



## Obstetrics & Gynaecology Evidence Update (August 2023)

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#### Reviews & Meta Analyses:

The proportions of term or late preterm births after exposure to early antenatal corticosteroids, and outcomes: systematic review and meta-analysis of 1.6 million infants [NHS OPENATHENS LOGIN REQUIRED]

Ninan, Kiran et al, BMJ, 2 August 2023 [\[ABSTRACT\]](#)

Outpatient versus inpatient cervical ripening with a slow-release dinoprostone vaginal insert in term pregnancies on maternal, neonatal, and birth outcomes: A systematic review [OPEN ACCESS]

Mazzoli, Ilenia and O'Malley, Deirdre, Birth, September 2023 50(3), pp. 473-485 [\[ABSTRACT\]](#)

An evaluation of the efficacy and the safety of home blood pressure monitoring in the control of hypertensive disorders of pregnancy in both pre and postpartum periods: a systematic review and meta-analysis [OPEN ACCESS]

Albadrani, Muayad;Tobaiqi, Muhammad and Al-Dubai, Sami, BMC Pregnancy & Childbirth, 1 August 2023 23(1), pp. 550 [\[ABSTRACT\]](#)

Perinatal and maternal outcomes according to timing of induction of labour: A systematic review and meta-analysis [OPEN ACCESS]

Jeer, B, European Journal of Obstetrics, Gynecology, and Reproductive Biology, August 2023 288, pp. 175-182 [\[ABSTRACT\]](#)

Is Exercise during Pregnancy a Risk for Gestational Age and Preterm Delivery? Systematic Review and Meta-Analysis [OPEN ACCESS]

Barakat, Ruben et al, Journal of Clinical Medicine, July 26 2023 12(15) [\[ABSTRACT\]](#)

Cesarean Scar Pregnancy: A systematic review on expectant management [OPEN ACCESS]

Silva, B.;Viana Pinto, P. and Costa, M. A. European Journal of Obstetrics and Gynecology and Reproductive Biology, July 2023 288, pp. 36-43 [\[ABSTRACT\]](#)

**Cesarean Delivery Rate in Nulliparous Women in the Second Stage of Labor When Using Zhang Compared With Friedman Labor Curves: A Systematic Review and Meta-analysis** [NHS OPENATHENS LOGIN REQUIRED]

Limas, Maria M.; Shah, Sohum C. and Turrentine, Mark A. *Obstetrics & Gynecology*, May 2023 141(6) [\[ABSTRACT\]](#)

**Twice-Weekly Versus Once-Weekly Membrane Sweeping in the Prevention of Post-Term Pregnancy: a Systematic Review and Meta-Analysis of Randomized Controlled Trials**

Baradwan, S. et al, *Reproductive Sciences*, July 27 2023 [\[ABSTRACT\]](#)

## **Cohort Studies & Randomised Trials:**

### **RCTS:**

**Alternative routes for tranexamic acid treatment in obstetric bleeding (WOMAN-PharmacoTXA trial): a randomised trial and pharmacological study in caesarean section births** [OPEN ACCESS]

Shakur-Still, Haleema; et al, *BJOG: An International Journal of Obstetrics & Gynaecology*, September 2023 130(10), pp. 1177-1186 [\[ABSTRACT\]](#)

**Helping pregnant smokers quit: a multicentre randomised controlled trial of electronic cigarettes versus nicotine replacement therapy** [OPEN ACCESS]

Przulj D et al. *Health Technol Assess* 2023;27(13) [\[ABSTRACT\]](#)

**Prenatal Intravenous Magnesium at 30-34 Weeks' Gestation and Neurodevelopmental Outcomes in Offspring: The MAGENTA Randomized Clinical Trial**

Crowther, Caroline A.; Ashwood, Pat; Middleton, Philippa F.; McPhee, Andrew; Tran, Thach; Harding, Jane E. and MAGENTA Study Group, *JAMA*, 15 August 2023 330(7), pp. 603-614 [\[ABSTRACT\]](#)

**Zuranolone for the Treatment of Postpartum Depression**

Deligiannidis, Kristina M et al, *American Journal of Psychiatry*, 26 July 2023 [\[ABSTRACT\]](#)

### **Cohort Studies:**

**Perinatal outcomes after therapeutic rest in the latent phase of labor: A cohort study** [OPEN ACCESS]

Bagger, Nanna T et al, *Acta Obstetrica Et Gynecologica Scandinavica*, September 2023 102(9), pp. 1210-1218 [\[ABSTRACT\]](#)

**Pregestational maternal risk factors for preterm and term preeclampsia: A population-based cohort study** [OPEN ACCESS]

