



# PERINATAL MEDICINE 2014

## GENERAL INFORMATION

### Conference Venue:

Harrogate International Centre (HIC) King's Road Harrogate, HG1 5LA.

Tel: +44 (0) 1423 500500

[www.harrogateinternationalcentre.co.uk](http://www.harrogateinternationalcentre.co.uk)

### Travel:

#### By Rail

Harrogate train station is a ten/fifteen minute walk from the HIC. Regular train services operate to Harrogate from Leeds every 30 minutes and from York every hour. Both are main line stations for the London Kings Cross to Edinburgh route and cross-country intercity networks. Contact National Rail Enquiries on 08457 48 49 50 (UK only) for further information or [www.nationalrail.co.uk](http://www.nationalrail.co.uk).

#### By Car

From London: M1, then A1 (M) - exit Wetherby (9 miles from Harrogate)

From the North: A1 - exit Wetherby or Knaresborough (Knaresborough exit is 8 miles from Harrogate)

From the East: M621 - A1 (M) - exit Wetherby

From the West: M56 - M62 - A1 (M) - exit Wetherby

#### By Air

Leeds/Bradford International Airport: telephone +44 (0) 113 250 9696, [www.lbia.co.uk](http://www.lbia.co.uk)

20 minutes drive from Harrogate. Daily scheduled flights. Worldwide connections and direct flights from the UK and Europe.

Manchester Airport: +44 (0) 161 489 3000, [www.manairport.co.uk](http://www.manairport.co.uk)

90 minutes drive from Harrogate, 24 direct train services to and from Leeds station every 30 minutes. Internal, European and Worldwide flights to a wide range of destinations.

### Parking:

There are 210 car parking spaces at the Harrogate International Centre alone, a further 1,200 at the nearby Jubilee and Victoria car parks, plus a 130 space car park specifically for contractors on Dragon Road. Please note charges apply.

### Conference Registration:

Registration desks at the HIC will open as follows:

Monday 9<sup>th</sup> June: 11.30-18.00 hrs

Tuesday 10<sup>th</sup> June: 08.00-17.30 hrs

Wednesday 11<sup>th</sup> June: 08.00-17.00 hrs

### Secretariat:

The Secretariat staff will be available throughout the meeting to assist you with any queries.

Hampton Medical Conferences Ltd, Crane Mead, Ware, Herts SG12 9PW.

### Messages:

Please ensure that mobile telephones are switched off during lectures. Messages can be left with the Secretariat by contacting the registration desk on **+44 (0) 7801812836**.

**Hotel Accommodation:**

For delegates who have booked accommodation through the Secretariat, payment for bed and breakfast will be covered by your accommodation payment. All room extras (telephone calls, bar bills etc) should be settled directly with the hotel on departure. Any subsequent changes to accommodation requirements should be directed to the Secretariat, **NOT** the hotel.

**Harrogate Tourist Information Centre:**

Harrogate Tourist Information Centre, Royal Baths, Crescent Road, Harrogate, HG1 2RR

Tel: +44 01423 537300

[www.harrogate.gov.uk](http://www.harrogate.gov.uk)

**Tea/Coffee/Lunch:**

All refreshments will be served in the Exhibition Hall (Hall H) at the HIC. **Please also note there is no lunch provided during registration on Monday 9<sup>th</sup> June but there is a café located at the HIC where delegates will be able to purchase a range of snacks and beverages.**

**Sponsored Symposium:**

The following meetings, which are open to all interested parties, will be taking place during the conference as follows:

Madela UK – Tuesday 10<sup>th</sup> June, 17:15 - 18:15, Queens Suite Meeting Room B

Human Milk in the NICU - Latest research and process improvements aimed at improving the dose of human milk to the preterm infant and increase the rate of breastfeeding.

**Continuing Professional Development:**

This meeting has been awarded the following CPD points by the Royal College of Paediatrics & Child Health, London:

Monday 9<sup>th</sup> June: 4 credits

Tuesday 10<sup>th</sup> June: 6 credits

Wednesday 11<sup>th</sup> June: 6 credits

**Total: 16 CPD Academic External Credits**

To claim CPD points you are required to sign the CPD Register each day which will be located on level 5 of the HIC. Certificate of attendance will be available online and link will be e-mail to you directly after the Conference.

