

Maternity, Obstetrics & Gynaecology Evidence Update July 2023

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NICE

National Institute for
Health and Care Excellence

Most recent guidance published or updated:

[Olaparib for maintenance treatment of relapsed, platinum-sensitive ovarian, fallopian tube or peritoneal cancer after 2 or more courses of platinum-based chemotherapy TA908](#)

Other Guidance/Reports

No new guidance



Systematic Reviews and Research Protocols

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

[Interventions affecting the nitric oxide pathway versus placebo or no therapy for fetal growth restriction in pregnancy](#)

[Pegylated liposomal doxorubicin for relapsed epithelial ovarian cancer](#)

[Statins for women with polycystic ovary syndrome not actively trying to conceive](#)

[Surgery for women with apical vaginal prolapse](#)

Reviews from other sources

[Amnioinfusion vs. standard management for the second trimester PPRM: a systematic review and meta-analysis of observational studies and RCTs](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Artificial intelligence in obstetric ultrasound: A scoping review](#)
Prenatal Diagnosis

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[Atypical eclampsia in a normotensive patient with altered mental status and severely elevated transaminases: Case report and review](#)
International Journal of Gynecology & Obstetrics

[Diagnostic value of platelet to lymphocyte ratio in preeclampsia: a systematic review and meta-analysis](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Double- versus single-balloon catheter for induction of labor: Systematic review and individual participant data meta-analysis](#)
Acta Obstetrica et Gynecologica Scandinavica

[Effect of levothyroxine on the pregnancy outcomes in recurrent pregnancy loss women with subclinical hypothyroidism and thyroperoxidase antibody positivity: a systematic review and meta-analysis](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Effects of acupuncture on pregnancy outcomes in women undergoing in vitro fertilization: an updated systematic review and meta-analysis](#)
Archives of Gynecology and Obstetrics

[Effects of the combination of exercise and education in the treatment of low back and/or pelvic pain in pregnant women: Systematic review and meta-analysis](#)
International Journal of Gynecology & Obstetrics

[Effectiveness of treatment options for tubal ectopic pregnancy: A systematic review and network meta-analysis](#)
BJOG

[Estimated fetal weight standards of the INTERGROWTH-21st project for the prediction of adverse outcomes: a systematic review with meta-analysis](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Health-seeking behaviours of pregnant adolescents: a scoping review](#)
British Journal of Midwifery

[Identification and treatment of iron-deficiency anemia in pregnancy and postpartum: A systematic review and quality appraisal of guidelines using AGREE II](#)
International Journal of Gynecology & Obstetrics

[Iron supplements in pregnant women with normal iron status: A systematic review and meta-analysis](#)
Acta Obstetrica et Gynecologica Scandinavica

[Level of agreement between midwives and obstetricians performing ultrasound examination during labor](#)
International Journal of Gynecology & Obstetrics

[Managing couples with recurrent miscarriage: A narrative review and practice recommendations](#)
International Journal of Gynecology & Obstetrics

[Maternal diet and interactions with nutritional evaluation during pregnancy](#)
International Journal of Gynecology & Obstetrics

[Neovagina creation methods in Müllerian anomalies and risk of malignancy: insights from a systematic review](#)
Archives of Gynecology and Obstetrics

[New insights into the interaction between polycystic ovary syndrome and psychiatric disorders: A narrative review](#)
International Journal of Gynecology & Obstetrics

[Oral nifedipine versus intravenous labetalol for hypertensive emergencies during pregnancy: a systematic review and meta-analysis](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Prenatal diagnosis and postnatal outcome of type III vasa previa: systematic review of literature](#)

Ultrasound in Obstetrics & Gynecology

[Primary endodermal sinus tumor originating from the sacral ligament: a case report and review of the literature](#)

BMC Pregnancy and Childbirth

[Quality-of-life improvements in patients after various surgical treatments for pelvic organ prolapse](#)

Archives of Gynecology and Obstetrics

[Risk factors for adverse outcomes in twin pregnancies: a narrative review](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Risk factors for pelvic organ prolapse recurrence following colpocleisis: A meta-analysis](#)

International Journal of Gynecology & Obstetrics

[Selective fetal growth restriction in dichorionic diamniotic twin pregnancies: systematic review and meta-analysis of maternal and perinatal outcomes](#)

Ultrasound in Obstetrics & Gynecology

[sFlt-1/PIGF ratio as a predictor of pregnancy outcomes in twin pregnancies: a systematic review](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[The efficacy and safety of 25 µg or 50 µg oral misoprostol versus 25 µg vaginal misoprostol given at 4- or 6-hourly intervals for induction of labour in women at or beyond term with live singleton pregnancies: A systematic review and meta-analysis](#)

