



## Obstetrics & Gynaecology Evidence Update (February 2023)

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### 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, Y.;Chen, Z.;Chen, Y.;Wei, L.;Gao, P.;Zhang, J.;Zhou, X.;Zhu, S.;Zhang, H.;Du, Y.;Fang, C.;Su, R.;Wang, S.;Yu, J.;He, M.;Ding, W. and Feng, L., American Journal of Obstetrics & Gynecology MFM , pp. 00878 [\[ABSTRACT\]](#)

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

Siargkas, A.;Tsakiridis, I.;Pachi, C.;Mamopoulos, A.;Athanasiadis, A. and Dagklis, T., American Journal of Obstetrics & Gynecology MFM, 25 January 2023 , pp. 100876 [\[ABSTRACT\]](#)

**Exercise during pregnancy for preventing gestational diabetes mellitus and hypertensive disorders: An umbrella review of randomised controlled trials and an updated meta-analysis** [OPEN ACCESS]

Martínez-Vizcaíno, Vicente;Sanabria-Martínez, Gema;Fernández-Rodríguez, Rubén;Cavero-Redondo, Iv;Pascual-Morena, Carlos;Álvarez-Bueno, Celia and Martínez-Hortelano, José Alberto, BJOG: An International Journal of Obstetrics & Gynaecology, February 2023 130(3), pp. 264-275 [\[ABSTRACT\]](#)

**Monkeypox disease and pregnancy. Where are we today? A review of literature** [OPEN ACCESS]

Kopanou Taliaka, P.;Tsantes, A. G.;Konstantinidi, A.;Liakou, P.;Tavoulari, E. F.;Piovani, D.;Bonovas, S.;Iacovidou, N.;Tsantes, A. E. and Sokou, R. : Journal of Perinatology, 1 February 2023 [\[ABSTRACT\]](#)

**First-Trimester Influenza Infection Increases the Odds of Non-Chromosomal Birth Defects: A Systematic Review and Meta-Analysis** [OPEN ACCESS]

Mátrai, Ákos;Teutsch, Brigitta;Váradi, Alex;Hegyi, Péter;Pethő, Boglárka;Fujisawa, Akari;Váncsa, Szilárd;Lintner, Balázs;Melczar, Zsolt and Ács, Nándor: Viruses, December 2022 14(12) [\[ABSTRACT\]](#)

## Cohort Studies & Randomised Trials:

### RCTS:

**Effect of Second-Stage Pushing Timing on Postpartum Pelvic Floor Morbidity: A Randomized Controlled Trial**

[NHS OPENATHENS LOGIN REQUIRED]

Tuuli, M. G.;Gregory, W. T.;Arya, L. A.;Lowder, J. L.;Woolfolk, C.;Caughey, A. B.;Srinivas, S. K.;Tita, A. T. N.;Macones, G. A.;Cahill, A. G. and Richter, H. E. Obstetrics and Gynecology, February 2023 141(2), pp. 245-252 [\[ABSTRACT\]](#)

**Azithromycin to Prevent Sepsis or Death in Women Planning a Vaginal Birth** [NHS OPENATHENS LOGIN REQUIRED]

Tita, A. T, et al, The New England Journal of Medicine 09 Feb 2023 [\[ABSTRACT\]](#)

**Combination of gefitinib and methotrexate to treat tubal ectopic pregnancy (GEM3): a multicentre, randomised, double-blind, placebo-controlled trial** [OPEN ACCESS]

Lucy H. R, et al, The Lancet, February 01 2023 [\[ABSTRACT\]](#)

**Effects on heavy menstrual bleeding and pregnancy of uterine artery embolization (UAE) or myomectomy for women with uterine fibroids wishing to avoid hysterectomy: The FEMME randomized controlled trial** [OPEN ACCESS]