*The meeting may be deemed suitable for your Royal College of Obstetrics & Gynaecology Continuing Professional Development (CPD) Programme.*

**Trade Exhibition:**

A trade exhibition will located in the Exhibition Hall (Hall H) at the HIC, and will be open at the following times:

Monday 9<sup>th</sup> June: 11.30-18.45 hrs

Tuesday 10<sup>th</sup> June: 08.00-18.00 hrs

Wednesday 11<sup>th</sup> June: 08.30-14.10 hrs

**Scientific Posters:**

There will be a display of Scientific posters located in the Exhibition Hall (Hall H) for the duration of the conference.

**Social Programme:****Welcome Reception – Monday 9<sup>th</sup> June 2014**

The welcome reception will be held in the Exhibition Hall (Hall H) at the HIC on Monday 9<sup>th</sup> June from 17.45 – 18.45 hrs for all delegates. There is no additional fee to attend this event.

**Conference Reception and Dinner – Tuesday 10<sup>th</sup> June 2014**

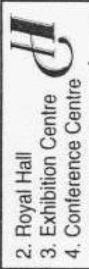
Delegates who have purchased tickets for the Conference Dinner taking place at the Royal Hall, Harrogate at 19.30 hrs on Tuesday 10<sup>th</sup> June will be given their tickets when they register. If you wish to attend the dinner but have not yet purchased your ticket, please contact the Secretariat.

*If you have any queries regarding the conference, please contact the Secretariat:*

