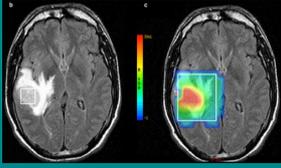


# Nottingham Paediatric Research Showcase Conference

Wednesday 14<sup>th</sup> June 2017

A Floor Foyer and Lecture Theatre 3, Medical School,  
University of Nottingham, QMC, Nottingham



## Welcome

Dear Colleagues

Welcome to the first Nottingham Paediatric Research Showcase Conference. We have an exciting programme of new and established research, audit and quality improvement in the field of neonatal and paediatric healthcare. There are keynote speakers and original papers presented by a range of healthcare professionals.

We hope the conference offers all an opportunity to present and listen to all the great work that goes on in this region to improve the care we deliver for children and their families. Nottingham has an enviable group of paediatric healthcare professionals and researchers who are not only advancing care locally but also nationally and internationally.

We hope you enjoy the conference and take any inspiration or learning back to the bedside to improve the care you deliver.

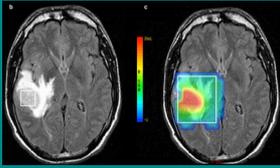
## The NPRS Team

Don Sharkey, Joseph Manning, Hazel Rogers, Caroline Henry, Matt Hurley, James Law, Andrew Prayle, Tim Ritzmann, Lara Shipley

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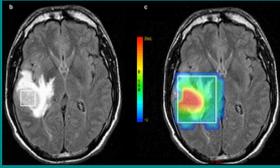
### Final Programme

Time	Session	
0830 – 0900	Registration/ Coffee & Tea	University of Nottingham Medical School Entrance
0900 – 0915	Introduction	<b>Dr Don Sharkey</b> (NPRS Organiser) - Lecture Theatre 3
	Welcome	<b>Professor Tony Avery</b> , Dean of the School of Medicine, University of Nottingham
0915 – 0935	Guest Lecture 1	<b>Professor Alan Smyth</b> (Professor of Child Health) & <b>Dr Shalini Ojha</b> (Associate Professor) “Improving child health in low-middle income countries”
0935 – 1015	Oral Paper Session 1	<b>4 original papers - see oral abstract list - Chairs Dr Joseph Manning and Dr James Law</b>
1015 – 1045	<b>Coffee/Tea + Danish</b>	
1045 – 1115	Keynote Lecture I	<b>Professor Neena Modi</b> – President RCPCH and Professor of Neonatal Medicine, Imperial College “Wonders of being an Academic Paediatrician”
1115 – 1200	Oral Paper Session 2	<b>4 original papers - see oral abstract list – Chairs Prof Alan Smyth and Dr Hazel Rogers</b>
1200 – 1220	Guest Lecture 2	<b>Dr Joseph Manning</b> , Senior Research Fellow in Children, Young People and Families Nursing “Children’s psychosocial impact and outcomes after PICU”
1220 – 1330	<b>Lunch and Poster Session – foyer of medical school</b>	
1330 – 1350	Guest Lecture 3	<b>Professor Helen Budge</b> , Professor of Neonatal Medicine “Tackling obesity in children: a developmental approach”
1350 – 1440	Oral Paper Session 3	<b>4 original papers - see oral abstract list – Chairs Dr Don Sharkey and Dr Caroline Henry</b>
1440 – 1510	<b>Coffee/Tea + Nibbles</b>	
1510 – 1535	Guest Lecture 4	<b>Dr Martin Hewitt</b> , Consultant Paediatrician and previous Chair Nottingham Ethics Committee “Tales from a paediatric ethics committee chair”
1535 - 1555	Children and Parent Participation in Research	<b>Views from participants and parents in paediatric research – why did you take part?</b> Informal discussion guided by Dr Don Sharkey
1555 – 1625	Keynote Lecture II	<b>Professor Harish Vyas</b> , Professor of Respiratory Medicine and PICU “Five papers that influenced my practice”
1625 - 1645	<b>Prize Presentation and close</b>	

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## Speaker Profiles – Morning Sessions

**Professor Alan Smyth**, Professor of Child Health, University of Nottingham and Nottingham Children's Hospital

Professor Alan Smyth is Professor of Child Health at the University of Nottingham and Honorary Consultant in Paediatric Respiratory Medicine at Nottingham University Hospitals NHS Trust. His major research interests are in novel ways of treating infection in cystic fibrosis and strategies to detect and minimise the adverse effects of treatment. He has also highlighted the problem of delayed publication of clinical trial results and the consequent bias in the evidence base. Prof Smyth is Co-ordinating Editor of the Cochrane Cystic Fibrosis & Genetic Disorders Group and Joint Editor in Chief of Thorax. When not working, he is a keen cyclist and pilot.

