

# Perinatal Medicine 2008 Programme

## MONDAY 2 JUNE 2008

- 14.30–16.30 Registration  
 16.30–16.45 Welcome address — Auditorium  
 Professor Alan Cameron, *President, British Maternal & Fetal Medicine Society*

### Session 1 (Auditorium): Neonatal Young Investigator Presentations

**Chairs:** Professor Andrew Whitelaw, *President Neonatal Society*  
 Miss Tina Pollard, *Chair, Neonatal Nurses Association*

- 16.45–17.10 NNA Draeger Scholarship Award Presentation  
 Managing the infant with necrotising enterocolitis post surgery, in preparation for transfer to the local hospital or to home  
 Mrs Anne Aspin, *Nurse Consultant Neonatal Surgery, Leeds General Infirmary*
- 17.10–17.50 NNS Young Investigator Presentation  
 The influence of birth weight and genotype on adipose tissue development: long term consequences for later obesity  
 Dr Alison Mostyn, *Lecturer in Biological Sciences, School of Nursing, Nottingham University*

### Session 2 (Auditorium): The BAPM Founders' Lecture

**Chair:** Professor Neil Marlow, *President, British Association of Perinatal Medicine*

- 18.00–19.00 Placental insufficiency — will it be preventable by 2010?  
 Professor John Kingdom, *Professor of Obstetrics & Gynaecology, Mount Sinai Hospital, Toronto, Canada*
- 19.00–20.00 Welcome reception — Harrogate International Centre Exhibition Hall

## TUESDAY 3 JUNE 2008

- 08.00–08.30 Registration

### Session 3 (Auditorium): The Tizard Lecture

**Chairs:** Professor Howard Clark, *Southampton*  
 Mr Tim Overton, *Bristol*

- 08.30–09.30 Lung surfactant: protecting alveolar stability and sterility  
 Professor Sam Hawgood, *Professor of Pediatrics, University of California, San Francisco, USA*
- 09.30–10.00 The sequelae of assisted reproduction techniques  
 Professor Siladitya Bhattacharya, *Professor in Reproductive Medicine, Aberdeen Maternity Hospital, Aberdeen, UK*
- 10.00–10.30 *Coffee, exhibition and poster viewing* — Exhibition Hall

### Session 4: Parallel Sessions

10.30–12.30

Session 4A	Session 4B	Session 4C
BMFMS: Fetal Medicine (Auditorium)	BAPM/NNS: Brain (Queen's Suite A)	NNA: Postive Parenting (Queen's Suite B)

### Abbreviations

BAPM	British Association of Perinatal Medicine	NNA	Neonatal Nurses Association
NNS	Neonatal Society	BMFMS	British Maternal & Fetal Medicine Society

**Session 4A (Auditorium)**

**BMFMS: Fetal Medicine**

**Chairs:** Dr Gerald Mason, *Leeds*  
Dr Bill Martin, *Birmingham*

- 10.30–11.15 Genetic imprinting  
Professor Mark Hughes  
*Director, Genesis Genetics Institute; Director, Applied Genomics Technology Centre, Detroit, USA*
- 11.15–11.25 Local delivery of vascular endothelial growth factor adenovirus to the uterine artery increases vasorelaxation and blood flow to the pregnant sheep uterus long term  
K Abi Nader *et al*  
Abstract 4.1
- 11.25–11.35 Amniocentesis for soft markers: a 6-year review 2000–95  
EM Knox *et al*  
Abstract 4.2
- 11.35–11.45 Fetal troponin-T and pro-brain natriuretic peptide in fetuses of mothers with type 1 diabetic  
N Russell *et al*  
Abstract 4.3
- 11.45–11.55 Three-stage contingency screening for Down's syndrome: the Stafford pilot  
J Gardosi *et al*  
Abstract 4.4
- 11.55–12.05 DNA microarrays in the investigation of abnormal antenatal ultrasound: a prospective pilot study  
KE Cohen *et al*  
Abstract 4.5
- 12.05–12.15 Gastroschisis in the United Kingdom: a prospective national study of prevalence, management and outcomes using obstetric, paediatric surgical and congenital anomaly reporting systems  
M Knight  
Abstract 4.6