# HARROGATE TOWN

## KEY

1. Swimming Pool

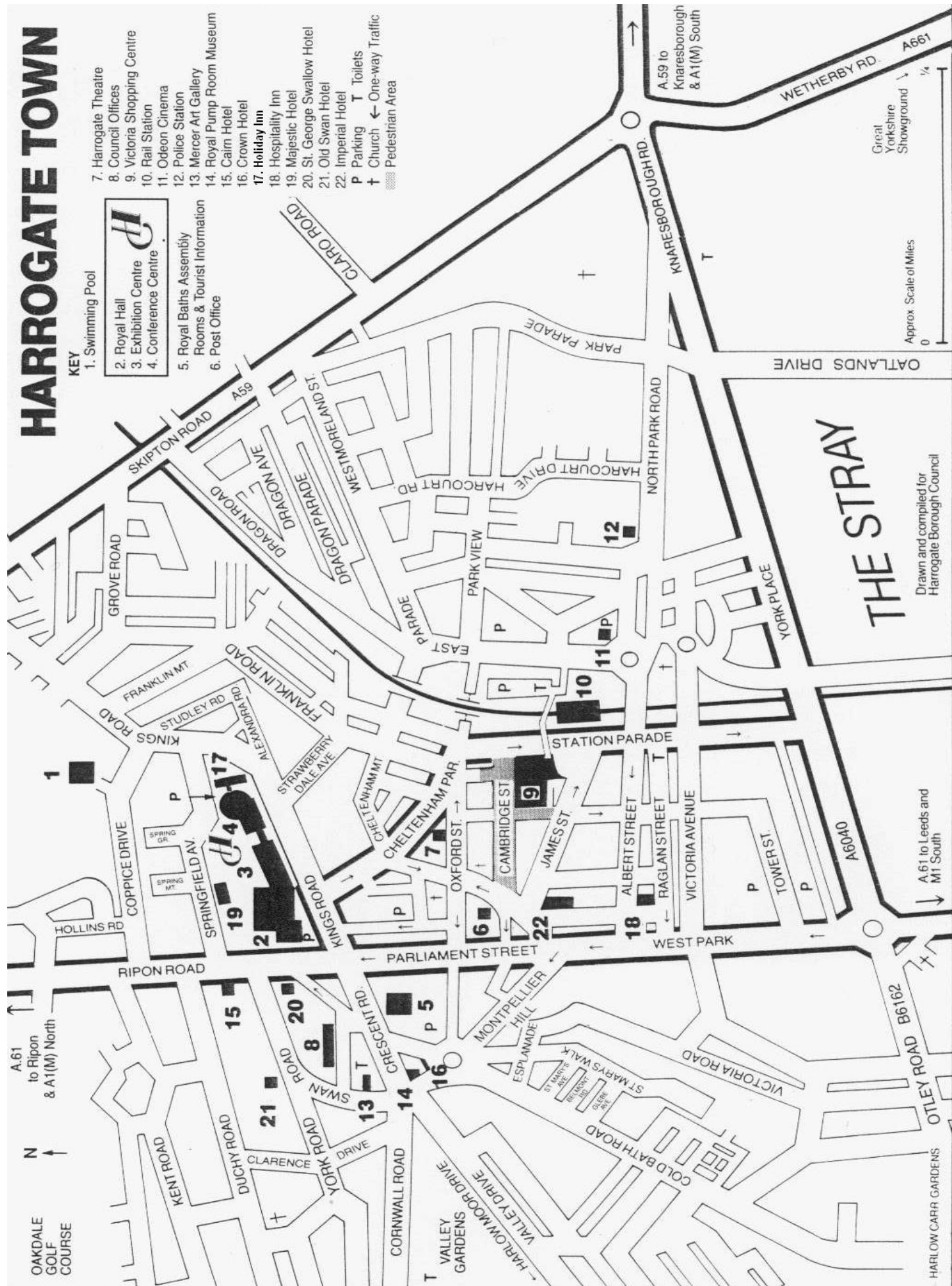


- 2. Royal Hall
- 3. Exhibition Centre
- 4. Conference Centre

5. Royal Baths Assembly Rooms & Tourist Information

- 6. Post Office
- 7. Harrogate Theatre
- 8. Council Offices
- 9. Victoria Shopping Centre
- 10. Rail Station
- 11. Odeon Cinema
- 12. Police Station
- 13. Mercer Art Gallery
- 14. Royal Pump Room Museum
- 15. Cairn Hotel
- 16. Crown Hotel
- 17. Holiday Inn
- 18. Hospitality Inn
- 19. Majestic Hotel
- 20. St. George Swallow Hotel
- 21. Old Swan Hotel
- 22. Imperial Hotel

- P Parking
- T Toilets
- † Church
- ← One-way Traffic
- ▨ Pedestrian Area



Approx. Scale of Miles  
0 1/4

Drawn and compiled for  
Harrogate Borough Council

A.61 to Leeds and  
M1 South

HARLOW CARR GARDENS

## SECRETARIAT HOTEL INFORMATION

### Majestic Hotel

Ripon Road, Harrogate, North Yorkshire, HG1 2HU  
Telephone +44 (0) 1423 700 300

<http://www.pumahotels.co.uk/hotels/majestic-hotel-harrogate/>

The Majestic Hotel is a four star 19th Century property located in the centre of Harrogate within 5 minutes walk from the Harrogate International Centre. The Majestic has a main restaurant and bar as well as extensive leisure facilities including a swimming pool, spa, sauna, beauty salon, snooker room, outdoor tennis court and gym. The hotel offers guests car parking on site.

### Holiday Inn Hotel

Kings Road, Harrogate, North Yorkshire, HG11XX  
Telephone: +44 (0) 871 942 9261

<http://www.ichotelsgroup.com/h/d/hi/925/en/hotel/HRTUK/welcome>

Recently fully refurbished and upgraded to four star rating, the hotel is ideally situated in the centre of the town and next to the Harrogate International Centre. The hotel has a main restaurant and bar and gym on site. Guests also have complimentary use of 'The Academy' fitness club and swimming pool a short walk from the hotel. The hotel has use of an adjacent car.



### Old Swan Hotel

Swan Road, Harrogate, North Yorkshire, HG1 2SR  
Telephone: +44 (0) 1423 500 055

[http://www.classiclodges.co.uk/The\\_Old\\_Swan\\_Hotel\\_Harrogate/](http://www.classiclodges.co.uk/The_Old_Swan_Hotel_Harrogate/)

Situated in five acres of private gardens, the Old Swan Hotel offers the traditional elegance of a country house hotel, right in the centre of Harrogate and five minutes walk from the conference centre.

