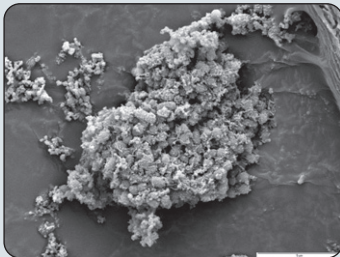


ON THE COVER



This scanning electron micrograph of a fragment of “amniotic fluid sludge” shows the bacterial cells and exopolymeric matrix material that constitute a biofilm. In the center of the image, cocci are resolved among a fibrous mass of matrix material. **Page 135.e2.**

Image courtesy of Roberto Romero, MD, and J. William Costerton, PhD.

The image above and others appear with the full-length article at www.AJOG.org.

The *American Journal of Obstetrics & Gynecology* (ISSN 0002-9378) is published monthly (12 issues per year) by Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. Business office: 1600 John F. Kennedy Blvd., Suite 1800, Philadelphia, PA 19103-2899. Editorial office: 360 Park Avenue South, New York, NY 10010-1710. Customer Service Office: 6277 Sea Harbor Drive, Orlando, FL 32887-4800. Periodicals postage paid at Orlando, FL 32860, and additional mailing offices. POSTMASTER: Send address changes to the *American Journal of Obstetrics & Gynecology*,



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JANUARY 2008 ■ Volume 198, Number 1

EDITORIALS

1 Twenty percent of very preterm neonates (23-32 weeks of gestation) are born with bacteremia caused by genital *Mycoplasmas*

Roberto Romero; Thomas J. Garite

➤ See related article, page 43

4 Pioglitazone and metformin for increased small low-density lipoprotein in polycystic ovary syndrome: Counterpoint

Robert A. Wild

➤ See related article, page 28

REVIEWS

OBSTETRICS

7 Maternal infection and risk of preeclampsia: Systematic review and metaanalysis

Agustín Conde-Agudelo; José Villar; Marshall Lindheimer

23 Perspectives on obesity, pregnancy and birth outcomes in the United States: The scope of the problem

E. Albert Reece

As the nation's fastest growing epidemic, obesity is having devastating effects on multiple fronts: it exacerbates existing illnesses, increases the risk of developing others, and poses a significant health threat for generations to come.

(continued on page 6A)



The article summaries that appear in the Journal are abbreviated versions of Research and Clinical Opinion articles published in full on the Journal's website at www.AJOG.org. While the great majority of these summaries are written by Journal staff and approved by the bylined authors and Journal editors, some summaries are written by the original authors and prepared for publication by Journal staff.

GLOSSARY OF SYMBOLS

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Articles selected by the editors for their excellence in covering topics of particular timeliness or with a high degree of interest to the specialty

Editors' Commentary



A brief discussion of the value and significance of an Editors' Choice article

Journal Club



Research article analyzed by a panel of experts for this issue's Journal Club

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Article appears only on the Journal website, www.AJOG.org

Articles in full



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CLINICAL OPINION

GENERAL GYNECOLOGY

28 How should we manage atherogenic dyslipidemia in women with polycystic ovary syndrome?

Manfredi Rizzo; Kaspar Berneis; Enrico Carmina; Giovam Battista Rini

Insulin-sensitizing medications favorably alter each component of atherogenic lipoprotein phenotype of dyslipidemia and combined therapy with these agents remains an option; in particular, the combination pioglitazone plus metformin seems to be particularly beneficial.

➤ See related editorial, page 4

RESEARCH

GENERAL GYNECOLOGY

30 Do short-term markers of treatment efficacy predict long-term sequelae of pelvic inflammatory disease?



Gail M. Trautmann; Kevin E. Kip; Holly E. Richter; David E. Soper;

Jeffrey F. Peipert; Deborah B. Nelson; Wayne Trout;

Dianne Schubeck; Debra C. Bass; Roberta B. Ness

Tenderness at 5 or 30 days and microbiologic cure postpelvic inflammatory disease treatment did not accurately predict long-term sequelae, including chronic pelvic pain, fertility, and recurrence.