**Dr Shalini Ojha**, Associate Professor of Neonatal Medicine, University of Nottingham and Royal Derby Hospital

Dr Ojha completed her PhD at the University of Nottingham with a focus on brown adipose tissue and the role nutrition can have on it in early life. She has worked on clinical trials to improve the health of children in India and recently presented some of her findings during a plenary session at the RCPCH annual conference.

**Professor Neena Modi**, Professor of Neonatal Medicine, Imperial College London, Consultant at Chelsea & Westminster Hospital, and President of the UK Royal College of Paediatrics and Child Health

Neena qualified from the University of Edinburgh, and trained at University College Hospital London and Liverpool University. She leads a multidisciplinary neonatal research programme focused on nutritional and other perinatal determinants of life-long health. Her team developed and manage the National Neonatal Research Database which is widely used for health services evaluations, including audit, quality improvement and benchmarking, and for a growing range of research studies by research groups nationally and internationally. Neena is extensively published in original-research peer-reviewed journals and has also authored a number of chapters in textbooks, commentaries and reviews. Neena contributes to a number of working parties, and health services and research committees. She has held a large number of national roles including President of the UK Neonatal Society, President of the Academic Paediatrics Association of Great Britain and Ireland, Chair of the British Medical Journal Ethics Committee, and Chair of the NHS England Infant, Children and Young People Patient Safety Expert Group.

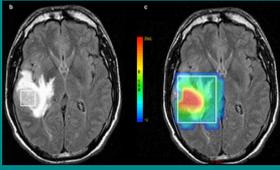
**Dr Joseph Manning**, Clinical-Academic Senior Research Fellow in Children, Young People and Families Nursing, Nottingham Children's Hospital

Dr Manning trained in Nottingham, completing the undergraduate Masters in Nursing Science (Hons) in 2005 and subsequently his PhD. Since then he has worked in a number of roles in Nottingham Children's Hospital which has focused on his clinical passion which is the care of critically ill and injured infants, children and their families. His current role enables him to have meaningful concurrent engagement in clinical practice and research, working across Nottingham Children's Hospital, Coventry University, and The University of Nottingham as a Clinical-Academic Senior Research Fellow in Children, Young People and Families Nursing and as a Charge Nurse for Paediatric Critical Care Outreach Team. His developing programme of research relates to understanding and supporting: (1) The psychosocial impact and outcomes of children and families after critical illness; (2) emotional health and well-being of CYP admitted to acute care; (3) safe and effective health transitions of CYP. He is a current holder of a Health Education England – East Midlands Clinical Scholar Gold Award and is the elected Vice Chair of the Nursing Science Section of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC). He is an alumni of the Bloomberg Emerging Nurse Scholar Forum (University of Toronto, Canada), and the ESPNIC Nursing Fellowship Programme (Sophia Childrens Hospital, Rotterdam, NL)."

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## Speaker Profiles – Afternoon Sessions

### **Professor Helen Budge, Professor of Neonatal Medicine, University of Nottingham and Nottingham University Hospitals NHS Trust**

Professor Budge completed her PhD at the University of Nottingham as a clinical lecturer in Child Health. She subsequently obtained her Chair at the University of Nottingham and is an internationally recognised leader in the domain of early life nutrition and the impact on later outcomes relating to adipose tissue biology. She is also the Co-Director of the Clinical Academic Training Programme in Nottingham and has supervised many clinical and science based students through to completion of their PhD. She has important roles at the RCPCH academic board and the Neonatal Society amongst other key positions.

### **Dr Martin Hewitt, Consultant Paediatrician, Nottingham Children's Hospital**

Dr Hewitt is a highly respected paediatrician with significant clinical experience caring for all children with a special interest in those with cancer. Until very recently, he was chair of the Nottingham Ethics Committee for NHS studies with a focus on those involving children. His significant experience into the challenges of paediatric care and how we advance this through good quality research will be reflected in his guest lecture providing some fascinating insight into the inner workings of an Ethics Committee.