# PERINATAL MEDICINE 2014 PROGRAMME

MONDAY 9<sup>th</sup> JUNE 2014

11.30 – 13.00

*Registration*

## **SESSION 1**

### **SOCIETY LECTURES**

**PLENARY**

13.00 – 13.45

### **THE BRITISH ASSOCIATION OF PERINATAL MEDICINE: FOUNDERS LECTURE**

#### **The intestinal microbiome, inflammation, and neonatal morbidity**

Professor Josef Neu MD, Professor of Paediatrics, University of Florida, USA

13.45 – 14.30

### **BRITISH MATERNAL & FETAL MEDICINE SOCIETY: SOCIETY LECTURE**

#### **Noninvasive prenatal diagnosis in routine clinical care: The opportunities, risks and the changing face of our subspecialty**

Professor Lyn Chitty, Professor of Genetics and Fetal Medicine, Institute of Child Health UCL, London, UK

14.30 – 15.15

Tea, Exhibition, Poster Viewing

## **SESSION 2**

### **FETAL MEDICINE**

**PLENARY**

15.15 – 16.05

### **Free Papers**

2.1

#### **Estimation of detection rates of aneuploidy using an approach based on nuchal translucency and non-invasive prenatal testing (NIPT)**

A Khalil, N Mahmoodian, A Kulkarni, T Homfray, A Papageorgiou, A Bhide, B Thilaganathan London UK

2.2

#### **Abnormal cerebroplacental ratio predicts adverse outcomes in dichorionic twins**

EM Kent, FM Breathnach, G Burke, FM McAuliffe, MP Geary, S Daly, JR Higgins, A Hunter, JJ Morrison, S Higgins, R Mahony, P Dicker, EC Tully, FD Malone, Dublin Ireland

2.3

#### **Exome sequencing improves genetic diagnosis of structural fetal abnormalities revealed by ultrasound**

SC Hillman, K Carss, D McMullen, V Parthiban, E Maher, M Kilby, M Hurles, Birmingham UK

2.4

#### **Whole exome sequencing of growth restricted offspring identifies gene variants implicated in maturity onset diabetes of the young**

SL Hillman, MC Smart, C Bacchelli, L Ocaka, DJ Williams, London UK

2.5

#### **Direct fetal DNA Fraction Enrichment using microfluidic sample presentation of maternal blood for Non-Invasive prenatal testing**

M Kersaudy-Kerhoas, MPY Desmulliez, J Norman, Edinburgh UK

16.10 – 16.40

### **The role of fetal MRI as an imaging modality of brain abnormalities**

Professor Paul Griffiths

Professor of Radiology, Royal Hallamshire Hospital, Sheffield, UK

## **SESSION 3**

### **THE TIZARD LECTURE**

**PLENARY**

16.45 – 17.45

### **The potential life-long implications of neonatal hyper and hypoglycaemia**

Professor Andrew Hattersley

Professor of Molecular Medicine, Exeter Medical School, Exeter, UK

17.45 – 18.45

### **Welcome Reception**

08.00 – 08.30

*Registration*

**SESSION 4**

**PLENARY**

08.30 – 09.10

**The phenotype of the young adult born preterm**

Professor Neena Modi

Professor of Neonatal Medicine, Imperial College London, UK

09.10 – 09.50

**Free Papers – HOT TOPICS**

4.1

**Hyperalimantation and blood glucose control in very preterm infants: a randomised controlled parenteral nutrition study**

**C Morgan**, L Burgess, M Grosdenier, J Green, P McGowan, MA Turner, Liverpool UK

4.2

**Infant neurodevelopmental outcomes following late and moderately preterm birth**

**EM Boyle**, ES Draper, TA Evans, DJ Field, B Manktelow, N Marlow, S Seaton, LK Smith, S Johnson, Leicester, UK

4.3

**EPICure 2: Impact of antenatal steroid, tocolysis and caesarean delivery on condition at birth in extremely preterm babies**