➤ See Journal Club, page 143

32 Cervicovaginal colposcopic lesions associated with 5 nonoxynol-9 vaginal spermicide formulations

Bryna Harwood; Leslie A. Meyn; Susan A. Ballagh; Elizabeth G. Raymond;

David F. Archer; Mitchell D. Creinin

Usual use of vaginal spermicides containing nonoxynol-9 is not associated with a higher prevalence of cervicovaginal epithelial or blood vessel disruption than use of condoms.

34 Inpatient hysterectomy surveillance in the United States, 2000-2004

Maura K. Whiteman; Susan D. Hillis; Denise J. Jamieson; Brian Morrow;

Michelle N. Podgornik; Kate M. Brett; Polly A. Marchbanks

There are slight downward trends in the United States rate for inpatient hysterectomy, the proportion of hysterectomies performed for uterine leiomyoma, and concomitant bilateral oophorectomy.

37 Lycopene and other carotenoid intake in relation to risk of uterine leiomyomata

Kathryn L. Terry; Stacey A. Missmer; Susan E. Hankinson;

Walter C. Willett; Immaculata De Vivo

Overall, we observed no association between carotenoid intake and risk of diagnosed uterine leiomyoma in a cohort of premenopausal women.

39 Predictors of abortion provision among practicing obstetrician-gynecologists: A national survey

Jody Steinauer; Uta Landy; Heidi Filippone; Douglas Laube;

Philip D. Darney; Rebecca A. Jackson

Access to abortion training in residency is correlated with abortion provision, regardless of prior intention to provide abortions, and controlled for demographics and abortion beliefs.

(continued on page 9A)

RESEARCH (continued)

41 Multilevel local anesthetic nerve blockade for the treatment of vulvar vestibulitis syndrome

Andrea J. Rapkin; John S. McDonald; Melinda Morgan

Women with vulvar vestibulitis syndrome showed significant improvement in vestibular pain after a series of multilevel local anesthetic nerve block injections.

OBSTETRICS

43 The Alabama Preterm Birth Study: Umbilical cord blood *Ureaplasma urealyticum* and *Mycoplasma hominis* cultures in very preterm newborn infants

Robert L. Goldenberg; William W. Andrews; Alice R. Goepfert; Ona Faye-Petersen; Suzanne P. Cliver; Waldemar A. Carlo; John C. Hawthorne
Ureaplasma urealyticum and *Mycoplasma hominis* cord blood infections are far more common in spontaneous vs indicated preterm deliveries and are associated with acute placental inflammation, as well as neonatal systemic inflammatory response syndrome.

➤ See related editorial, page 1

45 Folic acid supplementation in early second trimester and the risk of preeclampsia

Shi Wu Wen; Xi-Kuan Chen; Marc Rodger; Ruth Rennicks White; Qiuying Yang; Graeme N. Smith; Ronald J. Sigal; Sherry L. Perkins; Mark C. Walker

Supplementation of multivitamins containing folic acid in the second trimester is associated with a reduced risk of developing preeclampsia.

47 Trends in intrapartum fetal death, 1979-2003

Colin A. Walsh; Moya B. McMenamin; Michael E. Foley; Sean F. Daly; Michael S. Robson; Michael P. Geary

There has been a significant fall in rates of intrapartum fetal death in the past 25 years, likely related to changes in the management of labor.

49 The relationship between intrapartum maternal fever and neonatal acidosis as risk factors for neonatal encephalopathy

Lawrence W. M. Impey; Catherine E. L. Greenwood; Rebecca S. Black; Peter S-Y. Yeh; Orla Sheil; Pat Doyle

Intrapartum acidosis and a maternal fever in labor are 2 serious risk factors for neonatal encephalopathy at term but appear to represent different causal pathways.

EDITORS' COMMENTARY: The paper by Impey et al adds to our evolving knowledge about the impact of maternal fever on risk of neonatal encephalopathy. In a large cohort of term infants, either maternal fever or umbilical cord acidosis significantly increased the rate of encephalopathy while combined maternal fever and umbilical cord acidosis further increased risk of encephalopathy. However, the interesting new finding is that these two factors impact the risk for encephalopathy independently, suggesting that they operate via different causal pathways.

