



West Middlesex University Hospital

Chelsea and Westminster Hospital



NHS Foundation Trust

Obstetrics & Gynaecology Evidence Update

(March 2023)

Contents:

Reviews & Meta Analyses
Cohort Studies & Randomised Trials
Obstetric Ultrasound
Midwifery
Covid-19
New and Updated Cochrane Reviews
Cochrane Clinical Answers
Education
Practice Guidelines & Consensus
News, Briefings and Reports
DynaMed Topic Updates

Reviews & Meta Analyses:

Aspirin use during pregnancy may be a potential risk for postpartum hemorrhage and increased blood loss: a systematic review and meta-analysis

Jiang, Yi;Chen et al. American Journal of Obstetrics & Gynecology MFM, January 2023 5(4), pp. 100878

[\[ABSTRACT\]](#)

Impact of marginal cord insertion on perinatal outcomes: a systematic review and meta-analysis

Siargkas, A et al, American Journal of Obstetrics and Gynecology MFM April 2023 5(4) [\[ABSTRACT\]](#)

Pregnancy outcomes at maternal age over 45 years: a systematic review and meta-analysis [OPEN ACCESS]

Sugai, Shunya et al American Journal of Obstetrics & Gynecology MFM February 2023 5(4), pp. 100885

[\[ABSTRACT\]](#)

Efficacy of perineal massage during the second stage of labor for the prevention of perineal injury: A systematic review and meta-analysis [NHS OPENATHENS LOGIN REQUIRED]

Marcos-Rodríguez, Andrea;Leirós-Rodríguez, Raquel and Hernandez-Lucas, Pablo, International Journal of Gynaecology & Obstetrics, February 2023 [\[ABSTRACT\]](#)

Pregnancy-Related Complications and Incidence of Atrial Fibrillation: A Systematic Review [OPEN ACCESS]

Al Bahhawi et al, Journal of Clinical Medicine 7 February 2023 12(4) [\[ABSTRACT\]](#)

Pregnancy in Patients with Inflammatory Bowel Diseases-A Literature Review [OPEN ACCESS]

Grigorescu, Raluca Roxana et al, Life 9 February 2023 13(2) [\[ABSTRACT\]](#)

Efficacy of Postpartum Pharmacologic Thromboprophylaxis: A Systematic Review and Meta-analysis [NHS OPENATHENS LOGIN REQUIRED]

Oakes, M. C.;Reese, M.;Colditz, G. A.;Stoll, C. R. T.;Hardi, A.;Arnold, L. D. and Frolova, A. I., Obstetrics and Gynecology, 9 March 2023 [\[ABSTRACT\]](#)

Cohort Studies & Randomised Trials:

RCTS:

Progesterone for women with threatened miscarriage (STOP trial): a placebo-controlled randomized clinical trial [NHS OPENATHENS LOGIN REQUIRED]

McLindon, Lucas A et al Human Reproduction, 20 February 2023 [\[ABSTRACT\]](#)

Testing equivalence of two doses of intravenous iron to treat iron deficiency in pregnancy: A randomised controlled trial [OPEN ACCESS]

Froessler, Bernd et al., BJOG: An International Journal of Obstetrics & Gynaecology, January 2023 130(1), pp. 15-23 [\[ABSTRACT\]](#)

Effect of Intrapartum Azithromycin vs Placebo on Neonatal Sepsis and Death: A Randomized Clinical Trial.

Roca, Anna et al, JAMA March 7 2023 329(9), pp. 716-724 [\[ABSTRACT\]](#)

Early vs Interval Postpartum Intrauterine Device Placement: A Randomized Clinical Trial.

Averbach, Sarah et al, JAMA March 21 2023 329(11), pp. 910-917 [\[ABSTRACT\]](#)

Cohort Studies:

Associations between endometriosis and adverse pregnancy and perinatal outcomes: a population-based cohort study [OPEN ACCESS]

Gebremedhin, Amanuel T. et al, Archives of Gynecology & Obstetrics, March 20 2023 [\[ABSTRACT\]](#)

Maternal opioid treatment after delivery and risk of adverse infant outcomes: population based cohort study [OPEN ACCESS]

Zipursky, Jonathan S et al.: BMJ March 15 2023 380, pp. e074005 [\[ABSTRACT\]](#)

Recurrence of hypertensive disorders of pregnancy: results from a nationwide prospective cohort study (CONCEPTION) [NHS OPENATHENS LOGIN REQUIRED]

Lailler, G. et al; BJOG: An International Journal of Obstetrics & Gynaecology [\[ABSTRACT\]](#)

Adverse pregnancy, delivery and neonatal outcomes across different advanced maternal ages: A population-based retrospective cohort study [OPEN ACCESS]

Machado-Gedeon, Alexandre et al, European Journal of Obstetrics & Gynecology and Reproductive Biology, March 2023 17, pp. 100180 [\[ABSTRACT\]](#)

Obstetric Ultrasound:

Impact of maternal body mass index on the accuracy of third trimester sonographic estimation of fetal weight [NHS OPENATHENS LOGIN REQUIRED]

Gevaerd Martins, J et al, Archives of Gynecology and Obstetrics, March 25 2023 307(2), pp. 395-400 [\[ABSTRACT\]](#)

Routine Ultrasound at 30th-33rd weeks versus 30th-33rd and 35th-37th weeks in Low-Risk Pregnancies: A Randomized Trial.