**AS Morgan**, ES Draper, K Bennett, Z Alfirevic, KL Costeloe, N Marlow, London UK

09.50 – 10.20

**NEONATAL SOCIETY: YOUNG INVESTIGATOR PRESENTATION**

4.4

**Winner – Dr Christopher Gale**

**Influencing long-term health through infant nutrition**

10.20 – 10.50

*Coffee, Exhibition and Poster Viewing*

<b>SESSION 5</b>	<b>PARALLEL SESSIONS</b>	
<b>10.50 – 12.20</b>	<b>SESSION 5A BRITISH MATERNAL &amp; FETAL MEDICINE SOCIETY – MATERNAL MEDICINE</b>	<b>SESSION 5B BRITISH ASSOCIATION OF PERINATAL MEDICINE &amp; NEONATAL SOCIETY</b>

**SESSION 5A**

**BRITISH MATERNAL & FETAL MEDICINE SOCIETY – MATERNAL MEDICINE**

10.50 – 11.20

**Maternal obesity: The maternal and fetal effects: can we intervene prenatally?**

Professor Fionnula McAuliffe, Professor of Maternal & Fetal Medicine

The National Maternity Hospital, Dublin, Ireland

11.20 – 12.20

**Free Papers**

5.1

**Ruptured membranes and risk of vertical transmission in women with HIV**

**K Harding**, C Townsend, H Peters, A De Ruiter, K Francis, G Taylor, P Tookey, London UK

5.2

**The effect of morbid obesity on thrombin generation and sensitivity to the anticoagulant activated protein C in pregnant women**

**HD O'Connor**, B Kevane, S Cooley, K Egan, K Flood, F Ni Ainle, Dublin Ireland

5.3

**Postnatal testing for persistence of abnormal glucose metabolism after Gestational Diabetes: fasting plasma glucose or oral glucose tolerance test?**

**A Dixit**, N L Mudalidge, L Thornhill, S Sinha, C Cotzias, Isleworth UK

5.4

**First trimester Angiotensinogen: Kallikrein ratio is raised in women who develop severe early-onset pre-eclampsia**

**E Breslin**, S Slade, R Akolekar, K Nicolaidis, J Scrivens, S Quenby, Warwick UK

5.5

**Successful insilico discovery of novel hypoxia regulated genes in pre-eclampsia**

**VL Karanam**, N Anim-Nyame, NM Page, London & Mansfield, UK

5.6

**The control of hypertension in pregnancy study (CHIPS) randomized controlled trial**

**LA Magee**, P von Dadelszen, E Rey, S Ross, E Asztalos, K Murphy, JM Menzies, J Sanchez, J Singer, A Gafni, A Gruslin, E Hutton, SK Lee, AG Logan, JW Ganzevoort, R Welch (Derriford Hospital), JG Thornton, Vancouver Canada

**SESSION 5B****BRITISH ASSOCIATION OF PERINATAL MEDICINE & NEONATAL SOCIETY**

10.50 – 11.50

**Free Papers**

5.7

**Hyperalimantation and electrolyte requirements in very preterm infants: a randomized controlled parenteral nutrition study****J Green**, P McGowan, C Morgan, Liverpool UK

5.8

**Clinical and genetic influences on functional brain networks in preterm infants****APR Smith-Collins**, A Heep, RA Kauppinen, A Varadi, S Rajatileka, E Molnar, K Luyt, Bristol UK

5.9

**Behavioral, social and emotional outcomes following late and moderately preterm birth****S Johnson**, ES Draper, TA Evans, DJ Field, A Guy, N Marlow, LS Seaton, ELK Smith, EM Boyle, Leicester UK

5.10

**Using detailed clinical nutritional data to predict optimal energy and protein intakes for preterm infants****MJ Johnson**, JP Pond, F Pearson, A Emm, AA Leaf, Southampton UK

11.50 – 12.20

**Haematological insights from Downs Syndrome**

Professor Irene Roberts, Professor of Paediatric Haematology, Imperial College London , UK