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(Subspecialty Areas continued)

RESEARCH (continued)

51 The increasing racial disparity in infant mortality rates: Composition and contributors to recent US trends

Greg R. Alexander; Martha S. Wingate; Deren Bader; Michael D. Kogan

The increasing US racial disparity in infant mortality is largely influenced by changes in birthweight-gestational age-specific mortality, rather than the birthweight-gestational age distribution.

EDITORS' COMMENTARY: In this analysis of U.S. vital records linking live birth and infant death certificates, Alexander et al have demonstrated that the infant mortality rate (IMR) in this country has fallen approximately 45% from 1980-2000 despite an increase in low birth weight infants. Nevertheless, in 1995-2000, the overall IMR for African Americans was more than double that of whites, and this disparity is increasing. While preterm births are a major contributor to IMR, the authors note that increased deaths of African-American infants born at or beyond term now contribute to nearly 20% of the total racial disparity in IMR.

54 Pediatric outcome in Rhesus hemolytic disease treated with and without intrauterine transfusion

Inge P. De Boer; Eliane C. M. Zeestraten; Enrico Lopriore; Inge L. van Kamp; Humphrey H. H. Kanhai; Frans J. Walther

Infants with Rhesus hemolytic disease treated with intrauterine transfusions require less phototherapy and more top-up transfusions compared to infants treated without intrauterine transfusions.

56 Hyperemesis in pregnancy: An evaluation of treatment strategies with maternal and neonatal outcomes

Calla Holmgren; Kjersti M. Aagaard-Tillery; Robert M. Silver; T. Flint Porter; Michael Varner

After review of management for patients with hyperemesis gravidarum, we found that there were very serious maternal complications associated with the use of peripherally inserted central catheters lines.

58 Paternal and maternal birthweights and the risk of infant preterm birth

Mark A. Klebanoff

When the mother was small at birth, increasing paternal birthweight is associated with an increased risk of giving birth to a preterm infant.

60 Fetal lung volume after endoscopic tracheal occlusion in the prediction of postnatal outcome

Cleisson F. A. Peralta; Jacques C. Jani; Dominique Van Schoubroeck; Kypros H. Nicolaides; Jan A. Deprest

Fetal lung volume after endotracheal occlusion for diaphragmatic hernia provides useful prediction of subsequent survival.

62 A definition of selectivity in laser coagulation of chorionic plate anastomoses in twin-to-twin transfusion syndrome and its relationship to perinatal outcome

Julien J. Stirnemann; Bernard Nasr; Edwin Quarello; Lisa Ortqvist; Malek Nassar; Jean-Pierre Bernard; Yves Ville

On the basis of a quantitative definition, selectivity of laser coagulation improves survival in severe twin-to-twin transfusion syndrome.

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RESEARCH (continued)

64 Systemic fetal inflammation and reduced concentrations of macrophage migration inhibitory factor in tracheobronchial aspirate fluid of extremely premature infants

Wolfgang Thomas; Silvia Seidenspinner; Natalia Kawczyńska-Leda; Boris W. Kramer; Maria Chmielnicka-Kopaczyk; Alexander Marx; Marta Szymankiewicz; Christian P. Speer

Histologic funisitis is associated with lower concentrations of macrophage migration inhibitory factor in airways of extremely premature infants early in life, potentially contributing to adverse pulmonary outcome.

66 In utero tobacco exposure is associated with modified effects of maternal factors on fetal growth

Kjersti M. Aagaard-Tillery; T. Flint Porter; Robert H. Lane; Michael W. Varner; D. Yvette Lacoursiere

Self-identified maternal tobacco use increases the risk of a small-for-gestational-age infant at term across maternal body mass index strata.

69 The role of race in cesarean delivery rate case mix adjustment

Jennifer L. Bailit; Thomas E. Love

The addition of race and ethnicity to standard risk-adjustment models for primary cesarean deliveries does not improve performance.

