



Obstetrics & Gynaecology Evidence Update (November 2023)

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Reviews & Meta Analyses:

Birth, cognitive and behavioral effects of intrauterine cannabis exposure in infants and children: A systematic review and meta-analysis [NHS OPENATHENS LOGIN REQUIRED]

Sorkhou, Maryam; Singla, Daisy R.; Castle, David J. and George, Tony P, Addiction, 15 November 2023
[ABSTRACT]

Planned cesarean delivery vs planned vaginal delivery: a systematic review and meta-analysis of randomized controlled trials

Adewale, V et al, American Journal of Obstetrics and Gynecology MFM, 12 October 2023 5(12) [\[ABSTRACT\]](#)

Birth spacing and risk of adverse pregnancy and birth outcomes: A systematic review and dose-response meta-analysis [OPEN ACCESS]

Ni, W et al. Acta Obstetrica Et Gynecologica Scandinavica, December 2023 102(12), pp. 1618-1633 [\[ABSTRACT\]](#)

Double-vs single-balloon catheter for induction of labor: Systematic review and individual participant data meta-analysis [OPEN ACCESS]

Peel, Morgan D et al Acta Obstetrica Et Gynecologica Scandinavica 102(11), pp. 1440-1449 [\[ABSTRACT\]](#)

Safety of pregnancy after breast cancer in young women with hormone receptor-positive disease: a systematic review and meta-analysis [OPEN ACCESS]

Arecco, L. H., et al, ESMO Open, October 2023 8(6), pp. 102031 [\[ABSTRACT\]](#)

Early pregnancy bleeding after assisted reproductive technology: a systematic review and secondary data analysis from 320 patients undergoing hormone replacement therapy frozen embryo transfer [NHS OPENATHENS LOGIN REQUIRED]

Nielsen, J. M.; Humaidan, P.; Jensen, M. B. and Alsbjerg, B, Human Reproduction (Oxford, England), 27 October 2023 [\[ABSTRACT\]](#)

Cohort Studies & Randomised Trials:

RCTS:

Impact of discontinuing oxytocin in active labour on neonatal morbidity: an open-label, multicentre, randomised trial

Girault, A et al, The Lancet, 9 November 2023 [\[ABSTRACT\]](#)

Cumulative pregnancy rates of two strategies: Day 3 fresh embryo transfer followed by Day 3 or Day 5/6 vitrification and embryo transfer: a randomized controlled trial [NHS OPENATHENS LOGIN REQUIRED]

Mengels, A.;Van Muylder, A.;Peeraer, K.;Luyten, J.;Laenen, A.;Spiessens, C. and Debrock, S, Human Reproduction, 26 October 2023 [\[ABSTRACT\]](#)

Does virtual reality technology reduce pain and anxiety during outpatient hysteroscopy? A randomised controlled trial [OPEN ACCESS]

Sewell, Thomas;Fung, Yinka;Al-Kufaishi, Asmaa; Clifford, Katy and Quinn, Stephen. BJOG: An International Journal of Obstetrics & Gynaecology, November 2023 130(12), pp. 1466-1472 [\[ABSTRACT\]](#)

Intravenous Calcium to Decrease Blood Loss During Intrapartum Cesarean Delivery: A Randomized Controlled Trial [NHS OPENATHENS LOGIN REQUIRED]

Ansari, Jessica R.;Yarmosh, Alla; Michel, Guillermina; Lyell, Deirdre; Hedlin, Haley; Cornfield, David N.; Carvalho, Brendan and Bateman, Brian T, Obstetrics & Gynecology, 3 November 2023 [\[ABSTRACT\]](#)

Cohort Studies:

Prevalence of neural tube defects in England prior to the mandatory fortification of non-wholemeal wheat flour with folic acid: A population-based cohort study [OPEN ACCESS]

Broughan, J. M et al. Archives of Disease in Childhood, October 24 2023 [\[ABSTRACT\]](#)

Gestational weight change in a diverse pregnancy cohort and mortality over 50 years: a prospective observational cohort study

Hinkle, Stefanie N et al, The Lancet, 18 November 2023 402(10415), pp. 1857-1865 [\[ABSTRACT\]](#)