12.20 – 13.40

*Lunch, Exhibition and Poster Viewing***SESSION 6**

<b>SESSION 6</b>	<b>PARALLEL SESSIONS</b>	
<b>13.40 – 15.10</b>	<b>SESSION 6A BRITISH MATERNAL &amp; FETAL MEDICINE SOCIETY LABOUR &amp; DELIVERY</b>	<b>SESSION 6B BRITISH ASSOCIATION OF PERINATAL MEDICINE &amp; NEONATAL SOCIETY</b>

**SESSION 6A****BRITISH MATERNAL & FETAL MEDICINE SOCIETY – LABOUR & DELIVERY**

13.40 – 14.40

**Free Papers**

6.1

**Experimental evaluation of a new device and estimation of forces applied to the impacted head at CS****GSJ Tydeman**, A Briley, A Sheenan, P Seed, Kirkcaldy, UK

6.2

**Atosiban activates NF-kB and pro-inflammatory pathways in human amnion via Gai signaling****SH Kim**, A Blanks, S Thornton, PR Bennett, V Terzidou, London UK

6.3

**The commonalities and differences in the molecular expression of different phenotype-specific causes of preterm labour in comparison to term labour****N Singh**, A Yuiia, V Terzidou, SR Sooranna, MR Johnson, London UK

6.4

**Transfusion management and haemostatic changes in major obstetric haemorrhage in the UK****M Knight**, L Green, FM Seeney, PW Collins, RE Collis, CL Hopkinson, SJ Stanworth, Oxford UK

6.5

**Long-term childhood outcomes following caesarean section: systematic review and meta-analysis****OE Keag**, SJ Stock, JE Norman, Edinburgh UK

6.6

**Vaginal birth after caesarean section (VBAC) predictor models: which is the best model and can it save money?****F Mone**, C Harrity, B Toner, A Mackie, A Currie, T McCormick, F McAuliffe, Dublin Ireland & Craigavon UK

14.40 – 15.10

**Timing of delivery in twin pregnancies**

Professor Basky Thilaganathan, Professor in Maternal &amp; Fetal Medicine

St Georges Hospital, London, UK

**SESSION 6B****BRITISH ASSOCIATION OF PERINATAL MEDICINE & NEONATAL SOCIETY SESSION**

13.40 – 14.10

**What next for NICE?**

Professor David Haslam

Chair, National Institute for Health and Care Excellence, UK

14.10 – 15.10

**Free Papers**

6.7

**Neonatal thyroid function and the use of povidone-iodine and iodinated contrast media during labour and the postnatal period: a pilot study**

FLR Williams, E Velten, C Day, A Soe, S Somisetty, Dundee UK

6.8

**Hepatic IGF1 DNA methylation and mrna expression are influenced by gender but not by prenatal growth restriction in the young lamb**

DJ Carr, JS Milne, RP Aitken, JM Wallace, Aberdeen UK

6.9

**Up-regulation and shift in cellular and tissue localisation of Epidermal Growth Factor Receptor in Acute Necrotising Enterocolitis**

D Vieten, AP Corfield, RD Spicer, Bristol UK

6.10

**A quality improvement initiative for reducing late onset infection among very low birth weight infants**

CL Smith, JC Becher, J Orme, Y Freer, C Abbott-Smith, E Johnston, BJ Stenson, JP Boardman, Edinburgh UK

15.10 – 15.40

*Tea, Exhibition and Poster Viewing***SESSION 7****SGA INFANT****PLENARY**

15.40 – 16.20

**Perinatal trajectories towards Obesity, Polycystic Ovary Syndrome and the World Cup**

Professor Francis de Zegher, University of Leuven, Belgium

16.20 – 17.00

**BRITISH ASSOCIATION OF PERINATAL MEDICINE: THE PETER DUNN LECTURE****Prenatal investigation and management of the small for gestational age baby**