Sirkeci, Fusun;Moss, John;Belli, Anna M.;McPherson, Klim; Daniels, Jane; Manyonda, Isaac; Middleton, Lee; Cheed, Versha; Wu, Olivia; Lumsden, Mary A. and the FEMME Trial, Collaborative Group, International Journal of Gynecology & Obstetrics February 2023 160(2), pp. 492-501 [\[ABSTRACT\]](#)

### Cohort Studies:

**Adverse pregnancy outcomes and long term risk of ischemic heart disease in mothers: national cohort and co-sibling study** [OPEN ACCESS]

Crump, Casey;Sundquist, Jan;McLaughlin, Mary Ann;Dolan, Siobhan M.;Govindarajulu, Usha;Sieh, Weiva and Sundquist, Kristina, BMJ, 1 February 2023 80, pp. e072112 [\[ABSTRACT\]](#)

**Spontaneous preterm birth risk among HPV-vaccinated and -unvaccinated women: a nationwide retrospective cohort study of over 240 000 singleton births** [NHS OPENATHENS LOGIN REQUIRED]

McClymont, Elisabeth;Faber, Mette T.;Belmonte, Federica and Kjaer, Susanne K., : BJOG: An International Journal of Obstetrics & Gynaecology, March 2023 130(4), pp. 358-365 [\[ABSTRACT\]](#)

**Endometriosis is associated with pregnancy loss: A nationwide historical cohort study**

Boje, Amalie Dyhrberg et al, Fertility and Sterility, January 3 2023 [\[ABSTRACT\]](#)

**Mode of delivery and birth outcomes in relation to the duration of the passive second stage of labour: A retrospective cohort study of nulliparous women** [OPEN ACCESS]

Bjelke, Maria;Thurn, Lars and Oscarsson, Marie, PLoS ONE [Electronic Resource], January 2023 18(1), pp. e0281183 [\[ABSTRACT\]](#)

## **Obstetric Ultrasound:**

[Spectrum of fetal limb anomalies](#) [NHS OPENATHENS LOGIN REQUIRED]

Thakur, Seema et al: Journal of Clinical Ultrasound, January 2023 51(1), pp. 96-106 [\[ABSTRACT\]](#)

[UK obstetric sonographers' experiences of the COVID-19 pandemic: Burnout, role satisfaction and impact on clinical practice](#) [OPEN ACCESS]

Skelton, Emily; Harrison, Gill; Rutherford, Mary; Ayers, Susan and Malamateniou, Christina, Ultrasound Jan-Feb 2023 31(1), pp. 12-22 [\[ABSTRACT\]](#)

[Diagnostic dilemma between angular and interstitial ectopic pregnancy: 3D ultrasound features](#) [OPEN ACCESS]

Durand, Y. G.;Capoccia-Brugger, R.;Vial, Y. and Balaya, V., Journal of Ultrasound, December 2022 25(4), pp. 989-994 [\[ABSTRACT\]](#)

## **Midwifery:**

[Could a decision support tool be the key to supporting choice for women regarding place of birth?](#)

Wiggins, Daisy;Hundley, Vanora A.;Bond, Carol;Wilkins, Carol and Walton, Gill, Midwifery February 2023 117, pp. 103564 [\[ABSTRACT\]](#)

[Sustainability of Entonox in obstetrics: a qualitative study](#) [NHS OPENATHENS LOGIN REQUIRED]

Kelly, Catherine;Raju, Pavan;Smith, Tim and Fioratou, Evridiki, : British Journal of Midwifery February 2023 31(2), pp. 74-80

[Women's perception of risk of pregnancy at advanced maternal age -- a scoping review](#) [AVAILABLE IN THE LIBRARY]

Steele, Ellie, MIDIRS Midwifery Digest December 2022 32(4), pp. 449-453

## **Covid-19:**

[Maternal mRNA covid-19 vaccination during pregnancy and delta or omicron infection or hospital admission in infants: test negative design study](#) [OPEN ACCESS]

Jorgensen, Sarah C et al : BMJ 8 February 2023 380, pp. e074035 [\[ABSTRACT\]](#)