**Session 4B (Queen's Suite A)**

**BAPM/NNS: Brain**

**Chair:** Dr Anoo Jain, *Bristol*

- 10.30–10.45 Neonatal resuscitation and childhood cognitive outcomes  
DE Odd *et al*  
Abstract 4.7
- 10.45–11.00 Extremely preterm children at 11 years: how do they fare at school?  
S Johnson *et al*  
Abstract 4.8
- 11.00–11.15 Pattern and timing of brain injury on admission scans assessed using cranial ultrasound in infants with neonatal encephalopathy compared with low-risk infants in Mulago University Hospital, Kampala, Uganda  
CF Hagmann *et al*  
Abstract 4.9
- 11.15–11.30 Proton magnetic resonance spectroscopy and the fetal brain in normally grown and growth-restricted fetuses  
L Story *et al*  
Abstract 4.10
- 11.30–11.45 Treatment with cooling following perinatal asphyxia: preliminary data from the UK Toby Cooling Register  
BW Strohm *et al*  
Abstract 4.11
- 11.45–12.00 A randomised pilot feasibility study of therapeutic hypothermia for neonatal encephalopathy in a low-resource setting in equatorial Africa  
NJ Robertson *et al*  
Abstract 4.12
- 12.00–12.30 Neuroprotection after hypothermia  
Professor Pierre Gressens, *Consultant in Paediatric Neurology, Robert Debre Hospital, Paris, France*

**Session 4C (Queen's Suite B)**

**NNA: Postive Parenting**

**Chairs:** Mrs Sarah Kent, *Northampton*  
Mrs Dee Beresford, *Nottingham*

- 10.30–11.05 Parenting programme – development care: a UK vision  
Mrs Chrissie Israel, *Developmental Care Specialist Nurse, Southmead Hospital, Bristol*; Ms Jane Abbott, *Head Of Innovation Bliss, London*; Dr Ezam Matali, *Consultant Neonatologist, Northwick Park Hospital, Harrow*
- 11.15–12.15 How many mountains can they climb?  
Mr Ian Woodroffe, *Counsellor Psychological Support Neonatal Services, Addenbrookes Hospital, Cambridge*
- 12.15–12.30 A critical incident reporting system and an analysis of critical incidents in a level 3 neonatal intensive care unit  
JA Foy *et al*  
Abstract 4.13
- 12.30–14.00 *Lunch, exhibition and poster viewing* — Exhibition Hall
- 13.00–14.00 Lunchtime neonatal poster walks — Level 5
- 13.00–13.50 Lunchtime meet the experts sessions:  
**A. Big mums and big babies (Queen's Suite A)**  
Dr Siohban Quenby (Liverpool) & Dr Tracey Johnston (Birmingham)  
**B. Shoulder dystocia (Conference Suite)**  
Dr Tim Draycott (Bristol) & Dr Mike Geary (Dublin, Ireland)  
**C. Genetics – new techniques for the 21<sup>st</sup> century (Queen's Suite B)**  
Professor Mark Hughes (Detroit, USA)  
**D. Fetal & long term consequences of ventriculomegaly (Auditorium)**  
Dr Stephen Sturgiss (Newcastle Upon Tyne) & Miss Maria Cartmill (Nottingham)

**Session 5 (Auditorium): Fetal Growth Restriction**

**Chairs:** Professor Steve Robson, *Newcastle Upon Tyne*  
Dr Helen Budge, *Nottingham*

- 14.00–14.30 Is catch up growth good for you?  
Dr Jonathan Wells, *Reader in Pediatric Nutrition, Institute of Child Health, London*
- 14.30–15.00 Does fetal growth restriction affect long term neurocognitive outcomes?  
Professor Neil Marlow, *Professor of Neonatal Medicine, Queen's Medical Centre, Nottingham*
- 15.00–15.30 *Tea, exhibition and poster viewing* — Exhibition Hall