International Journal of Gynecology & Obstetrics

[The risk of developing gestational diabetes mellitus in maternal subclinical hypothyroidism: a systematic review and meta-analysis](#)

Archives of Gynecology and Obstetrics

[The role of L1CAM as predictor of poor prognosis in stage I endometrial cancer: a systematic review and meta-analysis](#)

Archives of Gynecology and Obstetrics

[The therapeutic effects of rFSH versus uFSH/uHMG on ovarian stimulation in women undergoing assisted reproductive technology: a meta-analysis of randomized controlled trials](#)

Archives of Gynecology and Obstetrics

[Uncharted territory: a narrative review of parental involvement in decision-making about late preterm and early term delivery](#)

BMC Pregnancy and Childbirth

[Urological complications in women undergoing surgery for placenta accreta spectrum disorders: systematic review and meta-analysis](#)

Ultrasound in Obstetrics & Gynecology

[Uterine cervical stenosis: from classification to advances in management. Overcoming the obstacles to access the uterine cavity](#)

Archives of Gynecology and Obstetrics

This month's clinical questions are...

Can antenatal supplementation with myo-inositol during pregnancy improve outcomes in women at risk of gestational diabetes?

Primary Research

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Gynaecology

A qualitative exploration of gynaecological healthcare experiences of lesbian, gay, bisexual, transgender, queer people assigned female at birth

ANZOG

Analgesic effects of LI4 acupuncture during intrauterine device insertion: a randomized controlled clinical trial

Archives of Gynecology and Obstetrics

Changes in bowel symptoms after different pelvic organ prolapse surgeries among elderly women at the 1-year follow up

International Journal of Gynecology & Obstetrics

Dienogest alone or dienogest combined with estrogens in the treatment of ovarian endometriomas, that is the question. A retrospective cohort study

Archives of Gynecology and Obstetrics

Evolving trends in the surgical therapy of patients with endometrial cancer in Germany: analysis of a nationwide registry with special emphasis on perioperative outcomes

Archives of Gynecology and Obstetrics

Feasibility and safety of a surgical training program in total laparoscopic hysterectomy: Results of a pilot trial

ANZOG

High prevalence of HPV16 and high-grade cytology in women undergoing active surveillance for cervical intraepithelial neoplasia grade 2

Acta Obstetrica et Gynecologica Scandinavica

Maternal androgen excess increases the risk of metabolic syndrome in female offspring in their later life: A long-term population-based follow-up study

Archives of Gynecology and Obstetrics

Mechanisms of peripheral sensitization in endometriosis patients with peritoneal lesions and acyclical pain

Archives of Gynecology and Obstetrics

Menopause and stress urinary incontinence: The risk factors of stress urinary incontinence in perimenopausal and postmenopausal women

Journal of Obstetrics and Gynaecology Research

Myomectomy in adult women of reproductive age: a propensity score-matched study for pregnancy rates

Archives of Gynecology and Obstetrics

[Outcomes of cesarean myomectomy via trans-endometrial approach in women with single intramural fibroid in the posterior uterine wall](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Testing for viral DNA integration among HPV-positive women to detect cervical precancer: An observational cohort study](#)

BJOG

[The appendix in endometriosis](#)

ANZOG

[The effect of concomitant hysterectomy on complications following pelvic organ prolapse surgery](#)

Archives of Gynecology and Obstetrics

[The learning curve of introduced robotic-assisted hysterectomy versus skilled laparoscopic hysterectomy for benign gynecologic diseases](#)

Journal of Obstetrics and Gynaecology Research

[The number of prior pregnancy losses does not impact euploidy rates in young patients with idiopathic recurrent pregnancy loss](#)

Archives of Gynecology and Obstetrics

[Urinary incontinence more than 15 years after premenopausal risk-reducing salpingo-oophorectomy: a multicentre cross-sectional study](#)

BJOG

Maternity/Obstetrics

[Adrenocortical pheochromocytoma diagnosed during pregnancy: a case report](#)

BMC Pregnancy and Childbirth

[Adverse outcomes of nonnuchal umbilical cord entanglement](#)

International Journal of Gynecology & Obstetrics

[Anthropometrics of neonates born to mothers with PCOS with metformin or placebo exposure in utero](#)

Acta Obstetrica et Gynecologica Scandinavica

[Aspirin delays the onset of hypertensive disorders of pregnancy among nulliparous pregnant women: A secondary analysis of the ASPIRIN trial](#)

BJOG

[Assessment of D-dimer levels in pregnant women diagnosed with COVID-19: A case-control study](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Association between platelet counts and clinical outcomes in acute fatty liver of pregnancy: A retrospective cohort study](#)