Sande, A. K et al, *Acta Obstetrica Et Gynecologica Scandinavica*, July 25 2023 [\[ABSTRACT\]](#)

**Association between antenatal corticosteroids and risk of serious infection in children: nationwide cohort study** [NHS OPENATHENS LOGIN REQUIRED]

Yao, Tsung-Chieh et al *BMJ*, 2 August 2023 [\[ABSTRACT\]](#)

**Severe maternal morbidity associated with endometriosis: a population-based, retrospective cohort study**

Park, Bo Y.; Yao, Ruofan; Rossi, Jordan and Lee, Alice W, *Fertility & Sterility*, August 2023 120(2), pp. 360-368 [\[ABSTRACT\]](#)

**Obstetric and neonatal outcomes in pregnant women with and without a history of specialist mental health care: a national population-based cohort study using linked routinely collected data in England** [OPEN ACCESS]

Langham, Julia et al, *The Lancet Psychiatry*, 14 August 2023 [\[ABSTRACT\]](#)

## **Obstetric Ultrasound:**

**Is mid-gestational uterine artery Doppler still useful in a setting with routine first-trimester pre-eclampsia screening? A cohort study** [OPEN ACCESS]

Meroni, Anna et AL, BJOG: An International Journal of Obstetrics & Gynaecology, August 2023 130(9), pp. 1128-1134 [\[ABSTRACT\]](#)

**Artificial intelligence in obstetric ultrasound: A scoping review** [OPEN ACCESS]

Horgan, Rebecca; Nehme, Lea and Abuhamad, Alfred, Prenatal Diagnosis, August 2023 43(9), pp. 1176-1219 [\[ABSTRACT\]](#)

**Implication of third-trimester screening accuracy for small-for-gestational age and additive value of third-trimester growth-trajectory indicators in predicting severe adverse perinatal outcome in low-risk population: pragmatic secondary analysis of IRIS study** [OPEN ACCESS]

van Roekel, M et al, Ultrasound in Obstetrics & Gynecology, August 2023 62(2), pp. 209-218 [\[ABSTRACT\]](#)

## **Midwifery:**

**Midwives' practice of maternal positions throughout active second stage labour: an integrative review** [NHS OPENATHENS LOGIN REQUIRED]

Asnawi, Damia Hazimah et al, British Journal of Midwifery, August 2023 31(8), pp. 468-476 [\[ABSTRACT\]](#)

**What makes an excellent labour ward co-ordinator? Insights from the multidisciplinary team** [NHS OPENATHENS LOGIN REQUIRED]

Bunford, Debra; Collier, Lesley and Greaves, Peta Jane, British Journal of Midwifery, August 2023 31(8), pp. 460-467 [\[ABSTRACT\]](#)

**To screen or not to screen for asymptomatic bacteriuria in pregnancy: A comparative three-year retrospective review between two maternity centres**

Houlihan, E. European Journal of Obstetrics and Gynecology and Reproductive Biology, July 2023 288, pp. 130-134 [\[ABSTRACT\]](#)

**Cannabis use during pregnancy and its effect on the fetus, newborn and later childhood: A systematic review** [OPEN ACCESS]

Ainiti, Dimitra-Fanouria et al, European Journal of Midwifery, August 2023 7, pp. 19 [\[ABSTRACT\]](#)

**Association of oxytocin augmentation and duration of labour with postpartum haemorrhage: A cohort study of nulliparous women** [OPEN ACCESS]

Bernitz, Stine et al, Midwifery, August 2023 123, pp. 103705 [\[ABSTRACT\]](#)

**UK maternity care experiences of ethnic minority and migrant women: Systematic review** [NHS OPENATHENS LOGIN REQUIRED]

Obionu, I. M et al, Public Health Nursing, 7 August 2023 [\[ABSTRACT\]](#)

## **New & Updated Cochrane Systematic Reviews**

### **Pregnancy & Childbirth:**

[Monotherapy treatment of epilepsy in pregnancy: congenital malformation outcomes in the child](#)

Rebecca Bromley; Naghme Adab; Matt Bluett-Duncan; Jill Clayton-Smith; Jakob Christensen; Katherine Edwards et al

### **Gynaecology:**

[Combined oral contraceptive pill for primary dysmenorrhoea](#)

Jeppe B Schroll; Amanda Y Black; Cindy Farquhar; Innle Chen

### **Reproduction & Sexual Health:**

[Hormone therapy for sexual function in perimenopausal and menopausal women](#)

Lucia A Lara; Denisse Cartagena-Ramos; Jacqueline BP Figueiredo; Ana Carolina JS Rosa-e-SilvaL Rui A Ferriani; Wellington P Martins; Miguel Fuentealba-Torres

