

CURRICULUM VITAE

Patrick O' Brien

24th August 2005

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PERSONAL DETAILS**NAME:** Patrick James O'BRIEN**DATE OF BIRTH:** 30 January 1964**FIRST LANGUAGE:** English**ACADEMIC QUALIFICATIONS:** M.B., B.Ch., B.A.O. University College Cork (1987)
M.R.C.O.G. (1994)
M.F.F.P. (1995)**MARITAL STATUS:** Married; my wife is Egyptian – an obstetrician too!
No children – where would we find the time?!**GENERAL MEDICAL COUNCIL****REGISTRATION NUMBER:** 3307384**MEDICAL DEFENCE UNION****REGISTRATION NUMBER:** 223696C**CERTIFICATE OF COMPLETED** April 1999**SPECIALIST TRAINING:****EDUCATION****School****1976 - 1978** Christian Brothers School, Limerick**1978 - 1981** Presentation Brothers College, Cork**Qualifications** Intermediate Certificate 1979

Leaving Certificate 1981

University Matriculation Exam 1981

University College Cork Entrance Scholarship Exam 1981

Results Achieved

1. Maximum points in Leaving Certificate/Matriculation Exam
2. University College Cork Entrance Scholarship
3. Gold Medal for Leaving Certificate Maths (1st in Cork city and county)

University

1981 - 1987

University College Cork, Ireland

Qualifications

M.B., B.Ch., B.A.O.

Postgraduate

1994

M.R.C.O.G.

1995

M.F.F.P.

CURRENT POST

Consultant in Obstetrics and Gynaecology,
Department of Obstetrics and Gynaecology
University College London Hospitals
London

Areas of Interest

High risk obstetrics
Ante- and Intra-partum fetal monitoring
Labour Ward management
Misoprostol in Obstetrics

PREVIOUS POSTS**Specialist Registrar (Year 5)**

April 1998 - March 1999

University College Hospital

(Mr. R. Ogle, Miss M. Davies)

Specialist Registrar (Year 4)

April 1997 - March 1998

Basildon General Hospital

(Mr. R. Varma, Mr. C. Welch)

Specialist Registrar (Year 3)

October 1996 - March 1997

University College Hospital

(Mr. J. Kingdom, Miss M. Davies)

Research Fellow

April 1995 - September 1996

University College London

(Supervisors: Mr. J. Wyatt, Mr. J. Kingdom)

Registrar

in Obstetrics and Gynaecology

October 1994 - March 1995

University College Hospital

(Mr. Pugh, Mr. Siverstone)

Registrar

in Obstetrics and Gynaecology

October 1993 - September 1994

Rush Green Hospital

(Miss U. Rao, Miss. Utidjian)

Registrar

in Obstetrics and Gynaecology

February 1993 - September 1993

Whittington Hospital

(Mr. Dutt, Miss. Morgan)

Senior House Officer

in Obstetrics

August 1992 - January 1993

Royal Free Hospital

(Mr. Chapman, Prof. McClean)

Senior House Officer

in Obstetrics and Gynaecology
March 1991 - July 1992

Watford General Hospital
(Mr. B.V. Lewis, Mr. D.R. Griffin,
Mr. R.J. Sheridan)

Senior House Officer

in Psychiatry
October 1990 - February 1991

Watford General Hospital
(Dr. D. Terry)

Senior House Officer

in Paediatrics
April 1990 - September 1990

Watford General Hospital
(Dr. G. Supramanian)

Senior House Officer

in Obstetrics and Gynaecology
October 1989 - March 1990

Watford General Hospital
(Mr. B.V. Lewis, Mr. R.H. Tipton,
Mr. D.R. Griffin)

Senior House Officer

in Casualty
May 1989 - September 1989

Watford General Hospital
(Mr. R.P. McKenney)

Pre-Registration House Physician

August 1988 - January 1989

South Cleveland Hospital
(Mr F.C.Walker)

Pre-Registration House Surgeon

February 1988 - July 1988

Middlesbrough General Hospital
(Dr P. McCormack, Dr S.K. Ghosh)

RESEARCH

Three main areas of research:

1. Intrapartum fetal monitoring with Near Infrared Spectroscopy (NIRS)

NIRS involves the use of infrared light to interrogate human tissue. It has been used to measure concentrations of oxy- and deoxy-haemoglobin in various tissues, including brain. We at UCLH devised a method of monitoring fetal cerebral oxygenation during labour. The results of my research are encouraging, and the work is ongoing.

