

Short Curriculum Vitae August 2023

Personal details

Title: Dr

Name: Rachel Collis

Institution: University Hospital of Wales

Department: Anaesthetics

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Current job held: Consultant obstetric anaesthetist

Qualifications: MB MS MSc FRCA

Work history:

I have been a consultant anaesthetist with a special interest in obstetric anaesthesia at the University Hospital of Wales, Cardiff since January 1997. Prior to this I was a specialist trainee in London.

I have a special interest in obstetric anaesthesia especially the management of the high risk parturient. I have led on multiple research projects, quality improvement initiatives including the outcomes of post-partum haemorrhage (PPH) and the early recognition and treatment of maternal sepsis.

I have led and support a large number of multi-professional research projects and quality improvement initiatives in maternity settings.

I lecture on the management of post-partum haemorrhage across the UK and internationally. I regularly contribute to conferences organised by The Royal College of Anaesthetists, UK and The Obstetric Anaesthetists Association, UK.

Recent Publications:

I am an international leader in postpartum haemorrhage (PPH) research. These are my recent and most relevant publications

Acute obstetric coagulopathy during postpartum hemorrhage is caused by hyperfibrinolysis and dysfibrinogenemia: an observational cohort study. de Lloyd L, Jenkins PV, Bell SF et al. *Thromb Haemost.* 2023 Apr;21(4):862-879. doi: 10.1016/j.jtha.2022.11.036

What is the Economic Cost of Providing an All Wales Postpartum Haemorrhage Quality Improvement Initiative (OBS Cymru)? A Cost-Consequences Comparison with Standard Care. Dale M, Bell SF, O'Connell S et al. *Pharmacoecon Open.* 2022 Sep 6. doi: 10.1007/s41669-022-00362-2.

A description of the coagulopathy characteristics in amniotic fluid embolism: a case report. Oliver C, Freyer J, Murdoch M et al. *Int J Obstet Anesth.* 2022 Jun 30:103573. doi: 10.1016/j.ijoa.2022.103573.

Utility of viscoelastography with TEG 6s to direct management of haemostasis during obstetric haemorrhage: a prospective observational study. Roberts TCD, De Lloyd L, Bell SF et al. *Int J Obstet Anesth.* 2021 May 25;47:103192. doi: 10.1016/j.ijoa.2021.103192

The sensitivity and specificity of rotational thromboelastometry (ROTEM) to detect coagulopathy during moderate and severe postpartum haemorrhage: a prospective observational study. Bell SF, Roberts TCD, Freyer Martins Pereira J et al. *Int J Obstet Anesth.* 2022 Feb;49:103238. doi: 10.1016/j.ijoa.2021.103238.

The incidence, aetiology, and coagulation management of massive postpartum haemorrhage: a two-year national prospective cohort study. Bell SF, Collis RE, Bailey C et al. *Int J Obstet Anesth.* 2021 Mar 26:102983. doi: 10.1016/j.ijoa.2021.102983

Reduction in massive postpartum haemorrhage and red blood cell transfusion during a national quality improvement project, Obstetric Bleeding Strategy for Wales, OBS Cymru: an observational study. Bell SF, Collis RE, Pallmann P et al. *BMC Pregnancy Childbirth.* 2021 May 15;21(1):377

Designing and implementing an all Wales postpartum haemorrhage quality improvement project: OBS Cymru (the Obstetric Bleeding Strategy for Wales). Bell SF, Kitchen T, John M et al. *BMJ Open Qual.* 2020 Apr;9(2):e000854. doi: 10.1136/bmjoc-2019-000854.

Incidence of postpartum haemorrhage defined by quantitative blood loss measurement: a national cohort. Bell SF, Watkins A, John M, Macgillivray E et al. *BMC Pregnancy Childbirth.* 2020 May 6;20(1):271.

Viscoelastometry guided fresh frozen plasma infusion for postpartum haemorrhage: OBS2, an observational study. Collins PW, Cannings-John R, Bruynseels D et al. OBS2 study collaborators. *Br J Anaesth.* 2017 Sep 1;119(3):422-434

Viscoelastometric-guided early fibrinogen concentrate replacement during postpartum haemorrhage: OBS2, a double-blind randomized controlled trial. Collins PW, Cannings-John R, Bruynseels D et al. *Br J Anaesth.* 2017 Sep 1;119(3):411-421

Measurement of blood loss during postpartum haemorrhage. G. Lilley, D. Burkett-st-Laurent, E. Precious et al. *Int J Obstet Anesth.* 2015 Feb;24(1):8-14

Fibrin-based clot formation as an early and rapid biomarker for progression of postpartum hemorrhage: a prospective study. Collins PW, Lilley G, Bruynseels D et al. *Blood.* 2014 Sep 11;124(11):1727-36.

Standard haemostatic tests following major obstetric haemorrhage. de Lloyd L, Bovington R, Kaye A et al. *Int J Obstet Anesth.* 2011 Apr;20(2):135-412.