

BIOGRAPHICAL SKETCH

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NAME Butwick, Alexander, James	POSITION TITLE Assistant Professor in Anesthesia		
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Stanford University	M.S.	12/11	Epidemiology
St. Georges Hospital Medical School, UK	M.B.B.S.	01/97	(MD equivalent) Medicine
Royal Surrey County and Hemel Hempstead Hospitals, UK	Internship	02/98	Medicine and Surgery
Fellow of Royal College of Anaesthetists, UK	F.R.C.A.	07/03	Anesthesiology
Stanford University Medical Center	Fellowship	12/05	Obstetric Anesthesiology
St. George's Hospital, London, UK	Residency	08/06	Anesthesiology

Position and Honors

Positions and Employment:

1997-1998 Internship in General Medicine and Surgery: Royal Surrey County Hospital, UK; Hemel Hempstead Hospital, UK.
1998 Senior House Officer in Department of Accident and Emergency, Heartlands Hospital, Birmingham, UK.
1998-9 Senior House Officer in Medicine for the Elderly, Worthing Hospital, UK
1999-2001 Senior House Officer in Anesthesia, South Coast Rotation, Brighton, UK
2001-2002 Research Fellow in Anesthesia, King Edward VII Hospital, UK
2002-2006 Specialist Registrar in Anesthesia, St. George's Hospital, London, UK
2004-2005 Fellowship in Obstetric Anesthesiology, Stanford University School of Medicine, Stanford, CA
2006-2012 Instructor in Anesthesia, Stanford University School of Medicine, Stanford, CA.
2012-Present Assistant Professor in Anesthesia, Stanford University School of Medicine, Stanford, CA

Other Experience and Professional Memberships:

1999-2011 Member, Royal College of Anaesthetists, UK
2004- Member, American Society of Anesthesiologists
2004- Member, Society of Obstetric Anesthesia and Perinatology
2004- Member, California Society of Anesthesiologists
2008- Ad Hoc Reviewer: International Journal of Obstetric Anesthesia
2009- Ad Hoc Reviewer: Anesthesia and Analgesia
2010- Ad Hoc Reviewer: The Journal of Obstetrics and Gynaecology Research
2011- Ad Hoc Reviewer: British Journal of Anaesthesia
2011- Ad Hoc Reviewer: BJOG
2012- Ad Hoc Reviewer: Anesthesiology
2012- Ad Hoc Reviewer: European Journal of Obstetrics & Gynecology and Reproductive Biology
2012- Member of Editorial Board: International Journal of Obstetric Anesthesia

Honors/Awards:

2002 First Prize – Southern Society/South East Society of Anaesthetists Combined Winter Meeting: Best Research Paper, UK.

- 2006 First Prize - Oral presentation (Gertie Marx Symposium: Junior Researcher Award): Society of Obstetric Anesthesia & Perinatology, USA.
- 2006 First Prize - Oral presentation (Junior Researcher Award): Obstetric Anaesthetists Association, UK
- 2006 Iris F. Litt Award, Michelle R. Clayman Institute for Gender Research, Stanford University
- 2008 Faculty award for Teaching Excellence; Department of Anesthesia, Stanford University, Stanford, CA
- 2011 Outstanding Interdepartmental Faculty Professor Award from the Department of Obstetrics and Gynecology, Stanford University School of Medicine.
- 2012 Gerard W. Ostheimer Lecturer, Keynote lecture, Annual Meeting of the Society of Obstetric Anesthesia and Perinatology, USA.

Peer-reviewed Publications: Selected from 38 publications; 1 publication in-press