71 Validity of a modified Pregnancy-Unique Quantification of Emesis and Nausea (PUQE) scoring index to assess severity of nausea and vomiting of pregnancy

Anaïs Lacasse; Evelyne Rey; Ema Ferreira; Caroline Morin; Anick Bérard

The modified Pregnancy-Unique Quantification of Emesis and Nausea (PUQE) scoring index appears to be a valid index for the assessment of global nausea and vomiting in pregnancy severity in the first trimester of pregnancy.

72 Ethnic heterogeneity in the longitudinal effects of placental vascular blood flow on birthweight

Vinod K. Misra; Calvin J. Hobel; Charles F. Sing

The influence of uterine artery and umbilical artery resistance indices on infant birthweight depends on the context defined by ethnicity and time of measurement.

75 Prenatal health care beyond the obstetrics service: Utilization and predictors of unscheduled care

Urania Magriples; Trace S. Kershaw; Sharon Schindler Rising; Zohar Massey; Jeannette R. Ickovics

Unscheduled care is common in obstetrics and is characterized by patients with excessive somatic concerns.

77 Amniotic fluid interleukin-6 increase is an indicator of spontaneous preterm birth in white but not in black Americans

Ramkumar Menon; M. Constanza Camargo; Poul Thorsen; Salvatore J. Lombardi; Stephen J. Fortunato

Increased amniotic fluid interleukin-6 is associated with preterm birth in whites but not blacks.

(continued)

RESEARCH (continued)**80 Prenatal prognosis in isolated congenital diaphragmatic hernia**

Valérie Datin-Dorriere; Sarah Rouzies; Pierre Taupin;
Elizabeth Walter-Nicolet; Alexandra Benachi;
Pascale Sonigo; Delphine Mitanchez

Factors obtained by ultrasound or magnetic resonance imaging in the prenatal course do not firmly predict the neonatal survival in isolated congenital diaphragmatic hernia.

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY**82 Baseline and stimulated serum inhibin levels as biomarkers of cisplatin-induced ovarian damage in female rats**

John Yeh; Beom Su Kim; Yuan Jing Liang; Jennifer Peresie

Serum inhibin A and B after pregnant mare serum gonadotropin ovarian challenge can be used as biomarkers to define ovarian damage in rats after exposure to cisplatin.

84 BMP15 mutations in XX gonadal dysgenesis and premature ovarian failure

Susanne Ledig; Albrecht Röpke; Gabriele Haeusler;
Bernd Hinney; Peter Wieacker

Segregation analysis is recommended for the interpretation of BMP15 mutations in a context of POF in order to delineate disease relevant mutations from polymorphisms.

ONCOLOGY**86 The use of preventive health services among elderly uterine cancer survivors**

A. Marshall McBean; Xinhua Yu; Beth A. Virnig

Mammography and colorectal cancer screening rates were higher among uterine cancer survivors than among women without cancer, but influenza vaccination and bone density testing were similar.

89 Adjuvant treatment and survival in obese women with endometrial cancer: An international collaborative study

Francesca Martra; Charles Kunos; Heidi Gibbons; Paolo Zola;
Luciano Galletto; Robert DeBernardo; Vivian von Gruenigen

Obesity was not a barrier to lymphadenectomy but did influence adjuvant pelvic radiation use.

92 Cervical cancer associated with pregnancy: Results of a multicenter retrospective Korean study (KGOG-1006)

Jong-Min Lee; Kwang-Beom Lee; Young-Tak Kim; Hee-Sug Ryu;
Young-Tae Kim; Chi-Heum Cho; Sung-Eun Namkoong;
Ki-Hun Lee; Ho-Sun Choi; Kyung-Tai Kim

Thorough evaluation is warranted before deciding whether to delay treatment until fetal maturity and pregnancy does not adversely affect the prognosis of cervical cancer.

UROGYNECOLOGY**94 Fate of collagen-based implants used in pelvic floor surgery: A 2-year follow-up study in a rabbit model**

Filip Claerhout; Godelieve Verbist; Eric Verbeke;
Maja Konstantinovic; Dirk De Ridder; Jan Deprest

In a rabbit model, Prolene provokes severe fibrosis, SIS becomes remodelled by 60d, and Pelvicol may get degraded after a half year.