International Journal of Gynecology & Obstetrics

[Being pregnant and becoming a parent during the COVID-19 pandemic: a longitudinal qualitative study with women in the Born in Bradford COVID-19 research study](#)

BMC Pregnancy and Childbirth

[Can we predict peritoneal adhesions formation after cesarean delivery?](#)

International Journal of Gynecology & Obstetrics

[Cervical sliding sign at second trimester in the prediction of early preterm birth in twin pregnancy](#)

International Journal of Gynecology & Obstetrics

[Changes of gut mycobiota in the third trimester of pregnant women with preeclampsia](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Conservative management of complete fetal expulsion into the abdominal cavity after silent uterine rupture - case report](#)
BMC Pregnancy and Childbirth

[Comparison of fetal safety of vaginal Misoprostol tablet and Dinoprostone gel for induction of labor: An open-label randomized control trial](#)
Journal of Obstetrics and Gynaecology Research

[Controlled prospective study on ultrasound simulation training in fetal echocardiography: FESIM II](#)
Archives of Gynecology and Obstetrics

[Definition, management, and training in impacted fetal head at cesarean birth: a national survey of maternity professionals](#)
Acta Obstetrica et Gynecologica Scandinavica

[Do antenatal preparation and obstetric complications and procedures interact to affect birth experience and postnatal mental health?](#)
BMC Pregnancy and Childbirth

[Effect of intrapartum epidural analgesia on emergency delivery rates for fetal compromise: nationwide retrospective cohort study](#)
Ultrasound in Obstetrics & Gynecology

[Effective prevention of post-dural puncture headache with insertion of an intrathecal catheter in parturients: a retrospective study and meta-analysis](#)
Journal of Anesthesia, Analgesia and Critical Care

[Effects of a prenatal mindfulness program on longitudinal changes in stress, anxiety, depression, and mother–infant bonding of women with a tendency to perinatal mood and anxiety disorder: a randomized controlled trial](#)
BMC Pregnancy and Childbirth

[Effects of transfusing older red blood cells and platelets on obstetric patient outcomes: A retrospective cohort study](#)
International Journal of Gynecology & Obstetrics

[Establishment of a nomogram model to predict the risk of macrosomia in patients with gestational diabetes mellitus](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[First trimester maternal plasma proteomic changes predictive of spontaneous moderate/late preterm delivery](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[First trimester screening for pre-eclampsia and targeted aspirin prophylaxis: a cost-effectiveness cohort study](#)
BJOG

[Hyperemesis gravidarum: Associations with personal and family history of nausea](#)
Acta Obstetrica et Gynecologica Scandinavica

[Identifying discrepancies between clinical practice and evidence-based guideline in recurrent pregnancy loss care, a tool for clinical guideline implementation](#)
BMC Pregnancy and Childbirth

[Induction of labor in twin pregnancy in patients with a previous cesarean delivery](#)
BMC Pregnancy and Childbirth

[Inflammatory cytokines in maternal serum between women with threatened miscarriage and normal pregnancy](#)

International Journal of Gynecology & Obstetrics

[Intra-amniotic and systemic administration of methotrexate with concomitant surgical evacuation of 11 + 5 weeks cervical ectopic pregnancy: a case report](#)

BMC Pregnancy and Childbirth

[Is maternal serum endocan level a novel marker in gestational diabetes mellitus?](#)

Journal of Obstetrics and Gynaecology Research

[Lessons learned in implementing the Low Birthweight Infant Feeding Exploration study: A large, multi-site observational study](#)

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[Longitudinal assessment of spiral and uterine arteries in normal pregnancies using novel ultrasound tools](#)

Ultrasound in Obstetrics & Gynecology

[Is epidural analgesia an independent risk factor for OASIS? A population-based cohort study](#)

Archives of Gynecology and Obstetrics

[Maternal and fetal outcomes in a retrospective cohort of obstetrical patients that used an insulin pump paired with a continuous glucose monitor](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Maternal melatonin levels and temporal dietary intake: results from MY-CARE cohort study](#)

BMC Pregnancy and Childbirth

[Maternal weight and paediatric health use: mediating role of adverse birth outcomes: a retrospective cohort study](#)

BMC Pregnancy and Childbirth

[Max's legacy: an evaluation of the impacts of baby loss on staff and families](#)

British Journal of Midwifery

[Mental health, sleep quality, and hormonal circadian rhythms in pregnant women with threatened preterm labor: a prospective observational study](#)

BMC Pregnancy and Childbirth

[Natural history of endometriosis in pregnancy: ultrasound study of morphology of deep endometriosis and ovarian endometrioma](#)

Ultrasound in Obstetrics & Gynecology

[New medicines for spontaneous preterm birth prevention and preterm labour management: landscape analysis of the medicine development pipeline](#)