1. I. Volikas, **A. Butwick**, C. Wilkinson, A. Fleming, G. Nicholson. Maternal and neonatal side effects of remifentanyl patient-controlled analgesia in labour. *British Journal of Anesthesia* 2005; 95: 504-9.
2. **A. Butwick**, B. Carvalho. The effects of crystalloid and colloid preload on coagulation in pregnant patients prior to elective cesarean delivery using thromboelastography. *Canadian Journal of Anesthesia* 2007; 54: 190-5.
3. **A.J. Butwick**, B. Carvalho. Can we improve maternal outcome for high-risk obstetric patients? *International Journal of Obstetric Anesthesia*; 2007; 16: 311-3.
4. **A. Butwick**, S. Lipman, B. Carvalho. Intraoperative forced air warming during cesarean delivery under spinal anesthesia. *Anesthesia and Analgesia* 2007: 105; 1413-9.
5. **A. Butwick**, P. Aleshi, M. Fontaine, E.T. Riley, L.T. Goodnough. Retrospective analysis of transfusion outcomes in pregnant patients in a tertiary obstetric center. *International Journal of Obstetric Anesthesia* 2009; 18: 302-8.
6. **A.J. Butwick**, L. Coleman, S. E. Cohen, E. T. Riley, B. Carvalho. Minimum effective bolus dose of oxytocin during elective Caesarean delivery. *British Journal of Anaesthesia* 2010; 104: 338–43.
7. **A.J. Butwick**, B. Carvalho. Anticoagulant and antithrombotic drugs in pregnancy: what are the anesthetic implications for neuraxial anesthesia? [State of the Art paper]. *Journal of Perinatology* 2011; 31: 73-84.
8. **A.J. Butwick**, V. Ting, L. Atkinson-Ralls, S. Harter, E.T. Riley. The association between thromboelastographic parameters and total estimated blood loss in patients undergoing elective cesarean delivery. *Anesthesia and Analgesia* 2011; 112: 1041-7.
9. R.A. Dyer, **A.J. Butwick**, B. Carvalho. Oxytocin for labor and delivery; implications for the anesthesiologist. *Current Opinion in Anesthesiology* 2011: 24: 255-61.
10. **A.J. Butwick**, G. Hilton, E.T. Riley, B. Carvalho. Non-invasive measurement of hemoglobin during cesarean hysterectomy: a case series. *International Journal of Obstetric Anesthesia* 2011; 20: 240-5.
11. **A. J. Butwick**, S. Harter. In vitro investigation of the coagulation effects of exogenous oxytocin using thromboelastography in healthy parturients. *Anesthesia and Analgesia*. 2011; 113: 323-6.
12. L.T. Goodnough, K. Daniels, A.E. Wong, M. Viele, M.F. Fontaine, **A.J. Butwick**. How we treat: transfusion medicine support of obstetric services. *Transfusion* 2011; 51: 2540-8.
13. **A. Butwick**, G. Hilton, B. Carvalho. Non-invasive haemoglobin measurement in patients undergoing elective Caesarean section. *British Journal of Anaesthesia* 2012; 108: 271-7.

14. **A. Butwick.** What's new in obstetric anesthesia in 2011? Reducing maternal adverse outcomes and improving obstetric anesthesia quality of care. *Anesthesia and Analgesia*. 2012; 115:1137-45.

15. **A. J. Butwick.** Postpartum hemorrhage and low fibrinogen levels: the past, present and future [Editorial]. *International Journal of Obstetric Anesthesia*. 2013 Mar 5 [epub ahead of print]

Research Support

Ongoing Support

PA-11-194

01/01/13-12/31/17

NIH/ NICHD K23-HD070972

The proposed research aims to identify predictors for severe postpartum hemorrhage (PPH) and postpartum anemia in obstetric patient cohorts undergoing Cesarean delivery using institutional data (Stanford University) and region-wide data (Kaiser Permanente Medical Care Program), and will assess the costs, benefits and harms of intravenous iron vs. oral iron therapies for the treatment of postpartum anemia. Scientific knowledge gained from this research will be used to advance preventative and therapeutic strategies for reducing rates of PPH and postpartum anemia.

PI = Butwick

Completed Support

Departmental Resources Grant,
Department of Anesthesia, Stanford University

01/08/08-12/01/10

Hemostasis and Cesarean delivery

The goal of this project was to assess the association between coagulation changes and total estimated blood loss that occurs in patients during planned (elective) Cesarean delivery using thromboelastography, which is a point-of-care device used to assess viscoelastic properties of clot formation.

PI = Butwick

Industry Grant,
Masimo Corporation, Irvine, California.

01/08/10 – 01/08/11

Non-invasive measurement of hemoglobin during elective Cesarean delivery.

The goals of this project were to assess the accuracy and precision of non-invasive Hb values (SpHb) as well as longitudinal peri- and post-operative trends in SpHb, measured by multi-wavelength photoplethysmography, in healthy patients undergoing elective Cesarean delivery.

PI = Butwick