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RESEARCH (continued)

BASIC SCIENCE: GYNECOLOGY

97 An adherent *Gardnerella vaginalis* biofilm persists on the vaginal epithelium after standard therapy with oral metronidazole

Alexander Swidsinski; Werner Mendling; Vera Loening-Baucke; Sonja Swidsinski; Yvonne Dörffel; Jürgen Scholze;

Herbert Lochs; Hans Verstraelen

A *Gardnerella vaginalis* biofilm is suppressed temporarily by metronidazole treatment in bacterial vaginosis but promptly recovers after treatment cessation.

99 MAGE-A and NY-ESO-1 expression in cervical cancer: Prognostic factors and effects of chemotherapy

Chiara Napoletano; Filippo Bellati; Elisabetta Tarquini; Federica Tomao; Federica Taurino; Giulio Spagnoli; Aurelia Rughetti; Ludovico Muzii; Marianna Nuti; Pierluigi Benedetti Panici

MAGE-A and NY-ESO-1 are expressed in cervical cancer and are correlated to common prognostic factors.

101 Association between primary vulvar vestibulitis syndrome, defective induction of tumor necrosis factor- α , and carriage of the mannose-binding lectin codon 54 gene polymorphism

Oksana Babula; Iara M. Linhares; Ann Marie Bongiovanni; William J. Ledger; Steven S. Witkin

A polymorphism in the gene coding for mannose-binding lectin is associated with acquisition of vulvar vestibulitis syndrome after the first act of sexual intercourse. The mechanism might involve a reduced response to microbial infection.

BASIC SCIENCE: OBSTETRICS

103 Effects of antenatal glucocorticoids on cerebral protein synthesis in the preterm ovine fetus

Jeremy McCallum; Norman Smith; James N. MacLachlan; Turhan Coksaygan; Matthias Schwab; Peter Nathanielsz; Bryan S. Richardson

Cerebral protein fractional synthetic rate values for the preterm ovine fetus are high, which indicates high rates of protein synthesis and degradation, and are unaffected by betamethasone administration that is comparable with that used clinically.

105 Effects of antenatal glucocorticoids on cerebral substrate metabolism in the preterm ovine fetus

Jeremy McCallum; Norman Smith; Matthias Schwab; Turhan Coksaygan; Bettina Reinhardt; Peter Nathanielsz; Bryan S. Richardson

Antenatal glucocorticoids alter fetal cerebral metabolism in the preterm ovine fetus, which includes an increased glucose/oxygen quotient and a probable increase in anaerobic glucose metabolism.

108 Amoxicillin pharmacokinetics in pregnant women with preterm premature rupture of membranes

Anouk E. Muller, Joost DeJongh, Paul M. Oostvogel, Rob A. Voskuyl, P. Joep Dörr, Meindert Danhof, Johan W. Mouton

Amoxicillin pharmacokinetics in women with preterm premature rupture of the membranes is similar to nonpregnant individuals and shows little interindividual variability justifying the use of a single standardized dosing regimen.

(continued on page 18A)

Worth 1000 words

The editors invite submissions to new sections of the Journal that focus on visually arresting clinical materials.

Images in Obstetrics, Images in Gynecology

Have you encountered a remarkable clinical image—a clinical photograph or results of a diagnostic test such as an ultrasound scan, MRI film, slide, photomicrograph, DNA blot, or similar—that elucidates some aspect of obstetrics or gynecology in a way that words alone could never achieve?

Share it with AJOG readers in one of these new sections, published in alternating issues.

A short version of the text, with 1 image, appears in print; a longer version, typically with more images, online.

Surgeon's Corner

This quarterly offering describes a new surgical technique or instrument or a new application of a standard one. Step-by-step photos are welcome. AJOG's print edition includes a sample image and synopsis, referring readers to the full-length version online. Authors are encouraged to provide a video clip, with discussion, to be posted online with the article.

For manuscript length and other requirements, please see the Information for Authors at www.AJOG.org.