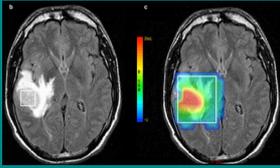
### **Professor Harish Vyas, Professor of Respiratory and Paediatric Intensive Care, University of Nottingham and Nottingham Children's Hospital**

Prof Vyas received his medical degree from Guy's Hospital, London and has trained at Westminster Children's Hospital, Great Ormond Street Hospital, and Nottingham Children's Hospital. He was an MRC Fellow in Nottingham for three years, completing his research in the understanding of physiological changes of breathing at birth and resuscitation in the newborn. During this period, he also collaborated with Prof Greenough to carry out the first surfactant trial in preterm infants. He completed his intensive care and respiratory training at Great Ormond Street Hospital. He was seconded to the Sultanate of Oman to help establish Children's Services and set up the first Paediatric Intensive Care Unit in that country. After returning to Nottingham he set up the PICU and Respiratory Laboratory. He has over 35 years' experience in paediatric intensive care and respiratory medicine and a long record of accomplishment in the paediatric research and has published extensively.

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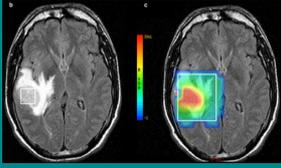


Time	Session	Oral Abstract Sessions
0935 – 1015	Oral Paper Session 1	<ol style="list-style-type: none"> <li><b>Sociodemographic variations in incidence of clinically diagnosed eczema in children, 1997-2015: A United Kingdom population-based cohort study</b> L Ban et al, University of Nottingham</li> <li><b>How effective and cost-effective is silk therapeutic clothing for the management of eczema in children (results of the CLOTHES randomised controlled trial)</b> R Haines et al, University of Nottingham</li> <li><b>Assessing severity of prescription errors in Paediatrics: Inter-rater correlation among health care professionals</b> J Abramson et al, University of Nottingham</li> <li><b>An Audit of the use of continuous vancomycin infusion for the treatment sepsis in a neonatal population</b> R Walsh et al, Nottingham University Hospitals NHS Trust</li> </ol>
1115 – 1200	Oral Paper Session 2	<ol style="list-style-type: none"> <li><b>The effect of antenatal steroid course on intraventricular haemorrhage in preterm infants transported in early life</b> L Shipley et al, University of Nottingham</li> <li><b>Can a facemask be used to measure lung clearance index?</b> E Chatterton et al, University of Nottingham</li> <li><b>Physiotherapy and lung ultrasound: A valuable assessment tool or just Hocus POCUS?</b> S Gates et al, Nottingham Children's Hospital</li> <li><b>A retrospective cohort study investigating antibiotic prescribing in very low birth weight, very preterm children with bronchopulmonary dysplasia</b> W Moreton et al, University of Nottingham</li> </ol>
1350 – 1440	Oral Paper Session 3	<ol style="list-style-type: none"> <li><b>Recurrent paediatric ependymoma: a retrospective review of 194 cases</b> H Rogers et al, University of Nottingham</li> <li><b>Acceptability of manipulation of paediatric forearm fractures in the Emergency Department</b> B Marson et al, Nottingham University Hospitals &amp; Sherwood Forest NHS Trusts</li> <li><b>Question CF: Shaping the research agenda in partnership with the global Cystic Fibrosis community</b> N Rowbotham et al, University of Nottingham</li> <li><b>MAGnetic resonance Imaging in paediatric Constipation – the MAGIC study</b> L Marciari and NUH Young Person Advisory Group, Nottingham University Hospitals NHS Trust</li> </ol>