Professor Steve Robson, Professor in Maternal &amp; Fetal Medicine

Royal Victoria Infirmary, Newcastle upon Tyne, UK

17.00 – 18.00

**AGM for BRITISH MATERNAL & FETAL MEDICINE SOCIETY**

19.30 – 23.00

**Conference Reception and Dinner**

Royal Hall, Harrogate

**WEDNESDAY 11<sup>th</sup> JUNE 2014**

08.30 – 09.00

*Registration*

<b>SESSION 8</b>	<b>PARALLEL SESSIONS</b>	
<b>09.00 – 10.30</b>	<b>SESSION 8A BRITISH MATERNAL &amp; FETAL MEDICINE SOCIETY-PREGNANCY OUTCOME</b>	<b>SESSION 9B BRITISH ASSOCIATION OF PERINATAL MEDICINE &amp; NEONATAL SOCIETY</b>

**SESSION 8A****BRITISH MATERNAL & FETAL MEDICINE SOCIETY – PREGNANCY OUTCOME**

09.00 – 09.30

**The role of prenatal programming and epigenetics on long-term childhood outcomes**

Professor Stephen Matthews

Department of Physiology, University of Toronto, Ontario, Canada

09.30 – 10.30

**Free Papers**

8.1

**The association of maternal characteristics and macronutrient intake in pregnancy with neonatal body composition**

MK Horan, CA McGowan, J Donnelly, E Gibney, FM McAuliffe, Dublin Ireland

8.2

**Cardiac Ion Channelopathies in unexplained stillbirths**

S Addison, PB Munroe, C Mein, M Cohen, D Fowler, NJ Sebire, D Pebbles, AM Taylor, D Abrams, S Thayyi, London, UK



- 8.3 **Placental growth factor (plgf) and ultrasound parameters for predicting the small for gestational age infant (sga) in suspected small for gestational age: pelican for study**  
MJ Griffin, PT Seed, LM Webster, H Tarft, LC Chappell, AH Shennan, London UK
- 8.4 **Serum beta defensin concentration in the first trimester is related to genotype, and is higher in women who develop PPRM and deliver before 34 weeks**  
CP James, M Bajaj-Elliott, A Syngelaki, N Klein, K Nicolaides, DM Pebbles, London UK
- 8.5 **Combined fetal fibronectin and saliva progesterone measurement for prediction of spontaneous preterm birth**  
J Carter, N Hezelgrave, P Seed, R Tribe, A David, G Lachelin, A Shennan, L Poston, London UK
- 8.6 **The evolution of the vaginal microbiome throughout uncomplicated pregnancy in a UK population**  
M Chandiramani, YS Lee, L Kindinger, S Arulkumaran, J Marchesi, E Holmes, J Nicholson, TJ Teoh, D Macintyre, PR Bennett, London UK

## **SESSION 8B**

### **BRITISH ASSOCIATION OF PERINATAL MEDICINE & NEONATAL SOCIETY SESSION**

09.00 – 10.00

#### **Free Papers**

- 8.7 **Continuous EEG derived carbon dioxide monitor for newborn preterm babies – levels of agreement with partial pressure of arterial blood carbon dioxide**  
S Victor, C Jennings, C McKeering, A Buriro, P Gaydeki, Manchester UK
- 8.8 **Neonatal Encephalopathy in the cooling therapy era – preliminary cerebral magnetic resonance results from the MARBLE Consortium**  
SS Pauliah, PJ Lally, A Bainbridge, DL Price, S Addison, FM Cowan, P Satodia, SC Wayte, A Soe, S Pattanayak, S Harigopal, LJ Abernethy, MA Turner, P Clarke, J Cheong, SN Basheer, A Alavi, S Shankaran, EB Cady, S Thayyil, London UK
- 8.9 **Microstructural changes in neonatal encephalopathy revealed with the neurite orientation dispersion and density imaging (NODDI) model**  
PJ Lally, H Zhang, SS Pauliah, DL Price, A Bainbridge, G Balraj, EB Cady, S Shankaran, S Thayyil, London UK
- 8.10 **Cranial ultrasound findings suggest that the injury pathway may begin many hours before delivery in encephalopathic infants in Uganda**  
CJ Tann, M Nakakeeto, C Hagmann, E Webb, N Nyombi, K Harvey-Jones, F Namiro, K Burgoine, AM Elliott, JJ Kurinczuk, NJ Robertson, FM Cowan, London UK & Entebbe Uganda