Placental growth factor testing at 19–23 weeks of gestation as a guide to subsequent care in pregnancy: A prospective observational study [OPEN ACCESS]

Magee, Laura A.; Syngelaki, Argyro; Akolekar, Ranjit; von Dadelszen, Peter and Nicolaides, Kypros H, BJOG: An International Journal of Obstetrics & Gynaecology, 24 October 2023 [\[ABSTRACT\]](#)

Risk of uterine rupture in multiparous women after induction of labor with prostaglandin: A national population-based cohort study [OPEN ACCESS]

Ryberg, J.;Carlsson, Y.;Svensson, M.;Thunstrom, E. and Svanvik, T. International Journal of Gynecology and Obstetrics, 4 November 2023 [\[ABSTRACT\]](#)

Obstetric Ultrasound:

Adapting a communication coaching intervention for obstetric sonographers delivering unexpected news: A qualitative study [OPEN ACCESS]

Kaur, Essie et al, Ultrasound, November 2023 31(4), pp. 273-283 [\[ABSTRACT\]](#)

Screening for small for gestational age infants in early vs late third-trimester ultrasonography: a randomized trial

Verspyck, E et al, American Journal of Obstetrics and Gynecology MFM 5(11), November 2023 [\[ABSTRACT\]](#)

First trimester anatomy ultrasound for patients with obesity: a randomized controlled trial

Buskmiller, C.et al, E. American Journal of Obstetrics and Gynecology MFM, 3 September 2023 [\[ABSTRACT\]](#)

Midwifery:

Child and maternal benefits and risks of caseload midwifery - a systematic review and meta-analysis [OPEN ACCESS]

Wassen, Lotta et al, BMC Pregnancy & Childbirth, 15 September 2023 23(1), pp. 663 [\[ABSTRACT\]](#)

Midwives' perceptions of and experiences with normal physiologic birth: A qualitative systematic review [NHS OPENATHENS LOGIN REQUIRED]

Shorey, Shafaly and Ng, Esperanza Debby, Birth, December 2023 50(4), pp. 749-763 [\[ABSTRACT\]](#)

Initial care during miscarriage in the emergency department: a discussion of international context [NHS OPENATHENS LOGIN REQUIRED]

Saime, Nur, British Journal of Midwifery, November 2023 31(11), pp. 646-651 [\[ABSTRACT\]](#)

The effectiveness of aromatherapy in the management of labor pain: A meta-analysis [OPEN ACCESS]

Kaya, Atike et al, European Journal of Obstetrics & Gynecology and Reproductive Biology, December 2023 20, pp. 100255 [\[ABSTRACT\]](#)

New & Updated Cochrane Reviews

Pregnancy & Childbirth:

Perceptions and experiences of the prevention, detection, and management of postpartum haemorrhage: a qualitative evidence synthesis

Shahinoor Akter; Gillian Forbes; Martha Vazquez Corona; Suellen Miller; Fernando Althabe; Ari Coomarasamy et al

Reproductive & Sexual Health:

Antibiotics prior to or at the time of embryo transfer in ART

Devini Ameratunga; Anusch Yazdani; Ben Kroon

National Institute for Health Research Alerts:

[Pregnancy complications increase the risk of heart attacks and stroke in women with high blood pressure](#)

High blood pressure increases the risk of diseases of the heart and blood vessels (cardiovascular disease). New research suggests that, for women with high blood pressure, having a pregnancy complication (such as early birth) further increases their risk of cardiovascular disease in future.

[Prevention of cervical cancer: what are the risks and benefits of different treatments?](#)

Surgeons use different procedures to remove abnormal cells in the cervix and treat early cervical cancer. These treatments effectively reduce the risk that cancer will develop and spread, but they carry a risk of premature birth in future pregnancies. New research ranked the success and risks of different surgical treatments.

[Cervical cancer: women with HPV may benefit from intense screening](#)

Cancers of the cervix are nearly always caused by human papillomavirus (HPV). New research suggests that women who test positive for HPV could benefit from more frequent screening for cervical cancer.