**Session 6: Parallel sessions**

15.30–17.00

Session 6A	Session 6B	Session 6c
BMFMS: Pregnancy Outcome (Auditorium)	BAPM/NNS: Lungs and Infection (Queen's Suite A)	NNA: Developmental Care (Queen's Suite B)

**Session 6A (Auditorium)**

**BMFMS: Pregnancy Outcome**

**Chairs:** Dr Richard Smith, *Norwich*  
Mr Myles Taylor, *Exeter*

- 15.30–16.00 Older mothers  
Dr Susan Bewley, *Consultant Obstetrician, St Thomas' Hospital, London*
- 16.00–16.10 The relation between social deprivation and stillbirth causes  
A Tang *et al*  
Abstract 6.1

- 16.10–16.20 Adverse perinatal outcomes and risk factors for pre-eclampsia in women with chronic hypertension: a prospective study  
L C Chappell *et al*  
Abstract 6.2
- 16.20–16.30 Teenage pregnancy and micronutrient status: a study of 500 pregnant teenagers from two UK inner city populations (the ATE study)  
L Poston *et al*  
Abstract 6.3
- 16.30–16.40 Maternal obesity and the risk of stillbirth in small-for-gestational age babies identified by customised birthweight centiles  
J Gardosi *et al*  
Abstract 6.4
- 16.40–16.50 Maternal and obstetric associates of being in good condition following singleton extremely preterm birth  
Z Alfirevic *et al*  
Abstract 6.5

**Session 6B (Queen's Suite A)**

**BAPM/NNS: Lungs and Infection**

Chair: Dr Bryan Gill, *Leeds*

- 15.30–15.45 A randomised comparison of wide versus narrow saturation monitor alarm limits for controlling oxygen therapy in preterm infants  
SS Bhushan *et al*  
Abstract 6.6
- 15.45–16.00 Comparison of left and right ventricular function in term and preterm neonates using tissue doppler imaging  
RJS Negrine *et al*  
Abstract 6.7
- 16.00–16.15 Low cord blood monocytes MHC class II expression is associated with sepsis in term and preterm neonates  
M Azizia *et al*  
Abstract 6.8
- 16.15–16.30 *Ureaplasma* spp or bacterial colonisation are associated with the development of chronic lung disease of prematurity  
NC Maxwell *et al*  
Abstract 6.9
- 16.30–17.00 Long term respiratory outcome of premature birth – are we making it worse?  
Professor Anne Greenough, *Professor of Neonatology & Clinical Respiratory Physiology, King's College London*

**Session 6C (Queen's Suite B)**

**NNA: Developmental Care**

Chair: Miss Tina Pollard, *Chair, Neonatal Nurses Association*

- 15.30–16.30 Perinatal neuroscience and skin-to-skin contact  
Dr Nils Bergman, *Consulting Public Health Physician, Cape Town, South Africa*
- 16.30–16.45 Neonatal nurses' attitudes towards extremely low gestation infants  
K Gallagher *et al*  
Abstract 6.10
- 16.45–17.00 "The promise of catch-up": maternal expectations regarding the notion of "catch-up" in the development of prematurely born infants  
SV Manns  
Abstract 6.11
- 17.00–18.00 AGM for BMFMS — Auditorium
- 19.30–23.00 Conference reception and dinner  
Old Swan Hotel, Harrogate

**WEDNESDAY 4 JUNE 2008**

08.30–09.00 Registration

**Session 7 (Auditorium): Perinatal Inflammation****Chairs:** Professor Alan Cameron, *Glasgow*Dr Jag Ahluwalia, *Cambridge***BMFMS Society Lecture**

- 09.00–09.40 Pathways leading to preterm birth: implications for prevention and treatment  
Professor Steve Thornton, *University of Warwick and University Hospital Coventry*
- 09.40–10.20 Perinatal inflammation and central nervous system injury  
Professor Olaf Dammann, *Research Professor, Tufts University, Director of Clinical Research, Newborn Medicine Floating Hospital For Children, Boston, USA*
- 10.20–10.50 *Coffee, exhibition and poster viewing* — Exhibition Hall