RESEARCH (continued)

- 110** **Detection of bacteria in placental tissues obtained from extremely low gestational age neonates**
Andrew B. Onderdonk; Mary L. Delaney; Andrea M. DuBois; Elizabeth N. Allred; Alan Leviton; for the Extremely Low Gestational Age Newborns (ELGAN) study investigators
Approximately half of all placentas delivered before the end of the second trimester are culture positive, and the chorion harbors constituents interfering with polymerase chain reaction methods.
- 112** **Elevated asymmetric dimethylarginine concentrations precede clinical preeclampsia but not pregnancies with small-for-gestational-age infants**
Paul D. Speer; Robert W. Powers; Michael P. Frank; Gail Harger; Nina Markovic; James M. Roberts
Asymmetric dimethylarginine concentrations are elevated at mid-pregnancy and delivery in women who later experienced preeclampsia, but not in women who deliver only small-for-gestational-age infants.
- 114** **Protective immunization in mice against group B streptococci using encapsulated C5a peptidase**
Donna A. Santillan; Mark E. Andracki; Stephen K. Hunter
Immunization of mice with polymeric encapsulated C5a peptidase elicits an immune response and results in protection to mouse mothers and pups after group B streptococci challenge.
- 117** **Microglial activation, macrophage infiltration, and evidence of cell death in the fetal brain after uteroplacental administration of lipopolysaccharide in sheep in late gestation**
Lisa C. Hutton; Margie Castillo-Melendez; George A. Smythe; David W. Walker
Uteroplacental administration of endotoxin results in systemic and central nervous system activation of monocytes and increased cell death in the fetal ovine brain.
- 119** **Human decidual cell Toll-like receptor signaling in response to endotoxin: The effect of progestins**
Hyagriv N. Simhan; Jye-Ping Chiao; Donald R. Mattison; Steve N. Caritis
Progestins do not suppress broadly the Toll-like receptor pathway in human decidual cells in response to lipopolysaccharide.
- 122** **Experimental amniotic fluid infection in sheep: Effects of *Ureaplasma parvum* serovars 3 and 6 on preterm or term fetal sheep**
Timothy J. M. Moss; Christine L. Knox; Suhas G. Kallapur; Ilias Nitsos; Christina Theodoropoulos; John P. Newnham; Machiko Ikegami; Alan H. Jobe
Colonization of amniotic fluid by ureaplasmas results in intrauterine and fetal pulmonary inflammation that persists until term and has lasting effects on fetal lung development.
- 124** **Evaluation of physiological alterations of the placenta through analysis of cell-free messenger ribonucleic acid concentrations of angiogenic factors**
Yuditiya Purwosunu; Akihiko Sekizawa; Antonio Farina; Noroyono Wibowo; Keiko Koide; Shiho Okazaki; Masamitsu Nakamura; Takashi Okai
Pathophysiological alterations of the placenta were detected through the mRNA analysis of vascular endothelial growth factor (VEGF), VEGF receptor-1, and endoglin in the plasma of pregnant women with preeclampsia.

(continued)

RESEARCH (continued)**126** Transfer of methadone across the dually perfused preterm human placental lobule

Tatiana N. Nanovskaya; Ilona A. Nekhayeva;

Gary D. V. Hankins; Mahmoud S. Ahmed

Transfer of methadone across the dually perfused preterm human placental lobule was lower than its transfer across perfused term lobule.

127 Effects of sildenafil on the fetal growth of guinea pigs and their ability to survive induced intrapartum asphyxia

Pedro Sánchez-Aparicio; Daniel Mota-Rojas; Alejandro A. Nava-Ocampo;

Maria Elena Trujillo-Ortega; Alfonso Alfaro-Rodríguez;

Emilio Arch; María Alonso-Spilsbury

Sildenafil 50-500 $\mu\text{g}/\text{kg}$ administered from day 35 to the end of gestation produced a dose-dependent fetal growth and tolerability to induced intrapartum asphyxia in guinea pigs.**130** Activation of oxidative stress signaling that is implicated in apoptosis with a mouse model of diabetic embryopathy

Peixin Yang; Zhiyong Zhao; E. Albert Reece

In a mouse model of diabetic embryopathy, activation of oxidative stress signaling is implicated in apoptosis.