## **Cochrane Clinical Answers:**

[Can antenatal supplementation with myo-inositol during pregnancy improve outcomes in women at risk of gestational diabetes?](#)

## **Practice Guidelines & Consensus:**

[Caesarean birth](#) – NICE (updated 23 August)

[Ectopic pregnancy and miscarriage: diagnosis and initial management](#) – NICE (updated 23 August)

[Urinary tract infections in pregnant individuals: ACOG clinical consensus](#)

American College of Obstetricians and Gynecologists, August 2023, No.4

[Viral Hepatitis in Pregnancy: ACOG Clinical Practice Guideline No. 6.](#) [NHS OPENATHENS LOGIN REQUIRED]

American College of Obstetricians and Gynecologists, Obstetrics & Gynecology, 1 September 2023 142(3), pp. 745-759

**British Society for Haematology guideline for anticoagulant management of pregnant individuals with mechanical heart valves** [OPEN ACCESS]

Lester, Will; et al, British Journal of Haematology, August 2023 202(3), pp. 465-478

**Guideline No. 440: Management of Monochorionic Twin Pregnancies**

Lee, H. S.;Abbasi, N.;Van Mieghem, T.;MeiDan, E.;Audibert, F.;Brown, R.;Coad, S.;Lewi, L.;Barrett, J. and Ryan, Gm Journal of Obstetrics and Gynaecology Canada, August 2023 45(8), pp. 587-606.e8 [[ABSTRACT](#)]

**Technical Update No. 439: Antenatal Corticosteroids at Late Preterm Gestation**

Liauw, Jessica et al, Journal of Obstetrics & Gynaecology Canada: JOGC, June 2023 45(6), pp. 445-457.e2 [[ABSTRACT](#)]

## **News, Briefings & Reports:**

### **News:**

**The UK Womb Transplant Team announces its first successful operation – Womb Transplant UK** (23 August)

**Maternity care at St George’s Hospital in London is unsafe and chaotic, says regulator – BMJ** (18 August)

**RCOG welcomes RCM perinatal mental health roadmap – RCOG** (16 August)

**Twin clinic cuts Caesarean sections for multiple births in Somerset – BBC** (16 August)

**Nearly six million women in the US live in maternity care deserts – BMJ** (14 August)

**Pregnancy: Running and exercise guidance called for by mums – BBC** (5 August)

**e-cigarettes may be better than nicotine patches in helping pregnant women stop smoking – NIHR** (2 August)

**Thousands of pregnancies tracked in UK’s biggest study on pre-eclampsia – POPPY Study** (19 July)

### **Reports:**

**Strengthening perinatal mental health: a road map to the right support at the right time - RCM**

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

**Adnexal torsion:** Recurrent adnexal torsion within 2 years after oophoropexy in about 47% of patients ([Arch Gynecol Obstet 2023 Mar](#))

**Cesarean birth:** Addition of outpatient gabapentin to standard multimodal pain management may not reduce time to opioid cessation in patients with severe acute pain after cesarean birth ([Anesth Analg 2023 Jun 1](#))

**Postpartum depression:** Zuranolone may reduce depressive symptoms at 45 days in adults  $\leq 45$  years old with severe postpartum depression ([Am J Psychiatry 2023 Jul 26 early online](#))

**Prevention of group B streptococcal infection in the newborn:** Single dose of GBS6 vaccine in healthy pregnant adults reported to be safe and reported to induce anti-CPS IgG antibodies against group B streptococcus that are transferred to infants ([N Engl J Med 2023 Jul 20](#))

**Preterm labor:** Early exposure to antenatal corticosteroids at  $< 34\frac{6}{7}$  weeks gestation may increase risk of admission to the neonatal ICU and need for intubation in infants born at term or late preterm ( $\geq 34$  weeks gestation) ([BMJ 2023 Aug 2](#))

**Routine prenatal care:** Respiratory syncytial virus vaccine (Abrysvo) receives expanded FDA approval for active immunization of pregnant persons at 32-36 weeks gestational age to prevent LRTD and severe LRTD caused by RSV in infants from birth through 6 months old ([FDA Press Release 2023 Aug 21](#))

**Surgical management of pelvic organ prolapse:** In patients having laparoscopic sacrocolpopexy for symptomatic stage  $\geq 2$  cervical or vault prolapse, heavier-weight polypropylene mesh associated with increased risk of graft-related complications and reinterventions for graft-related complications at 8 years compared to lightweight polypropylene mesh ([Obstet Gynecol 2023 Jan 1](#))

**Uterine adenomyosis:** Mifepristone reduces dysmenorrhea at 12 weeks in adults  $\leq 50$  years old with adenomyosis-associated dysmenorrhea ([JAMA Netw Open 2023 Jun 1](#))

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