**Session 8: Parallel Sessions**

10.50–12.30

Session 8A	Session 8B	Session 8C
BMFMS: Maternal Medicine (Auditorium)	BAPM/NNS: Resuscitation, Early Care and Prematurity (Queen's Suite A)	NNA: Feeding Difficulties (Queen's Suite B)

**Session 8A (Auditorium)****BMFMS: Maternal Medicine****Chairs:** Professor Fionnuala McAuliffe, *Dublin*Dr Margaret Ramsay, *Nottingham*

- 10.50–11.20 Type II diabetes in pregnancy  
Mr Andrew Dawson, *Consultant Obstetrician, Nevill Hall Hospital, Gwent Healthcare NHS Trust*
- 11.20–11.50 Pre-eclampsia  
Dr Michael Belfort, *Director of Perinatal Research & Fetal Therapy, HCA, Nashville TN, Salt Lake City, USA*
- 11.50–12.00 Vascular endothelial growth factor165b and pre-eclampsia  
VL Bills *et al*  
Abstract 8.1
- 12.00–12.10 Haemodynamic and placental markers to predict pre-eclampsia  
A Khalil *et al*  
Abstract 8.2
- 12.10–12.20 Minimally invasive haemodynamic monitoring accurately demonstrates the profound cardiovascular effects of a 5-unit syntocinon bolus at caesarean section  
A Carlin *et al*  
Abstract 8.3
- 12.20–12.30 Hyperemesis in pregnancy study: a randomised controlled trial of midwife-led "outpatient" care  
C McParlin *et al*  
Abstract 8.4

**Session 8B (Queen's Suite A)****BAPM/NNS: Resuscitation, Early Care and Prematurity****Chair:** Professor David Field, *Leicester*

- 10.50–11.05 Epicure 2: interventions to stabilise extremely preterm babies at birth  
K Costeloe *et al*  
Abstract 8.5

- 11.05–11.20 Sex-specific differences in circulating carbon monoxide and the increased incidence of hypotension in male preterm infants  
MJ Stark *et al*  
Abstract 8.6
- 11.20–11.35 Predicting neonatal mortality: a comparison of the CRIB-II score with and without temperature at admission  
BN Manktelow *et al*  
Abstract 8.7
- 11.35–11.50 The bliss cluster randomised controlled trial of the effect of “active dissemination of information” on standards of care for premature babies in England (BEADI)  
D Acolet *et al*  
Abstract 8.8
- 11.50–12.30 Patterns of outcome at borderline viability  
Professor Kate Costeloe, *Professor of Paediatrics, Homerton Hospital NHS Foundation Trust, London*

**Session 8C (Queen’s Suite B)**

**NNA: Feeding Difficulties**

**Chair:** Mrs Ruth Moore, *Vice Chair, Neonatal Nurses Association*

- 10.50–11.50 Supporting preterm breast feeding  
Ms Anne Aloysius, *Specialist Speech & Language Therapist, Queen Charlottes & Chelsea Hospital, London*  
Ms Liz Jones, *Mphil, Registered Nurse, Registered Midwife, University Hospital Of North Staffordshire, Stoke-On-Trent*
- 11.50–12.15 Impact of prebiotic supplementation in preterm nutrition  
Professor Walter A Mihatsch, *Associate Professor at ULM University & Head of Department of Paediatrics, Schwäbisch Hall Deaconry Hospital, Germany*
- 12.15–12.30 Nasal injuries in preterm infants associated with continuous positive-airways pressure  
EA Alsop *et al*  
Abstract 8.9
- 12.30–14.00 *Lunch, exhibition and poster viewing* — Exhibition Hall
- 13.00–14.00 BMFMS/Neonatal poster prize presentation walks — Level 5
- 13.00–13.50 Lunchtime meet the experts sessions

**E. Pre-eclampsia (Queen’s Suite A)**

Dr Michael Belfort (Salt Lake City, USA) & Dr Steve Yentis (London)

**F. Fetal & neonatal consequences of premature rupture of membranes (Auditorium)**

Dr Alison Bedford-Russell (Birmingham) & Dr Sarah Vause (Manchester)