Policiano, C. et al., Fetal Diagnosis and Therapy, December 2022 49(9-10), pp. 425-433 [\[ABSTRACT\]](#)

Cervical length screening for predicting preterm birth: A comparative review of guidelines [NHS OPENATHENS LOGIN REQUIRED]

Impis Oglou et al, Journal of Clinical Ultrasound, March 2023 51(3), pp. 472-478 [\[ABSTRACT\]](#)

Midwifery:

[Electronic cigarettes for smoking cessation in pregnancy: a nation-wide mixed methods study](#) [NHS OPENATHENS LOGIN REQUIRED]

Broadfield, Amy et al, British Journal of Midwifery March 2023 31(3), pp. 133-141

[Providing care to couples experiencing pregnancy loss](#) [NHS OPENATHENS LOGIN REQUIRED]

Latiff, Hajah-Siti-Badariah et al, British Journal of Midwifery March 2023 31(3), pp. 172-176

[Provision of information by midwives for pregnant women in England on guidance on foods/drinks to avoid or limit](#) [OPEN ACCESS]

Beasant, Lucy;Ingram, Jenny;Tonks, Rachel and Taylor, Caroline M.BMC Pregnancy & Childbirth, 8 MARCH 2023 23(1), pp. 152 [\[ABSTRACT\]](#)

[The effects of freezing and thawing on mature human milk's contains: A systematic review](#)

Kaya, Özge and Çınar, Nursan; Midwifery March 2023 Vol.118 [\[ABSTRACT\]](#)

Covid-19:

[Safety of COVID-19 vaccines in pregnancy: a VAERS based analysis](#) [OPEN ACCESS]

Santi Laurini et al, : European Journal of Clinical Pharmacology, March 24 2023 [\[ABSTRACT\]](#)

[Changes in preterm birth and stillbirth during COVID-19 lockdowns in 26 countries](#) [OPEN ACCESS]

Calvert, Clara; et al, Nature Human Behaviour, February 2023 [\[ABSTRACT\]](#)

[Comparative analysis of long-term self-reported COVID-19 symptoms among pregnant women](#) [OPEN ACCESS]

Vasconez-Gonzalez, Jorge et al ,Journal of Infection and Public Health, March 2023 16(3), pp. 430-440 [\[ABSTRACT\]](#)

New & Updated Cochrane Systematic Reviews

Pregnancy & Childbirth:

[Induction of labour at or near term for suspected fetal macrosomia](#)

Michel Boulvain; Jim G Thornton

[Planned hospital birth compared with planned home birth for pregnant women at low risk of complications](#)

Ole Olsen; Jette A Clausen

Cochrane Clinical Answers:

How does dexamethasone compare with betamethasone for women and babies at risk of preterm birth?

Clinical Answer: For women at risk of preterm birth, the effect of dexamethasone compared with betamethasone is uncertain for maternal outcomes (chorioamnionitis, infection requiring the use of antibiotics, or adverse effects of therapy) and for fetal, neonatal, and child outcomes (death, respiratory distress syndrome, intraventricular hemorrhage, chronic lung disease, necrotizing enterocolitis, birthweight, neurodevelopmental disability, developmental delay, cerebral palsy, neonatal intensive care unit admission, or visual and hearing impairment). Reviewers found no studies assessing maternal death or puerperal sepsis.

Education:

Laparoscopic entry techniques: Which should you prefer? [NHS OPENATHENS LOGIN REQUIRED]

Raimondo, Diego et al International Journal of Gynecology & Obstetrics March 2023 160(3), pp. 742-750
[\[ABSTRACT\]](#)

Management of blood pressure in pregnancy: new perspectives from the CHAP trial [NHS OPENATHENS LOGIN REQUIRED]

Holliman, Kerry D.;Lowe, Virginia and Nonni, Gabriella,, January 4 2023 Current Opinion in Obstetrics & Gynecology [\[ABSTRACT\]](#)

Current concepts in preoperative anemia management in obstetrics [NHS OPENATHENS LOGIN REQUIRED]

Wiesenack, Christoph;Meybohm, Patrick;Neef, Vanessa and Kranke, Peter, Current Opinion in Anaesthesiology, February 28 2023 [\[ABSTRACT\]](#)

Practice Guidelines & Consensus:

