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

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<td>BMFMS: Fetal Medicine (Auditorium)</td>
<td>BAPM/NNS: Brain (Queen’s Suite A)</td>
<td>NNA: Positive Parenting (Queen’s Suite B)</td>
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Abbreviations

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<td>BAPM</td>
<td>British Association of Perinatal Medicine</td>
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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: Positive 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 21st 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

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<td>BAPM/NNS: Lungs and Infection</td>
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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
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

Conference reception and dinner
Old Swan Hotel, Harrogate
### 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

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#### 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 Reseach & 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 Charlotte’s & 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

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<td>NNA: Surgical Interventions (Queen’s Suite B)</td>
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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