**G. Optimising neonatal intensive care unit transfer (Conference Suite)**

Dr Andy Leslie (Nottingham) & Dr Steve Kempley (London)

**H. Hypothermia as a standard of care (Queen’s Suite B)**

Professor Malcom Levene (Leeds) & Dr James Tooley (Bristol)

**Session 9: Parallel Sessions**

14.00–15.30

Session 9A	Session 9B	Session 9C
BMFMS: Labour and Delivery (Auditorium)	BAPM/NNS: Nutrition (Queen’s Suite A)	NNA: Surgical Interventions (Queen’s Suite B)

**Session 9A (Auditorium)****BMFMS: Labour and Delivery**Chairs: Dr Lucy Kean, *Nottingham*Dr Tracey Johnston, *Birmingham*

- 14.00–14.10 Myometrial contractility studies in diabetic pregnant women  
S Alqahtani *et al*  
Abstract 9.1
- 14.10–14.20 A physiological approach to stimulating labour: pulse, a randomised controlled trial of pulsatile versus continuous oxytocin administration  
RM Tribe *et al*  
Abstract 9.2
- 14.20–14.30 Resident obstetric consultant cover: does it make a difference to the vaginal delivery rates or perinatal morbidity?  
A Green *et al*  
Abstract 9.3
- 14.30–14.40 The effect of barusiban on plasma concentrations and uterine contractility in threatened preterm labour: a randomised, double-blind, placebo-controlled trial  
S Thornton *et al*  
Abstract 9.4
- 14.40–14.50 WITHDRAWN  
Abstract 9.5
- 15.00–15.30 Past, present and future of fetal monitoring in labour  
Professor Gerald HA Visser, *Professor of Obstetrics, Head of Dept University Medical Centre, Utrecht, The Netherlands*

**Session 9B (Queen's Suite A)****BAPM/NNS: Nutrition**Chair: Professor Anne Greenough, *London*

- 14.00–14.15 Differential effects of maternal nutrient restriction on inflammation in renal and adipose tissue in obese juvenile offspring: the role of TLR4 and CCR2  
D Sharkey *et al*  
Abstract 9.6
- 14.15–14.30 The effect of caesarean section and a single enteral feed on liver metabolism in response to total parenteral nutrition  
MJ Hyde *et al*  
Abstract 9.7
- 14.30–15.00 How fast should we make preterm babies grow?  
Professor Neena Modi, *Professor of Neonatal Medicine, Imperial College London*
- 15.00–15.15 Does postnatal growth affect post-discharge morbidity in preterm infants?  
ST Dharmaraj *et al*  
Abstract 9.8
- 15.15–15.30 The EPICure study: longitudinal growth measurements over an 11-year follow-up period  
JA Fawke *et al*  
Abstract 9.9

**Session 9C (Queen's Suite B)****NNA: Surgical Interventions**Chair: Mrs Jackie Stretton, *Solihull*

- 14.00–14.35 Surgical management of necrotising enterocolitis  
Mr Naved Alizai, *Consultant Paediatric Surgeon, Leeds General Infirmary, Leeds*

- 14.35–15.00 First impressions: the experiences and perceptions of fathers of their first visit to the neonatal unit  
ME Harvey *et al*  
Abstract 9.10
- 15.05–15.30 Nursing workload in UK tertiary neonatal units  
DWA Milligan *et al*  
Abstract 9.11
- 15.30–15.45 Session break

**Session 10: Discussion: “Has Patient Choice Gone Too Far?” Views From Other Disciplines (Auditorium)**

**Chairs:** Professor Neil Marlow (Nottingham)  
Professor Alan Cameron (Glasgow)

- 15.45–16.45 Caesarean section  
Lead speaker: Dr Ray Noble, *Senior Lecturer in Medical Ethics, University College London*  
Borderline viability  
Lead speaker: Professor David Archard, *Professor of Philosophy and Public Policy, Furness College, Lancaster*
- 16.45–17.00 Presentation of prizes
- 17.00 Close of meeting