Cochrane Clinical Answers:

- [How do forceps compare with vacuum cup for improving outcomes in assisted vaginal birth?](#)
- [How do different vacuum cups compare for improving outcomes in assisted vaginal birth?](#)
- [What are the effects of timed intercourse for couples trying to conceive?](#)

Practice Guidelines & Consensus:

[Intrahepatic cholestasis of pregnancy - Diagnosis and management: A consensus statement of the Society of Obstetric Medicine of Australia and New Zealand \(SOMANZ\): Executive summary](#) [OPEN ACCESS]

Hague, W. M et al, Australian and New Zealand Journal of Obstetrics and Gynaecology, October 2023 63(5), pp. 656-665 [\[ABSTRACT\]](#)

[Management of preterm labor: Clinical practice guideline and recommendation by the WAPM-World Association of Perinatal Medicine and the PMF-Perinatal Medicine Foundation](#)

Dagklis, T et al, European Journal of Obstetrics and Gynecology and Reproductive Biology, 10 October 2023 291, pp. 196-205 [\[ABSTRACT\]](#)

[Guideline No. 443b: Opioid Use Throughout Women's Lifespan: Opioid Use in Pregnancy and Breastfeeding](#)

Turner, Suzanne et al, Journal of Obstetrics & Gynaecology Canada: JOGC, November 2023 45(11), pp. 102144 [\[ABSTRACT\]](#)

Viral Hepatitis in Pregnancy: ACOG Clinical Practice Guideline No. 6. [NHS OPENATHENS LOGIN REQUIRED]
Obstetrics & Gynecology, 1 September 2023 142(3), pp. 745-759 [[ABSTRACT](#)]

Management of Premenstrual Disorders: ACOG Clinical Practice Guideline No.7 [NHS OPENATHENS LOGIN REQUIRED]
Obstetrics & Gynecology, December 2023 142(6), pp. 1516-1533 [[ABSTRACT](#)]

2022 Chinese guideline for the management of pregnancy and reproduction in systemic lupus erythematosus [OPEN ACCESS]
Tian, Xinping; Zhao, Jiuliang; Song, Yijun; Wang, Qian; Li, Mengtao; Liu, Juntao and Zeng, Xiaofeng,
Rheumatology & Immunology Research, September 2023 4(3), pp. 115-138 [[ABSTRACT](#)]

News, Briefings & Reports:

News:

More work needed to tackle 'shocking' racial pregnancy outcomes – report – BBC (29 November)

CBT can help with a range of menopausal symptoms, says NICE – BMJ (17 November)

Woman is awarded £1m after consent form for vaginal mesh surgery was altered – BMJ (15 November)

NHS England says it will eliminate cervical cancer by 2040 – BMJ (15 November)

Bereaved families call for England-wide maternity care inquiry – BBC (31 October)

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

Covid-19 in pregnant patients: Nirmatrelvir/ritonavir may be associated with increased risk of preeclampsia, but not with preterm birth or chorioamnionitis in pregnant patients with mild-to-moderate COVID-19 ([Obstet Gynecol 2023 Nov 14 early online](#))

Hysteroscopy: Addition of virtual reality headset to standard care does not reduce pain but might reduce anxiety in adults ≤ 70 years old having outpatient hysteroscopy ([BJOG 2023 Nov](#))

Nausea and vomiting in pregnancy: Addition of watermelon to nutritional advice at discharge may reduce weight loss and severity of nausea and vomiting at 2 weeks in adults hospitalized for hyperemesis gravidarum ([BMC Pregnancy Childbirth 2023 Jun 17](#))

Placental abruption: Preterm birth, cesarean birth, small for gestational age, and preeclampsia in first pregnancy associated with increased risk of placental abruption in subsequent pregnancy in patients without a history of placental abruption ([Int J Gynaecol Obstet 2023 May](#))

Postpartum haemorrhage: Calcium chloride IV after umbilical cord clamping might reduce risk of postpartum hemorrhage in patients having cesarean delivery after receiving oxytocin infusion for labor induction or augmentation ([Obstet Gynecol 2023 Nov 3 early online](#))

Surgical management of pelvic organ prolapse: reducing insufflation pressure to 12 mm Hg may reduce postoperative pain and opioid use in patients with pelvic organ prolapse having robotic-assisted sacrocolpopexy ([Obstet Gynecol 2023 Jul 1](#))

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