**Obstetrics & Gynaecology Evidence Update**

(December 2020)

**Systematic Reviews & Meta Analyses:**

**Family history and risk of miscarriage: A systematic review and meta-analysis of observational studies** [NHS OPENATHENS LOGIN REQUIRED]
Woolner, Andrea M F; Nagdeve, Priti; Raja, Edwin-Amalraj; Bhattacharya, Siladitya; Bhattacharya, Sohinee; Acta obstetricia et gynecologica Scandinavica; Dec 2020; vol. 99 (no. 12); p. 1584-1594 [ABSTRACT]

**Why can't I exercise during pregnancy? Time to revisit medical 'absolute' and 'relative' contraindications: systematic review of evidence of harm and a call to action** [NHS OPENATHENS LOGIN REQUIRED]
Meah, Victoria L; Davies, Gregory A; Davenport, Margie H; : British journal of sports medicine; Dec 2020; vol. 54 (no. 23); p. 1395-1404 [ABSTRACT]

**Validation and development of models using clinical, biochemical and ultrasound markers for predicting pre-eclampsia: an individual participant data meta-analysis**
Allotey J et al; Health technology assessment (Winchester, England); Dec 2020; vol. 24 (no. 72); p. 1-252 [ABSTRACT]

**Induction of labour at 41 weeks or expectant management until 42 weeks: A systematic review and an individual participant data meta-analysis of randomised trials** [OPEN ACCESS]
Alkmark, Mårten; Keulen, Judit K J; Kortekaas, Joep C; Bergh, Christina; van Dillen, Jeroen; Duijnhoven, Ruben G; Hagberg, Henrik; Mol, Ben Willem; Molin, Mattias; van der Post, Joris A M; Saltvedt, Sissel; Wikström, Anna-Karin; Wennerholm, Ulla-Britt; de Miranda, Esteriek; PLoS medicine; Dec 2020; vol. 17 (no. 12); p. e1003436 [ABSTRACT]

**Biomarkers and the Prediction of Adverse Outcomes in Preeclampsia: A Systematic Review and Meta-analysis** [NHS OPENATHENS LOGIN REQUIRED]
Lim, Sean; Li, Wentao; Kemper, Jessica; Nguyen, Andrew; Mol, Ben Willem; Reddy, Maya
Obstetrics and gynecology; Dec 2020 [ABSTRACT]

**Obstetric Ultrasound:**

**How often do we incidentally find a fetal abnormality at the routine third-trimester growth scan? A population-based study**
Drukker L; Cavallaro A; Salim I; Ioannou C; Impey L; Papageorghiou AT; American journal of obstetrics and gynecology; 2020; vol. 223 (no. 6); p. 919.e1-919.e13 [ABSTRACT]
**Midwifery:**

Active warming after caesarean section to prevent neonatal hypothermia: a systematic review [NHS OPENATHENS LOGIN REQUIRED]
Vilinsky-Redmond; Brenner, Maria; Nugent, Linda; McCann, Margaret; British Journal of Midwifery; Dec 2020; vol. 28 (no. 12); p. 829-837 [ABSTRACT]

Can augmentation with oxytocin be 'too much, too soon'? [NHS OPENATHENS LOGIN REQUIRED]
Norton; Hudson, Traci; British Journal of Midwifery; Dec 2020; vol. 28 (no. 12); p. 814-820 [ABSTRACT]

Reduced length of hospital stay after caesarean section: A systematic review examining women's experiences and psychosocial outcomes [AVAILABLE IN THE LIBRARY]
Digenis; Salter, Amy; Cusack, Lynette; Koch, Ashlee; Turnbull, Deborah; Midwifery; Dec 2020; vol. 91 [ABSTRACT]

**High Impact Journals:**

Vaginal compared with intramuscular progestogen for preventing preterm birth in high-risk pregnant women (VICTORIA study): a multicentre, open-label randomised trial and meta-analysis [NHS OPENATHENS LOGIN REQUIRED]
Choi, S-J; Kwak, D W; Kil, K; Kim, S-C; Kwon, J-Y; Kim, Y H; Na, S; Bae, J-G; Cha, H-H; Shim, J-Y; Oh, K Y; Lee, K A; Kim, S M; Cho, I A; Lee, S M; Cho, G J; Jo, Y S; Choi, G Y; Choi, S K; Hur, S E; Hwang, H S; Kim, Y J; from The Preterm Birth Research Committee of the Korean Society of Maternal Fetal Medicine
BJOG: an international journal of obstetrics and gynaecology; Dec 2020; vol. 127 (no. 13); p. 1646-1654 [ABSTRACT]

Safety of oral fluconazole in early pregnancy [NHS OPENATHENS LOGIN REQUIRED]
Drug and therapeutics bulletin; Dec 2020 [ABSTRACT]
COVID-19 (Novel Coronavirus)

Rasmussen, Sonja A; Kelley, Colleen F; Horton, John P; Jamieson, Denise J’ Obstetrics and gynecology; Dec 2020 [ABSTRACT]

Clinical characteristics and outcomes of pregnant women with COVID-19 and the risk of vertical transmission: a systematic review [OPEN ACCESS]
Chi, Jianhua; Gong, Wenjian; Gao, Qinglei; Archives of gynecology and obstetrics; Dec 2020 [ABSTRACT]