2. The use of misoprostol in obstetrics

We pioneered the use of misoprostol for the routine management of the Third Stage of labour, publishing our results in the British Journal of Obstetrics and Gynaecology. These results were so exciting that they prompted the World Health Organisation to organise the Misoprostol Third Stage Trial, a large multinational randomised trial (the largest ever randomised trial in Obstetrics and Gynaecology). This trial is drawing to a close. Our own randomised trial is due to be published shortly in the British Journal of Obstetrics and Gynaecology.

We have also published a study of rectal misoprostol for the management of intractable postpartum haemorrhage.

We are also completing a trial examining the use of misoprostol during Caesarean Section.

3. The use of ultrasound on the Labour Ward

A 2-year Research Fellow has just started working with me on the Labour Ward at UCLH. We will pursue a variety of research projects aimed at improving labour ward care through the use of ultrasound.

TEACHING/LECTURING EXPERIENCE

Date	Details
12/5/95	University College Hospital, London Perinatal Society Meeting. Title: 'Near infra-red spectroscopy: principles and application to intrapartum fetal monitoring.'
26/5/95	Forum on non-invasive monitoring techniques. University College London Department of Medical Physics and Bioengineering. Title: 'Intrapartum fetal monitoring with near infrared spectroscopy.'
4/7/95	3rd. International Symposium on Intrapartum Surveillance, Dublin. Title: 'Fetal scalp pH, umbilical artery pH, Apgar scores and mean cerebral oxygen saturation measured by near infrared spectroscopy (NIRS).'
5/9/95	5th. International Conference on Fetal & Neonatal Physiological Measurement, Keele University, Stoke-on-Trent. Title: 'Scalp pH and mean cerebral oxygen saturation (SmcO ₂) measured by near infrared spectroscopy.'
8/3/96	Meeting of the Blair-Bell Research Society, RCOG, London. Title: Intrapartum fetal cerebral oxygenation measured using Intensity Modulated Optical Spectrometry (IMOS). (Winner best presentation)

4/10/96	<p>Meeting of the Blair-Bell Research Society, Liverpool Women's Hospital.</p> <p>Title: The Misoprostol Third Stage Study: an oral prostaglandin analogue for routine management of the third stage of labour.</p> <p>(Winner best presentation)</p>
30/11/96	<p>Seventh Annual Scientific Meeting of The Junior Obstetrics & Gynaecology Society of Ireland, The Coombe Women's Hospital, Dublin.</p> <p>Title: The Misoprostol Third Stage Study: an oral prostaglandin analogue for routine management of the third stage of labour.</p> <p>(Winner of John Strong medal for best presentation)</p>
1998 to present day	<p>Fetal Heart Rate Study Days</p> <p>I set up and run these one day courses at the Institute of Child Health, London. They are held three times a year and attract 200 people (doctors, midwives and lawyers) to each day. This is one of the biggest of these courses in the UK. I also periodically run the course at selected hospitals around the country. I have also taken this course abroad to Ireland, India and Australia.</p>
2001 to present day	<p>Medical Problems on the Delivery Suite</p> <p>A one day course, held twice a year in the UK.</p>

NATIONAL AND INTERNATIONAL RESPONSIBILITIES

1. Institute for Women's Health, London: Chair of the International Division.
 2. Obstetric Spokesperson for the Royal College of Obstetrics & Gynaecology, UK.
 3. Reviewer for Cochrane Database.
 4. Member of NICE (National Institute for Clinical Excellence) Guideline Development group.
 5. Reviewer for the International Journal of Obstetrics & Gynaecology.
 6. Examiner for the DRCOG examination (Diploma of the Royal College of Obstetrics & Gynaecology).
 7. Contracted to BBC Television (British Broadcasting Corporation) as Obstetric Advisor.
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PUBLICATIONS