[Paxlovid \(Nirmatrelvir and Ritonavir\) Use in Pregnant and Lactating Woman: Current Evidence and Practice Guidelines-A Scoping Review](#) [OPEN ACCESS]

Chourasia, Prabal;Maringanti, Babu Sriram;Edwards-Fligner, Morgan;Gangu, Karthik;Bobba, Aniesh;Sheikh, Abu Baker and Shekhar, Rahul, Vaccines (Basel) 11(1), pp. Jan 01 2023 [\[ABSTRACT\]](#)

[Effectiveness and safety of COVID-19 vaccine in pregnant women: A systematic review with meta-analysis \[OPEN ACCESS\]](#)

Tormen, Mara; Taliento, Cristina; Salvioli, Stefano; Piccolotti, Irene; Scutiero, Gennaro; Cappadona, Rosaria and Greco, Pantaleo, BJOG: An International Journal of Obstetrics & Gynaecology, March 2023 130(4), pp. 348-357 [\[ABSTRACT\]](#)

[Outcome predictors and patient progress following delivery in pregnant and postpartum patients with severe COVID-19 pneumonitis in intensive care units in Israel \(OB-COVICU\): a nationwide cohort study \[OPEN ACCESS\]](#)

Fatnic, Elena; Blanco et al, .3 February 2023 The Lancet Respiratory Medicine [\[ABSTRACT\]](#)

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

### **Pregnancy & Childbirth:**

[Antenatal dietary supplementation with myo-inositol for preventing gestational diabetes](#)

Soana K Motuhifonua; Luling Lin; Jane Alsweiler; Tineke J Crawford; Caroline A Crowther

## **Cochrane Clinical Answers:**

[For fetal malposition in labor, how effective are different maternal postures for improving the health of mothers and their infants?](#)

[For continent women with pelvic organ prolapse \(POP\), how do different POP surgeries compare?](#)

[For women with pelvic organ prolapse \(POP\) and stress urinary incontinence \(SUI\), how does continence procedure compare with no/delayed continence procedure POP surgery?](#)

[In women trying to conceive by intrauterine insemination or sexual intercourse, what are the effects of different doses and routes of administration of progesterone as luteal phase support?](#)

[In women trying to conceive by intrauterine insemination or sexual intercourse, what are the effects of progesterone as luteal phase support?](#)

[In women undergoing assisted reproductive techniques \(ART\), how does follicular flushing compare with aspiration alone during oocyte retrieval?](#)

## National Institute for Health Research Alerts:

[Decision aid helps pregnant women with high blood pressure](#) (15 February 2023)

## Practice Guidelines & Consensus:

[Pain Relief and Informed Decision-Making for Outpatient Hysteroscopy \(Good Practice Paper No.16\)](#) - RCOG

[Obstetric Care Consensus #11, Pregnancy at age 35 years or older](#)

Gantt, Angela;Metz, Torri D.;Kuller, Jeffrey A.;Louis, Judette M.;Cahill, Alison G. and Turrentine, Mark A., American Journal of Obstetrics & Gynecology, March 2023 228(3), pp. B25-B40 [\[ABSTRACT\]](#)

[ISUOG Practice Guidelines \(updated\): performance of fetal magnetic resonance imaging](#) [OPEN ACCESS]

Prayer, D et al and the ISUOG Clinical, Standards Committee, Ultrasound in Obstetrics & Gynecology February 2023 61(2), pp. 278-287

[Guideline No. 432a: Cervical Ripening and Induction of Labour - General Information](#)

Robinson, Debbie;Campbell, Kim;Hobson, Sebastian R.;MacDonald, W. Kim;Sawchuck, Diane and Wagner, Brenda; Journal of Obstetrics & Gynaecology Canada: JOGC January 2023 45(1), pp. 35-44.e1 [\[ABSTRACT\]](#)

[Guideline No. 432b: cervical ripening](#)

