Maternity, Obstetrics & Gynaecology
Evidence Update
February 2019
Produced by the Clinical Librarian Service

The Clinical Librarian team are here to help with evidence searches, current awareness and training with information seeking skills, critical appraisal and referencing. We can assist you remotely, at your place of work or in the library at the QuAD Centre.

If you have any further enquiries please do not hesitate to get in touch.

You can contact us by email at Clinical.Librarian@porthosp.nhs.uk or call extension 6042.

Alternatively you can contact one of the team directly:
Rebecca.Howes@porthosp.nhs.uk
Aaron.Razack@porthosp.nhs.uk

The Clinical Librarian team endeavours to find as much of the latest evidence in your clinical area as possible, however make no claim as to the exhaustive nature of the update.

For more specific areas of interest within MOG we would recommend a literature search or KnowledgeShare bulletin.

Click here to start search (Intranet only)
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Or via OpenAthens

Would you like your own, tailored evidence updates? Email the Clinical Librarian team to receive bulletins every two weeks on the topics of your choice.

To access resources click on the blue hyperlinks, if you are unable to read the full text of any item please contact the Clinical Librarian team or make an article request using this form.
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### Most recent guidance published:

- **Antenatal care for uncomplicated pregnancies [CG62]** – updated February 2019
- **Sexual health [QS178]** – first published February 2019

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### Other Guidance/Reports

- **Brexit: the implications for health and social care: Updated report**
  
  Kings Fund

- **NHS Outcomes Framework Indicators - February 2019 Release**
  
  NHS Digital

- **Professional use monitor/defibrillator: LIFEPAK 15 – risk of device failure during patient treatment and possible failure to deliver therapy**
  
  MHRA

- **New research for CQC shows people regret not raising concerns about their care – but those who do raise concerns see improvements**
  
  CQC

- **HIV in pregnancy: Identification of intrapartum and perinatal HIV exposures**
  
  Canadian Paediatric Society

- **Guidelines for the Provision of Emergency Anaesthesia 2019**
  
  Royal College of Anaesthetists
Antibiotic treatment for newborns with congenital syphilis

Active versus expectant management for women in the third stage of labour

Desmopressin acetate (DDAVP) for preventing and treating acute bleeds during pregnancy in women with congenital bleeding disorders

Combined hormonal contraceptives for heavy menstrual bleeding

Interventions for intra-operative pain relief during postpartum mini-laparotomy tubal ligation

Antibiotic treatment for newborns with congenital syphilis

Nerve-sparing radical hysterectomy compared to standard radical hysterectomy for women with early stage cervical cancer (stage Ia2 to Ia)

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Systematic reviews from other sources

The effectiveness of tubal flushing with different contrast media on fertility outcomes: a systematic review and network meta-analysis.
Ultrasound in Obstetrics & Gynecology

Pregnancy outcomes following quinolone and fluoroquinolone exposure during pregnancy: A systematic review and meta-analysis.
Reproductive Toxicology

Letrozole versus laparoscopic ovarian drilling in clomiphene citrate-resistant women with polycystic ovary syndrome: a systematic review and meta-analysis of randomized controlled trials.
Reproductive Biology and Endocrinology

The role of recombinant LH in women with hypo-response to controlled ovarian stimulation: a systematic review and meta-analysis.
Reproductive Biology and Endocrinology

Induction of labor at full-term in pregnant women with uncomplicated singleton pregnancy: a systematic review and meta-analysis of randomized trials.
Acta Obstetricia et Gynecologica Scandinavica

Management of women with atypical polypoid adenomyoma of the uterus: a quantitative systematic review.
Acta Obstetricia et Gynecologica Scandinavica

Reported Outcomes in Perinatal Iron Deficiency Anemia Trials: A Systematic Review.
Gynecologic and Obstetric Investigation
Prevalence and main outcomes of placenta accreta spectrum: a systematic review and metaanalysis.
American Journal of Obstetrics and Gynecology

JAMA

Systematic Review of Topical Hemostatic Agent Use in Minimally Invasive Gynecologic Surgery.
Journal of the Society of Laparoendoscopic Surgeons

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**Primary Research**

**Signal: Delaying pushing in labour has no benefit for women with an epidural and/or spinal for pain relief**
NIHR

*Uterotonic drugs for preventing postpartum haemorrhage: new evidence*
Evidently Cochrane

*Postpartum psychosis and management: a case study*
British Journal of Midwifery

*Use of technology in simulation training in midwifery*
British Journal of Midwifery

*Australian men’s experiences of support following pregnancy loss: A qualitative study*
Midwifery

*Gestational Weight Gain and Severe Maternal Morbidity at Delivery Hospitalization*
Obstetrics & Gynecology