BMC Pregnancy and Childbirth

[Non-invasive cell-free DNA prenatal screening for trisomy 21 as part of primary screening strategy in twin pregnancies](#)

Ultrasound in Obstetrics & Gynecology

[Perinatal outcomes after therapeutic rest in the latent phase of labor: A cohort study](#)

Acta Obstetrica et Gynecologica Scandinavica

[Perinatal outcomes of babies predicted to be large-for-gestational age by universal third-trimester ultrasound in non-diabetic pregnancies](#)

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[Plasminogen activator inhibitor-2 and impaired fibrinolysis in pregnancy and sickle cell anemia](#)

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[Post-dural puncture headache combined with pneumocephalus secondary to vaginal delivery following epidural anesthesia: a case report](#)
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[Pregestational maternal risk factors for preterm and term preeclampsia: A population-based cohort study](#)
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[Pregnancy and placental outcomes according to maternal BMI in women with preeclampsia: a retrospective cohort study](#)
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[Pregnancy loss following miscarriage and termination of pregnancy for medical reasons during the COVID-19 pandemic: a thematic analysis of women's experiences of healthcare on the island of Ireland](#)
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[Pregnancy outcomes and disease phenotype of hypertensive disorders of pregnancy in singleton pregnancies after in vitro fertilization: a retrospective analysis of 1130 cases](#)
BMC Pregnancy and Childbirth

[Pregnancy, parturition and postpartum considerations among patients with vulvar lichen sclerosis: A retrospective cross-sectional online survey](#)
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[Prophylactic resuscitative endovascular balloon occlusion of the aorta use during cesarean hysterectomy for placenta accreta spectrum: a retrospective cohort study](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Risk and protective factors for pregnancy-related urinary incontinence until 1 year postpartum: A cohort study using patient-reported outcome measures in Italy](#)
International Journal of Gynecology & Obstetrics

[Role of necroptosis and immune infiltration in preeclampsia: novel insights from bioinformatics analyses](#)
BMC Pregnancy and Childbirth

[Routine first-trimester pre-eclampsia screening and maternal left ventricular geometry](#)
Ultrasound in Obstetrics & Gynecology

[Screening for pre-eclampsia by maternal serum glycosylated fibronectin at 11–13 weeks' gestation](#)
Ultrasound in Obstetrics & Gynecology

[Second trimester abnormal uterine artery Dopplers and adverse obstetric and neonatal outcomes when PAPP-a is normal](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[Spontaneous massive fetomaternal hemorrhage: two case reports and a literature review of placental pathology](#)
BMC Pregnancy and Childbirth

[The effect of birth ball exercise on labor pain, delivery duration, birth comfort, and birth satisfaction: a randomized controlled study](#)
Archives of Gynecology and Obstetrics

[The joint effect of gestational diabetes mellitus and hypertension contribute to higher risk of diabetes mellitus after delivery: a nationwide population-based study](#)
BMC Pregnancy and Childbirth

[The relationship between maternal thyroid volume, TSH levels, and Healthy Eating Index scores in BMI-matched pregnant women with hyperemesis gravidarum](#)
The Journal of Maternal-Fetal & Neonatal Medicine

[The role of family history of preterm delivery in the individual risk of spontaneous preterm delivery: a case–control study](#)
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[The role of haptoglobin in the diagnosis of preeclampsia and HELLP syndrome and in predicting neonatal outcomes](#)
Journal of Obstetrics and Gynaecology Research

[Transversus abdominis plane block improves postoperative recovery following cesarean delivery under general anesthesia: A propensity score matched retrospective cohort study](#)
International Journal of Gynecology & Obstetrics

[Ultrasound examination of the pelvic floor during active labor: A longitudinal cohort study](#)
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[Unknown rheumatic cardiac disease as cause of acute onset post-partum dyspnea: a case report](#)
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[Use of epidural analgesia and emergency delivery for fetal compromise: *post-hoc* analysis of the RAVEL study, multicenter randomized controlled trial](#)
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[Vaginal morphology and position associated with prolapse recurrence after vaginal surgery: A secondary analysis of the DEMAND study](#)
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[Visual biofeedback for shortening the second stage of labor: randomized controlled trial](#)
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[Women's experiences accessing continuity of care in Ireland: a qualitative study](#)
British Journal of Midwifery

BMJ Best Practice

- **07 Jul 2023** Topic: [Pelvic inflammatory disease](#)

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[BestBETs](#) - BETs bring the evidence one step closer to the bedside, by providing answers to very specific clinical problems, using the best available evidence.

[BNF](#) – British National Formulary

[Royal College of Midwives](#) – clinical practice and guidelines (members only access)

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Midwifery	MIDRS