Clinical Presentation of Coronavirus Disease 2019 (COVID-19) in Pregnant and Recently Pregnant People [OPEN ACCESS]
Afshar, Yalda; Gaw, Stephanie L; Flaherman, Valerie J; Chambers, Britanny D; Krakow, Deborah; Berghella, Vincenzo; Shamshirsaz, Alireza A; Boatin, Adeline A; Aldrovandi, Grace; Greiner, Andrea; Riley, Laura; Boscardin, W John; Jamieson, Denise J; Jacoby, Vanessa L; Obstetrics and gynecology; Dec 2020; vol. 136 (no. 6); p. 1117-1125 [ABSTRACT]

New & Updated Cochrane Systematic Reviews:

Pregnancy & Childbirth:

Antenatal interventions for preventing stillbirth, fetal loss and perinatal death: an overview of Cochrane Systematic Reviews
Erika Ota; Katharina da Silva Lpes
Phillipa Middleton; Vicki Flenady; Windy MV Wariki; Md. Obaidur Rahman; Ruoyan Yobe-Gai; Rintaro Mori

Antenatal corticosteroids for preventing stillbirth, fetal loss and perinatal death: an overview of Cochrane systematic reviews
Emma McGoldrick; Fiona Steward; Roses Parker; Stuart D Dalziel

Antenatal corticosteroids for accelerating fetal lung maturation for women at risk of preterm birth
Emma McGoldrick; Fiona Stewart; Roses Parker; Stuart R Dalziel

Interventions for leg cramps during pregnancy
Li Luo; Kunyan Zhou; Jing Zhang; Liangzhi Xu’ Weiyao Yin

Multiprofessional simulation-based team training in obstetric emergencies for improving patient outcomes and trainees performance
Annemarie F Fransen; Joost de Ven; Frankyke R Banga; Ben Willem J Moi; S Guid Oei

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Gynaecology:

Metformin treatment before and during IVF or ICSI in women with polycystic ovary syndrome
Leopoldo O Tso; Michael F Costello; Luiz Eduardo T Albuquerque; Regis B Andriolo; Cristiane R Macedo

Cochrane Clinical Answers

For women with perineal trauma sustained during childbirth, does and ice pack or cold gel pad alleviate pain?

For women with tubal disease due to undergo in vitro fertilization (IVF), how do surgical treatments compare?

What are the effects of Zidovudine for reducing the risk of mother-to-child transmission of HIV?

What are the effects of telephone support for women during pregnancy and the first six weeks postpartum?

Practice Guidelines:

Supporting women and their partners through prenatal screening for Down’s Syndrome, Edward’s Syndrome and Patau’s Syndrome – RCOG Consensus Statement

COVID-19:

COVID-19 Vaccination: women of childbearing age, currently pregnant, planning a pregnancy or breastfeeding - PHE
**News, Briefings & Reports:**

Ockenden Report: Independent review of maternity services at the Shrewsbury and Telford NHS Trust – Donna Ockenden

Maternal, newborn and infant clinical outcome review programme – perinatal surveillance report 2018 – HQIP

MBBRACE-UK perinatal mortality surveillance report: UK perinatal deaths for birth from January to December 2018 – MBBRACE- UK

Provisional births in England and Wales 2020 – ONS

Supporting midwives to address the needs of women experiencing severe and multiple disadvantage – RCM

**COVID-19:**

The safety of COVID-19 vaccines when given in pregnancy - PHE

Should pregnant and breastfeeding women be offered the COVID-19 vaccination? (RCM Briefing) – RCM

COVID-19 vaccination and pregnancy - RCOG

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

Bipolar disorder in pregnancy: lithium exposure in pregnancy may be associated with increased fetal growth and decreased gestational duration compared with no lithium exposure in patients with singleton pregnancies (J Psychopharmacol 2020 Jul)

Lithium exposure during pregnancy may be associated with increased risk of spontaneous abortion, any congenital anomaly, and cardiac anomaly compared with no exposure (Am J Psychiatry 2020 Jan)

Lithium use in pregnancy may be associated with increased risk of miscarriage compared to no lithium use in pregnancy in patients with bipolar disorder I (J Clin Med 2020 Jun)

Bright light therapy and dim red light therapy appear similar for improvement of depressive symptoms in pregnancy (BMJ Open 2020 Oct)

Breastfeeding: Cold cabbage leaves might reduce breast pain and increase patient satisfaction compared to usual care and cold packs in women who breastfeed (Cochrane Database Syst Rev 2020 Sep 18)

Breech Presentation: IV anesthesia during ECV may increase procedural success but may not reduce cesarean delivery in women with noncephalic presenting singleton fetus (Anesth Analg 2020 Dec)


Ectopic pregnancy: randomized trials and cohort studies comparing salpingectomy to salpingotomy have conflicting evidence regarding subsequent intrauterine pregnancy and repeat ectopic pregnancy in women with tubal ectopic pregnancy (J Minim Invasive Gynecol 2020 Oct 24 early online)

Hysteroscopy: Addition of virtual reality intervention to standard care might reduce pain and anxiety during outpatient hysteroscopy (BJOG 2020 Jun 23 early online)

Postpartum depression: EPDS with cutoff ≥ 11 points may have moderate sensitivity and specificity for detecting major depression in pregnant and postpartum women (BMJ 2020 Nov 11)

Postpartum haemorrhage: IV oxytocin in third stage of labor reduces risk of blood transfusion and may reduce postpartum hemorrhage compared to intramuscular oxytocin in women having vaginal births (Cochrane Database Syst Rev 2020 Nov 9)

Venous Thromboembolism in pregnancy: a review of diagnosis and treatment of venous thromboembolism (VTE) in pregnancy (J Am Coll Cardiol 2020 Nov 3)

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