1. O' Brien P.J., Bower S. The case for substituting amniocentesis with chorionic villus sampling. *Advances in Obstetrics and Gynaecology* 1996;**11**:10-15.
 2. Montemagno R., Soothill P.W., Scarcelli M., O'Brien P., Rodeck C. Detection of alloimmune thrombocytopenia as a cause of isolated hydrocephalus by fetal blood sampling (letter) *Lancet* 1994;**343**:1300-1301
 3. O'Brien P.J., Lawrence S.M., Aldrich C.J., D'Antona D., Wyatt J.S. Fetal scalp pH, umbilical artery pH, Apgar scores and mean cerebral oxygen saturation measured by near infrared spectroscopy (NIRS). *Proceedings of the 3rd. International Symposium on Intrapartum Surveillance.* 1995; Section 7:4.
 4. Morrison J.J., Perera D.M.D., O' Brien P.J., Marshall I., Rodeck C.H Effects of nitric oxide (NO) substrate, NO donor compounds and NO synthase inhibitors on contractions of isolated human pregnant myometrium (abstract) *Br. J. Obstet. Gynaecol.* 1996; 103: 483-4.
 5. O' Brien P.J., Bower S, Morrison J., *et al.* Doctors who smoke (letter). *BMJ* 1995;**311**: 945.
 6. Morrison J.J., O' Brien P.J. Standing at work and preterm delivery (letter) *Br. J. Obstet. Gynaecol.* 1995; **102**:936-937.
 7. O'Brien P.J., Lawrence S.M., Wyatt J.S., Delpy D. Fetal near infrared spectroscopy (abstract) in: Report of the Near Infrared Spectroscopy European Union Concerted Action Group (in press).
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8. O'Brien P.J., Lawrence S.M., Kohl M., Watson R., Delpy D., Wyatt J.S. Intrapartum fetal cerebral oxygenation measured using Intensity Modulated Optical Spectrometry (IMOS). (abstract) *Br. J. Obstet. Gynaecol.* 1996; 103: 1166.
 9. O'Brien P.J., Lawrence S.M., Watson R., Kohl M., Wyatt J.S, Delpy D. Intrapartum fetal cerebral near infrared spectroscopy: apparent change in oxygenation demonstrated in a non viable fetus. *Br. J. Obstet. Gynaecol.* 1996; 103: 1053-4.
 10. El-Refaey H., O'Brien P., Morafa W., Walder J., Rodeck C.H. The Misoprostol Third Stage Trial: an oral prostaglandin analogue for routine management of the third stage of labour (letter) *Lancet* 1996; **347**: 1257.
 11. El-Refaey H., O'Brien P., Morafa W., Walder J., Rodeck C.H. The Misoprostol Third Stage Study: an oral prostaglandin analogue for routine management of the third stage of labour (abstract) *Br. J. Obstet. Gynaecol.* 1997; 104: 636.
 12. El-Refaey H., O'Brien P., Morafa W., Walder J., Rodeck C.H. Use of oral misoprostol in the prevention of postpartum hemorrhage. *Br J Obstet Gynaecol* 1997; 104:336-9.
 13. O'Brien P. A new method for measuring menstrual blood loss and its use in screening women before endometrial ablation (letter). *Br J Obstet Gynaecol.* 1997; 104: 510.
 14. O'Brien P., El-Refaey H. The management of the third stage of labour with misoprostol in low risk women. *Contemporary Reviews in Obstetrics and Gynecology.* 1997; 3: 27-32.
 15. O'Brien P., El-Refaey H, Gordon A., Geary M., Rodeck CH. Rectally administered misoprostol for the treatment of postpartum hemorrhage unresponsive to oxytocin and ergometrine: a descriptive study. *Obstetrics and Gynecology.* 1998; 92: 212-214.
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16. D'Antona D, Aldrich CJ, O'Brien P.J., Lawrence S.M., Delpy D., Wyatt J.S. Recent advances in fetal Near Infrared Spectroscopy. *J Biomed Optics*. 1997; 2(1): 15-21.
 17. O'Brien P., Peebles DM. Near Infrared Spectroscopy. In: Rodeck CH, Whittle M (ed.s). *Fetal Medicine: Basic Science and Clinical Practice*. Churchill Livingstone, London. 1999: 1005-16.
 18. Giannopoulos T, O'Brien P., Varma R. Successful delivery of monoamniotic triplets. *Br J Obstet Gynaecol*. 2001; 108: 892-894.
 19. O'Brien P., Lokugamage AU, Guillebaud J, Rodeck CH. Use of misoprostol in third stage of labour (letter). *Lancet* 2002; 359: 707.
 20. O'Brien P., de Swiet M. Heart disease in pregnancy. *Medicine*. 2002; 30(7): 195-8.
 21. Gyampoh B, Crouch N, O'Brien P., O'Sullivan C, Cutner AS. Intrapartum ultrasound estimation of total bladder volume. *Br J Obstet Gynaecol* (in press).
 22. Lokugamage AU, O'Brien P, Visvanathan SDK. Complications Occurring During Labor that Affect the Fetus. In Guha (Ed): *Neonatology - Principles and Practice 3rd ed.* New Delhi, India. Jaypee Brothers, 2005.
 23. O'Brien P, Lokugamage AU. Pre-Labor Rupture Of Membranes (Term and Preterm). In Guha (Ed): *Neonatology - Principles and Practice 3rd ed.* New Delhi, India. Jaypee Brothers, 2005.
 24. E. Peregrine, P. O'Brien & E. Jauniaux. Ultrasound detection of Nuchal Cord prior to Labor Induction and the risk of Cesarean Section. *Ultrasound Obstet Gynecol* 2005; 25: 160-164
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Editing