132 Among pregnant women with bacterial vaginosis, the hydrolytic enzymes sialidase and prolidase are positively associated with interleukin-1 β

Sabina Cauci; Jennifer Flatow Culhane; Manuela Di Santolo; Kelly McCollum

Sialidase and prolidase enzymes correlate positively with vaginal interleukin-1 β but not with interleukin-8 in bacterial vaginosis.**IMAGING****135** Detection of a microbial biofilm in intraamniotic infection

Roberto Romero; Christoph Schaudinn; Juan Pedro Kusanovic; Amita Gorur;

Francesca Gotsch; Paul Webster; Chia-Ling Nhan-Chang; Offer Erez;

Chong Jai Kim; Luis F. Gonçalves; Edi Vaisbuch; Shali Mazaki-Tovi;

Sonia S. Hassan; J. William Costerton

Bacteria in intraamniotic infection could form a microbial biofilm in amniotic fluid.

138 Dilation of the ductus venosus by stent implantation increases placental blood perfusion in fetal sheep

Michael Tchirikov

The dilatation of the ductus venosus by means of stent implantation in the ductus venosus increased the blood flow volume rate in the umbilical vein.

140 Predicting pulmonary hypoplasia with 2- or 3-dimensional ultrasonography in complicated pregnancies

Franca A. Gerards; Jos W. R. Twisk; Willem P. F. Fetter;

Liliane C. D. Wijnaendts; John M. G. van Vugt

Three-dimensional lung volume measurements seem to be useful in predicting pulmonary hypoplasia secondary to congenital disorders or complications during pregnancy.

(continued on page 20A)

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JOURNAL CLUB

143 'Predicting long-term PID sequelae with treatment markers' by Trautmann et al

Tessa Madden; George A. Macones

An observational study of corticosteroid therapy during pregnancy and its possible connection to cleft lip and/or palate in the fetus raised an important question: how do you interpret data when a degree of bias and confounding is inevitable? It can be done!

➤ See related article, page 30, and full discussion, page e11

IMAGES IN GYNECOLOGY

145 The big seep

Koji Matsuo; Neil B. Rosenshein; Dwight D. Im

Flank pain afflicted the patient for 6 weeks after a supracervical hysterectomy. When the pain suddenly stopped, significant urinary leakage began. What was going on?

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JOURNAL CLUB ROUNDTABLE

e11 Discussion: 'Predicting long-term PID sequelae with treatment markers' by Trautmann et al

Moderator: Tessa Madden; discussants: Katie Hladky; Jenifer Allsworth; Laura Houston; Jessica Despotovic; Caren Schaecher

Journal Club members discussed a secondary analysis that examined whether short-term markers of cure could forecast long-term consequences of pelvic inflammatory disease. They thought the work had a number of strengths, and it allowed them to tackle an interesting puzzle: does a statistically significant association reliably predict risk?

CASE REPORT

e15 Perimortem cesarean delivery 30 minutes after a laboring patient jumped from a fourth-floor window: Baby survives and is normal at age 4 years

Giampiero Capobianco; Antonio Balata; Maria Chiara Mannazzu; Rita Oggiano; Loreta Pinna Nossai; Pier Luigi Cherchi; Salvatore Dessole

A successful perimortem cesarean section was performed on a patient who committed suicide during labor by jumping from the fourth-floor window of the labor ward.

e17 Pregnancy in a geroderma osteodysplastica patient: A case report

Carmine Nappi; Elena Greco; Cecilia Anichini; Germano Guerra; Attilio Di Spiezio Sardo

Author and Subject Indices


In the June and December issues of each year, the last issue of each volume, the Journal historically published an Author Index and a Subject Index. In June and December 2006, these indices appeared online only. With the issue of June 2007 (volume 196, number 6), the searchable database at www.AJOG.org assumed the function of the indices, which are no longer compiled. Previously published indices will remain posted at this site.

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