Robinson, Debbie;Campbell, Kim;Hobson, Sebastian R.;MacDonald, W. Kim;Sawchuck, Diane and Wagner, Brenda; Journal of Obstetrics & Gynaecology Canada: JOGC January 2023 45(1), pp. 56-52 [\[ABSTRACT\]](#)

[Guideline No. 432c: Induction of Labour](#)

Robinson, Debbie;Campbell, Kim;Hobson, Sebastian R.;MacDonald, W. Kim;Sawchuck, Diane and Wagner, Brenda, Journal of Obstetrics & Gynaecology Canada: JOGC; January 2023 45(1), pp. 70-77.e3 [\[ABSTRACT\]](#)

## News, Briefings & Reports:

### News:

[Abortion UK: Women 'manipulated' in crisis pregnancy advice centres – BBC \(27 February\)](#)

[Maternal health is now deteriorating in much of the world, UN report shows – BMJ \(24 February\)](#)

[More midwives needed to support women with infant feeding choices says RCM – RCM \(8 February\)](#)

[Pregnant women to get more protection against being made redundant – BBC \(4 February\)](#)

[Ipswich Hospital's maternity unit reinstates gas and air after concerns – BBC \(4 February\)](#)

[RCOG calling for action to reduce number of women living with poor pelvic floor health – RCOG \(1 February\)](#)

[New MRI method provides detailed view of the placenta during pregnancy – National Institutes of Health \(1 February\)](#)

[Earlier screening needed after pregnancy with pre-eclampsia as European shows 4x heart attack risk – Tommy's \(26 January\)](#)

[Extra ultrasounds not recommended as standard antenatal care – Tommy's \(26 January\)](#)

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

[Covid-19 in pregnant patients](#): COVID-19 vaccination does not appear to decrease rate of clinical pregnancy in persons having assisted reproductive treatment ([Fertil Steril 2023 Jan 23 early online](#))

COVID-19 vaccination during pregnancy does not appear to increase risk of adverse neonatal outcome and may be associated with decreased risk of preterm birth ([BMC Pregnancy Childbirth 2023 Jan 20](#))

[Chorioamnionitis](#): Chorioamnionitis associated with increased risk of adverse neonatal outcomes, including increased need for ventilation ([J Matern Fetal Neonatal Med 2022 Dec](#))

[Cervical ripening for labor induction with unfavourable cervix](#): modified CCRB with uterine balloon inflated to 120 mL and vaginal balloon inflated to 40 mL may increase delivery rate within 24 hours and shorten duration of labor compared to conventional CCRB with both balloons inflated to 80 mL in patients with singleton primiparous pregnancy at term and Bishop score  $\leq 6$  points ([BMC Pregnancy Childbirth 2022 Oct 2](#))

[Fetal monitoring during labor](#): in patients with singleton term pregnancy who have abnormal cardiotocography, additional monitoring by digital fetal scalp stimulation might decrease risk of cesarean section compared to additional monitoring by fetal blood sampling ([Cochrane Database Syst Rev 2023 Jan 10](#))

[Management of routine labor](#): AZithromycin slightly decreases risk of maternal sepsis but not composite risk of stillbirth, neonatal death, and neonatal sepsis in persons in labor at  $\geq 28$  weeks gestation planning vaginal delivery ([N Engl J Med 2023 Feb 9 early online](#))

**Preterm premature rupture of membranes (PPROM):** single 1,000-mg dose of azithromycin may prolong latency period and reduce risk of postpartum endometritis and neonatal respiratory distress syndrome compared to Z-Pak dosing in patients with singleton pregnancy at 24-36 6/7 weeks gestation and PPROM ([BMC Pregnancy Childbirth 2022 Nov 23](#))

**Substance use and exposure in pregnancy:** e-cigarette use among adults during last 3 months of pregnancy associated with low-birth-weight infants ([Obstet Gynecol 2021 Jul 1](#))

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