10.00 – 10.30

#### **The new NHS**

Professor Allyson Pollock  
Professor of Public Health Research and Policy, Queen Mary University of London, UK

10.30 – 11.00

*Coffee, Exhibition and Poster Viewing*

## **SESSION 9**

### **SPECIAL GUEST LECTURES**

**PLENARY**

11.00 – 11.30

#### **Assisted conception in women with serious pre-existing medical complications: A bridge too far for maternal and perinatal mortality**

Professor Scott Nelson, Muirhead Chair of Reproductive & Maternal Medicine  
The University of Glasgow, Glasgow, UK

11.30 – 12.00

#### **Reconstructing congenital craniofacial malformations**

Mr Simon Eccles, Consultant in Craniofacial Surgery, Chelsea and Westminster Hospital, London, UK

12.00 – 12.30

#### **Necrotizing enterocolitis**

Professor Phillip Gordon  
Associate Director of Neonatal Research for MEDNAX / Pediatrix, Florida, USA

12.30 – 13.30

*Lunch, Exhibition and Poster Viewing*

## **SESSION 10**

### **PLATFORM POSTERS**

**PLENARY**

13.30 – 14.00

- 10.1 **Can essential fatty acids prevent early preterm delivery? A meta-analysis of evidence**  
S Kar, S Thangaratinam, M Wong, E Rogozinska, London, UK
- 10.2 **Association of the history of maternal-placental syndrome and cardiovascular disease in women with systemic lupus erythematosus**  
MC Soh, C Nelson-Piercy, F Dib, L McCowan, M Westgren, D Pasupathy, London, UK

10.3	<b>Relative intakes of energy and protein in the first week after birth are associated with neurodevelopmental outcome at 24 months in extremely preterm infants</b> SHT Chan, MJ Johnson, AA Leaf, B Vollmer, Southampton, UK	
10.4	<b>Outcomes following the diagnosis of Hypoplastic Left Heart Syndrome: changes over a 15 year period.</b> L Peake, E Draper, D Field, Leicester, UK	
10.5	<b>Tissue engineering approach with acellular matrix supports affected diaphragm of an atrophic mouse model with activation of resident cells</b> De Coppi P, Urbani L, Piccoli M, Alvarez Fallas ME, Dedja A, Magrofuoco E, Elvassore N, Franzin C, Pozzobon M, London, UK	
10.6	<b>Influence of prenatal adenovirus-VEGF gene therapy on mRNA expression of angiogenic related genes in fetal and postnatal ovine intestine</b> JS Caton, GQ Jia, JS Haring, RP Aitken, JS Milne, DJ Carr, AL David, JM Wallace, Fargo, USA	
14.00 – 14.10	Session/comfort break	
<b><u>SESSION 11</u></b>		<b>PLENARY</b>
14.10 – 14.55	<b>The evolution of human adiposity</b> Professor Jonathan Wells, Professor of Anthropology and Paediatric Nutrition Childhood Nutrition Research Centre, UCL Institute of Child Health, London, UK	
14.55 – 15.00	<b>Presentation of Prizes</b>	
<b><u>SESSION 12</u></b>	<b>PROTECTING AND REPAIRING BRAINS</b>	<b>PLENARY</b>
15.00 – 15.30	<b>Repairing the damaged brain</b> Professor Siddharthan Chandran Professor of Neurology, University of Edinburgh, UK	
15.30 – 16.00	<b>The role of maternally administered Magnesium Sulphate in the antenatal period for neuroprotection in the premature baby</b> Dr Etaoin Kent, Maternal Fetal Medicine Fellow Royal College of Surgeons, Ireland	
16.00 – 16.30	<b>Protecting the newborn brain: new avenues</b> Professor Nikki Robertson, Professor of Perinatal Neuroscience, Neonatology, Institute for Women's Health, London,UK	
16.30	Close of Meeting	