1. Saunders P. Your Pregnancy Month-by-Month. Hodder & Stoughton, London 2004.
(Contributing editor)

In Preparation

Perinatal book editing

PRIZES

<u>March 1996</u>	Blair Bell Research Society: Prize for Best Oral Presentation <i>Intrapartum measurement of fetal cerebral oxygenation using an intensity modulated optical spectrometer to correct for pathlength changes</i>
<u>October 1996</u>	Blair Bell Research Society: Prize for Best Oral Presentation <i>The Misoprostol Third Stage Trial: an oral prostaglandin analogue for routine management of the third stage of labour</i>
<u>November 1996</u>	Junior Obstetrics & Gynaecology Society, Ireland: Prize for Best Oral Presentation (John Strong gold medal) <i>The use of the oral prostaglandin analogue misoprostol for routine management of the third stage of labour</i>

EXTRA-MURAL ACTIVITIES

I enjoy all types of sport, especially football, rugby, swimming and squash.

I love travel; I have visited nearly every European country, Dubai, Oman, Egypt, India, Thailand, Hong Kong, Malaysia, Africa and the US. However, there are many more I haven't visited, and I can't wait!

I enjoy good food (particularly Thai, Indian and Chinese) and wine.

I enjoy the theatre, and this is one of the many reasons I love living in London.

REFEREES

- 1). Professor C.H.Rodeck, D.Sc., FRCOG,
Department of Obstetrics & Gynaecology,
Chenies Mews,
London.

 - 2). Mr. A.C. Silverstone, FRCS, FRCOG,
Department of Obstetrics & Gynaecology,
Obstetric Hospital,
University College Hospital,
Huntley Street,
London.

 - 3). Miss S. Creighton, MD, MRCOG,
Clinical Director,
Department of Obstetrics & Gynaecology,
Obstetric Hospital,
University College Hospital,
Huntley Street,
London.
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