonatal hypoglycemia after late preterm steroids: are fetal metabolic effects responsible?
Ashley N. Battarbee; Grecio J. Sandoval; Cynthia Gyamfi-Bannerman; Sean C. Blackwell; Alan T. N. Tita; Uma M. Reddy; Lucky Jain

Are increased fetal movements during pregnancy a predictor of neonatal adverse outcomes?
Gal Cohen; Rona Bogin; Hanoch Schreiber; Gil Shechter-Maor; Ido Cohen; Tal Biron-Shental; Yair Daykan
RESEARCH LETTERS (continued)

351 Adverse childhood experiences and health-related quality of life among women undergoing hysterectomy for uterine leiomyoma
Ami R. Zota; MyDzung T. Chu; Cherie Q. Marfori; Nadia J. Khati; Ayman Al-Hendy; Tamara Taggart

353 First-trimester prediction of uterine rupture in cesarean scar pregnancy
Giuseppe Calì; Gloria Calagna; Salvatore Polito; Francesco Labate; Asma Khalil; Gaspare Cucinella; Francesco D’Antonio

LETTERS TO THE EDITORS

356 The 17-alpha hydroxyprogesterone chronicle
Jack Fitzsimmons; Wadia Mulla
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David B. Nelson; Donald D. McIntire

357 Race as a social construct should not be cited as a risk factor for postpartum preeclampsia
Camille A. Clare
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Alisse Hauspurg; Arun Jeyabalan

359 Meats as part of a healthy diet of nutrient-dense foods during pregnancy and lactation
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362 Maternal vascular malperfusion of the placental bed is a common pathophysiological process that underlies fetal death, early fetal growth restriction, and related hypertensive disorders
Lionel Carbillon; Amélie Benbara; Marion Fermaut
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364 Planned cesarean hysterectomy for placenta accreta spectrum: safe with the right team
Ally Murji; Nicholas Papalia; Sebastian R. Hobson
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Loïc Sentilhes; Catherine Deneux-Tharaux; Gilles Kayem

366 Is the prominent decrease in anti-Müllerian hormone after endometrioma resection truly of concern?
Stephen C. Collins
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Johnny S. Younis; Ido Izhaki; Scott M. Nelson

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368 Assessing analgesic efficacy of pudendal block with liposomal bupivacaine after posterior colporrhaphy
Fu-Shan Xue; Nong He; Cheng-Wen Li
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Katherine L. Dengler; Daniel I. Brooks; Daniel D. Gruber

370 COVID-19 vaccination during pregnancy: coverage and safety, a comment
Dorothy Davies; Anna McDougall; Wai Yoong

371 Elective induction in low-risk nulliparous women at 39 weeks’ gestation: is it worse changing obstetrical practices?
Manon Vouga; David Desseauve
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Laura C. Gilroy; Huda B. Al-Kouatly; Rodney A. Mclaren Jr

372 Comments on association of umbilical blood gas values with mortality and severe neurological injury in preterm neonates <29 weeks’ gestation: a national cohort study
Rui-zhuo Li; Wen-jing Gao; Hui-min Xia
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Prakesh S. Shah; Jie Yang

SOCIETY FOR MATERNAL-FETAL MEDICINE

B2 Society for Maternal-Fetal Medicine Special Statement: Cognitive bias and medical error in obstetrics—challenges and opportunities
Society for Maternal-Fetal Medicine (SMFM); Fouad Atallah; Rebecca F. Hamm; Christina M. Davidson; C. Andrew Combs; Patient Safety and Quality Committee
This statement reviews a framework of cognitive bias in obstetrics and introduces selected debiasing tools and strategies.

B11 Society for Maternal-Fetal Medicine Special Statement: Best-practice recommendations for ultrasound network connectivity
Society for Maternal-Fetal Medicine (SMFM); Thomas Lee; Joanne Stone; Vanita Jain; Noa Avtalion; Jacqueline Wickersham; Joey Haddock; Mark Scott; Carol Grone; Diane Hibbs; Kelly S. Gibson; Helen Feltovich; Brian Iriye; David Lagrew; Clinical Informatics Committee
This statement provides a basic understanding of ultrasound network architecture and capabilities and best-practice recommendations for electronic health record order design, obstetrical clinical data standards, and billing and coding practices.

B24 Society for Maternal-Fetal Medicine Statement: Antihypertensive therapy for mild chronic hypertension in pregnancy—The Chronic Hypertension and Pregnancy trial
Society for Maternal-Fetal Medicine; Publications Committee
This statement reviews the results of the Chronic Hypertension and Pregnancy (CHAP) trial and provides guidance for the implementation of the study findings.
Society for Maternal-Fetal Medicine Consult Series #61: Anticoagulation in pregnant patients with cardiac disease

Society for Maternal-Fetal Medicine (SMFM); Luis D. Pacheco; George Saade; Vineet Shrivastava; Raj Shree; Uri Elkayam; Publications Committee

This Consult discusses anticoagulation in pregnant patients with cardiac disease and provides recommendations based on the available evidence.

Society for Maternal-Fetal Medicine Consult Series #62: Best practices in equitable care delivery—Addressing systemic racism and other social determinants of health as causes of obstetrical disparities

Society for Maternal-Fetal Medicine (SMFM); Mara B. Greenberg; Manisha Gandhi; Christina Davidson; Ebony B. Carter; Publications Committee

This Consult discusses systemic racism and other social determinants of health as causes of obstetrical disparities and provides best practice recommendations.