Developing evidence-based guidelines for the safety of symptomatic drugs in multiple sclerosis during pregnancy and breastfeeding: A systematic review and Delphi consensus [NHS OPENATHENS LOGIN REQUIRED]

Iyer, Priyanka; Wiles, Kate et al. Multiple Sclerosis, March 2023 29(3), pp. 395-406 [\[ABSTRACT\]](#)

ESHRE guideline: recurrent pregnancy loss: an update in 2022 [OPEN ACCESS]

Bender Atik, et al. Human Reproduction Open, March 2 2023(1), pp. [\[ABSTRACT\]](#)

Noninvasive prenatal screening (NIPS) for fetal chromosome abnormalities in a general-risk population: An evidence-based clinical guideline of the American College of Medical Genetics and Genomics (ACMG)

Dungan, Jeffrey S.;Klugman, Susan;Darilek, Sandra;Malinowski, Jennifer;Akkari, Yasmine M. N.;Monaghan, Kristin G.;Erwin, Angelika and Best, Robert G.,Genetics in Medicine 25(2), pp. 100336 [\[ABSTRACT\]](#)

News, Briefings & Reports:

News:

[Maternity services are still failing women and babies despite reviews, says ombudsman](#) – BMJ (30 March)

[Better communication needed about epilepsy medicine risks in pregnancy](#) – Epilepsy Action (15 March)

[£25 million for women's health hub expansion](#) – Department of Health and Social Care (8 March)

[Malnutrition in pregnancy surges in poor countries](#) – BBC (7 March)

[National learning report highlights risks associated with 'incomplete' maternal risk assessments](#) - HSIB (2 March)

Reports:

[Assessment of risk during the maternity pathway](#) – HSIB

[Spotlight on maternity care: your stories, your rights](#) – Parliamentary and Health Service Ombudsmen

[Three year delivery plan for maternity and neonatal services](#) – NHS England

[Trends in maternal mortality 2000 to 2020: estimates by WHO, UNICEF, UNFPA, World Bank Group and UNDESA/Population Division](#) – WHO

DynaMed Plus Topic Updates: (NHS OPENATHENS LOGIN required to access DynaMed topics)

Antidepressant use in pregnancy and lactation: Antidepressant use between gestational week 19 and delivery associated with small increased risks of each of attention deficit hyperactivity disorder (ADHD), developmental speech and language or communication disorders, and behavioral disorders ([JAMA Intern Med 2022 Oct 3](#))

Covid-19 and pregnancy: Return of COVID-19 symptoms reported in 33.3% of vaccinated pregnant patients completing full 5-day course of nirmatrelvir/ritonavir for mild SARS-CoV-2 infection ([Obstet Gynecol 2023 Mar 16 early online](#))

Early-onset neonatal sepsis: Among pregnant persons ≥ 16 years old, intrapartum azithromycin orally may not reduce composite risk of neonatal sepsis and death ([JAMA 2023 Mar 7](#))

Hypertensive disorders of pregnancy: Preeclampsia and other hypertensive disorder of pregnancy each associated with increased risk of ischemic heart disease in birthing parent ([BMJ 2023 Feb 1](#))

Induced abortion: In patients with low risk of ectopic pregnancy, very early medical abortion prior to ultrasound confirmation of intrauterine pregnancy does not appear to increase ectopic pregnancy rate compared to medical abortion after confirmation and may reduce duration of care without affecting likelihood of complete abortion ([BMJ Sex Reprod Health 2022 Nov 9 early online](#))

Preterm labor: Single course of antenatal betamethasone at $\leq 22\ 6/7$ weeks gestation may be associated with increased survival to hospital discharge and survival without major morbidity among infants born between 22 and 23 6/7 weeks gestation ([JAMA Netw Open 2022 Sep 1](#))

Intrauterine growth restriction (IUGR): Having SGA infant associated with increased risk of ischemic heart disease in birthing parent ([BMJ 2023 Feb 1](#))

Lactational mastitis: Oral probiotics during pregnancy may decrease risk of lactational mastitis ([PLoS One 2022](#))

Postpartum management: Early IUD placement at 2-4 weeks postpartum appears to have similar risk of complete expulsion compared to IUD placement at 6-8 weeks postpartum in adults following vaginal or cesarean birth ([JAMA 2023 Mar 21](#))

Twin-Twin Transfusion Syndrome: Solomon technique may reduce perinatal mortality but may increase placental abruption compared to selective fetoscopic laser photocoagulation in monochorionic twin pregnancies complicated by twin-twin transfusion syndrome ([Ultrasound Obstet Gynecol 2022 Dec](#))

Comments or Suggestions? Please contact the Library & Knowledge Service:

louise.levitt@nhs.net or 0208 321 5968

Disclaimer: This Evidence Update is for information only. The Library Staff are not responsible for the content of references. This list is a selection of the article/evidence available and is not intended to be exhaustive.