*Pessary Compared With Vaginal Progesterone for the Prevention of Preterm Birth in Women With Twin Pregnancies and Cervical Length Less Than 38 mm: A Randomized Controlled Trial*
Obstetrics & Gynecology

*Sexual function and depressive symptoms in young women with overt hyperthyroidism*
European Journal of Obstetrics & Gynecology

*Use of metformin to treat pregnant women with polycystic ovary syndrome (PregMet2): a randomised, double-blind, placebo-controlled trial*
The Lancet Diabetes & Endocrinology

*Associations between low- and high-dose oral fluconazole and pregnancy outcomes: 3 nested case–control studies*
Canadian Medical Association Journal

*Hyperglycemia and Adverse Pregnancy Outcome Follow-up Study (HAPO FUS): Maternal Gestational Diabetes Mellitus and Childhood Glucose Metabolism*
Diabetes Care
Psychotherapy for the prevention of perinatal depression (February 2019)
Depressive disorders during pregnancy and the postpartum period are common. For women who are at increased risk of developing perinatal depression, such as those with a past history of depression, the US Preventive Services Task Force recently recommended prophylactic psychotherapy [1]. In a meta-analysis of 14 trials in more than 1400 pregnant or postpartum women at increased risk of perinatal depression, the task force found that psychotherapy compared with usual care reduced onset of unipolar major or minor depression [2]. For women at risk of developing postpartum depression, we also suggest cognitive-behavioral therapy or interpersonal psychotherapy; however, if psychotherapy is not available, reasonable alternatives are an antidepressant after the first trimester or watchful waiting. (See "Postpartum unipolar depression: Prevention", section on ‘Psychotherapy’.)

Predictive value of fetal ultrasound in Zika virus infection (February 2019)
Fetal ultrasound is used to screen for congenital Zika virus infection (ZIKV); however, its predictive value for adverse neonatal outcome is not well established. In a prospective study of over 90 mother-infant pairs in Brazil with PCR-confirmed maternal ZIKV primarily in the first and second trimesters, only about 50 percent of neonates with an adverse outcome had abnormal findings on fetal ultrasonography [3]. This suggests that a normal fetal ultrasound has limited ability to provide reassurance of a normal neonatal outcome in this setting. However, study limitations, such as the short interval between maternal symptoms and ultrasound examination in some patients and design bias, also need to be considered. (See "Zika virus infection: Evaluation and management of pregnant women", section on ‘Fetal ultrasonography’.)

Topic: Hormonal replacement therapy (HRT) and venous thromboembolism
Summary: oral conjugated equine estrogen plus medroxyprogesterone acetate or norgestrel associated with increased likelihood of venous thromboembolism (BMJ 2019 Jan 9)

Topic: Routine prenatal care
Summary: IV and oral iron in pregnant women with iron-deficiency anemia associated with similar risk of blood transfusion, but IV iron may increase maternal hemoglobin and ferritin and neonatal ferritin at delivery (J Perinatol 2019 Jan 28 early online)

Topic: Postmenopausal bleeding
Summary: saline infusion hysterosonography may have moderate sensitivity to detect endometrial polyps in women with postmenopausal bleeding (Ultrasound Obstet Gynecol 2019 Jan 28)

Topic: Treatment of infertility in women
Summary: endometrial scratching by pipelle biopsy may not increase live birth rate in women having IVF (N Engl J Med 2019 Jan 24)
**Topic:** Inadvertent perioperative hypothermia  
**Summary:** addition of preoperative forced air warming to IV fluid warming may not reduce decline in maternal body temperature in healthy women having elective cesarean delivery (Anesth Analg 2018 Jan)

**Topic:** Hysterosalpingography and saline infusion sonohysterography  
**Summary:** saline infusion sonohysteroscopy and hysterosalpingography associated with similar clinical pregnancy rates among infertile women with polycystic ovary syndrome having evaluation for tubal patency before treatment with letrozole or clomiphene citrate (J Assist Reprod Genet 2018 Sep 7)

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**Maternity, Obstetrics & Gynaecology in the News**

**Future midwife consultation**  
The Nursing and Midwifery Council has launched a consultation on the overhaul of midwifery education.

**Framework for maternity support services**  
Women and their babies will have access to improved support and safer care thanks to a new resource launched today by Health Education England (HEE).

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**Online Resources**

- **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
- **NHS Choices** - Behind the Headlines – the latest newspaper headlines debunked.
- **Royal College of Midwives** – clinical practice and guidelines (members only access)
- **The Royal Marsden Manual of Clinical Procedures** – available via your Athens login

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**Journals & table of contents alerts**

The Clinical Librarian team can help set up table of content alerts to the journal of your choice.

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