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## Poster Session

Posters on view in Medical School Foyer, presenters available during lunch

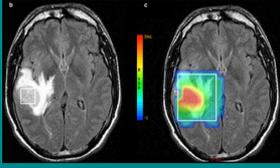
- RNA-Seq Gene Expression Analysis of 106 FFPE Paediatric Ependymomas
- Ketolytic and glycolytic enzymatic expression in paediatric ependymomas: implication for ketogenic diet therapy
- Supporting Kids with diabetes In Physical activity (SKIP): protocol for a randomised feasibility trial of an online intervention to promote physical activity in children with type 1 diabetes
- The effects of supplementing the maternal diet during lactation on their milk's fatty acid profile and on offspring adipose tissue
- Evidence-based injury prevention for parents of young children: findings from five multicentre case-control studies
- Cycling related traumatic brain injury requiring intensive care: association with non-helmet wearing in young people
- Unintentional injuries in children are a leading cause of death, hospital admission and emergency department (ED) attendance in the UK
- Adverse birth outcomes in women with hyperemesis gravidarum hospital admissions among 8.2 million pregnancies: A population-based cohort study
- Increased incidence of childhood respiratory and gastrointestinal tract infections in children born with gastroschisis: a retrospective population-based cohort study
- Effective implementation of a protocol on initial stabilization of preterm neonates delivered at less than 32 weeks gestation through a simulation programme in a District General Hospital in Sri Lanka
- Association of neonatal chronic lung disease and childhood respiratory outcomes: a UK population-based, data-linkage study
- Not interrupted enough to be aware': a qualitative exploration of paediatric critical care nurses' decision-making when interrupted during medication administration

Continued...

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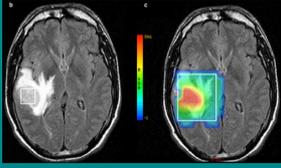
Posters on view in Medical School Foyer, presenters available during lunch

- Tumour Treating Fields (TTFields) have anti-proliferative effects on paediatric brain tumour cell lines at clinically deliverable field settings
- Improving the return to school process after childhood brain injury: an innovative, inter-agency pathway for Nottinghamshire
- Delivery of low intensity/low frequency electric fields via clinical Deep Brain Stimulation electrodes has anti-proliferative effects on Glioblastoma multiforme cell lines
- Expansion and Re-evaluation of a Community Respiratory Physiotherapy Service for Children and Young people with severe neurodisability
- Severe RSV Respiratory Infection
- High Flow Nasal Cannula Oxygen Therapy in a Paediatric Population
- Acclimatisation periods in the in vivo analysis of human brown adipose tissue
- Does PIM III Score predict rehabilitation outcome at hospital discharge
- Decision making for children with life-limiting illnesses: the different guises of 'convincing' and 'compromising'
- Anxiety in paediatric dermatologic surgery – a survey of UK dermatologists
- The SIOP II Ependymoma Multi-Disciplinary Advisory Group (EMAG): the UK approach
- Measuring and enhancing staff engagement in the children's physiotherapy team at NCH
- Developing a machine learning postnatal gestation assessment tool for low-middle income countries: a research nurse perspective
- Chronic illness is a multifactorial notion that affects every aspect of life for both patients and their immediate loved ones, often extending far beyond inpatient medical treatment.
- Robust clinical and biological correlates of outcome for childhood intracranial ependymoma are still required.
- Improving Gestational Age Assessment Using Images of Infants Face, Ear and Foot
- The Use of Sedation in Non-Accidental Injury Skeletal Surveys?

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## Practical Details

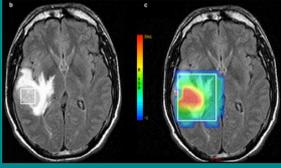
- Venue: The University of Nottingham
- Getting to the Medical School at Nottingham University Hospital
  - Please use information for the various transport options and car parking for the hospital at <https://www.nuh.nhs.uk/getting-here/qmc-and-our-emergency-department/>
  - Be aware that parking is very limited and you may end up some distance from the venue
  - Once at the Hospital follow the signs for the Medical School. The conference will be held in the A floor Foyer (the main entrance of the medical school) and Lecture Theatre 3
- We have a list of all those registered. The event is fully subscribed so you must collect your badge from the registration point in the medical school foyer – no need to print your tickets just give your name
- Please wear your badge at all times, it is essential for refreshments and catering purposes as the Medical School is open to all
- We will be taking informal photos on the day to highlight the success of the event later on and for subsequent events. Please let us know if you'd rather we take/use photos with you in
- There will be plenty of refreshments and lunch for all attendees
- Please return to the lecture theatre promptly as we have a tight programme and it will be polite to start presenters on time and without interruption
- Please do not sit at the end of rows in the lecture theatre as the conference is near capacity so most spaces will be taken
- Attendance certificates are available via electronic feedback forms emailed after the conference – watch your inbox

Website <https://nottinghampaediatricresearch.org/>  
The RCPCH have approved this conference for CPD Points

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We'd like to say a special thank you to all the speakers and presenters at the conference. We would also like to say thank you to the teams below who have supported us setting this up and running the conference both financially and practically



University of  
**Nottingham**  
UK | CHINA | MALAYSIA



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