The Yorkshire Deanery
National Neonatal Training Programme 2014

Introduction
The Yorkshire Neonatal Training programme is accredited by the Royal College of Paediatrics and Child Health CSAC for higher specialist training in neonatology within the ‘National Grid’ system. This programme provides an outstanding opportunity for comprehensive training in all aspects of neonatal medicine.

The Yorkshire region contains 9 neonatal units operating within the Yorkshire Neonatal Network (the largest in the country, with >40,000 deliveries). There are Network NICU’s in Hull, Bradford and Leeds and National grid training programme will be delivered between these three sites. These units accounted for >75% of the neonatal activity (intensive care and high dependency) within the network providing a wealth of excellent clinical experience.

Training programme
The training programme is available as a three year programme. You will be allocated an educational supervisor within each post, and in addition will be assigned a consultant neonatologist as a mentor for the entire programme. We work with the TPD for paediatrics to ensure that you will gain the necessary experience to fulfil your training requirements.

All three hospitals within the training programme provide the majority of the clinical experience required to deliver the neonatal training syllabus and acquire the necessary competencies. You will be posted in at least 2 of these 3 hospitals. In addition you may opt to rotate to Jessop Hospital, Sheffield to further your experience when training slots are available.

1. Leeds Teaching Hospitals
   This will be a cross city rotational post, with all consultants and SpRs working on both neonatal units (LGI and SJUH). SJUH provides short term intensive care of infants >26 weeks gestational age.
   - 15 person full shift cross-site middle grade rota (2 in 15 nights)
   - 55 cots in total:
     - LGI: 34 neonatal cots, 12 Intensive care, 10 high dependency 5 special care, 10 surgical, plus 6 transitional care cots.
     - St James: 21 neonatal cots: 2 Intensive Care, 6 HDU, 13 SCBU plus 13 Transitional care
   - Full range of neonatal intensive care including HFOV and nitric oxide, cooling
   - Perinatal management of complex neonatal surgical conditions, including peri-operative intensive care.
   - Management of neonatal nephrology and urological cases, in conjunction with supra-regional nephrology service.
   - Management of complex neonatal liver disorders in conjunction with supra-regional paediatric hepatology service.
   - Early neonatal care of complex congenital heart disease (the supra-regional paediatric cardiology service is based at LGI)
   - Evaluation and joint care of neurological and neurosurgical conditions.
   - Regional Fetal medicine and genetics service on site

2. Bradford Royal Infirmary
   - 36 cots including 10 level 1 and 2 cots and 9 transitional care cots
- 8 person full shift middle grade rota
- Full range of neonatal intensive care including HFOV and nitric oxide, cooling
- Extensive experience in the management of complex congenital abnormalities due to the multi-ethnic local population
- Management of babies with metabolic diseases
- Genetic and metabolic clinic experience
- Local paediatric cardiology support in conjunction with supra-regional cardiology service.

3. Hull And East Yorkshire Hospitals NHS Trust
- 24 neonatal unit cots, 5 Intensive care, 5 high dependency, 14 SCBU, 4 transitional care cots
- 7-8 person full shift middle grade rota
- Full range of neonatal intensive care including HFOV, nitric oxide, cooling
- Perinatal management of complex neonatal surgical conditions, including peri-operative intensive care. (excluding antenatally diagnosed diaphragmatic hernia and complex cardiac)
- Evaluation and joint care of neurological and neurosurgical conditions.
- Evaluation and early management of neonatal nephrology and urological cases, in conjunction with supra-regional nephrology / urology service.
- Local paediatric cardiology support in conjunction with supra-regional cardiology service.

Additional clinical experience
Your national grid training requires a further 12 months neonatal related clinical training.
This can include neonatology, neurodevelopment, neonatal transport, paediatric cardiology, paediatric intensive care, neurology or experience in research or abroad, by special arrangement.

Further training
During the neonatal training programme you will gain sufficient experience to meet all of the CSAC competencies required. To facilitate this, the following opportunities are available:
- Neonatal trainees meetings - these are 3 monthly in Yorkshire and provide a structured syllabus including evidence based medicine and current controversies. Trainees are also encouraged to attend neonatal grid training meetings in North Trent region with whom there is a reciprocal arrangement.
- Neonatal Transport Medicine – the EMBRACE regional transport team (NNU and PICU transfers) is based in Barnsley and you may rotate to this team for transport training and extensive experience during the programme.
- Fetal medicine training - available at LGI and St James’s, as a regular clinic or block training over 2 weeks. Joint fetal medicine/genetic/neonatal meeting available weekly.
- Genetics - Genetic clinic experience available at Bradford and Leeds Hospitals, within perinatal clinic and as attachment to the regional genetic service.
- Intensive care radiology - regular meetings in all sites. Cranial ultrasound course within region and experience of neonatal MRI brain imaging available.
- Neurodevelopment - opportunities in specialist follow up clinics, CDC and outreach.
- **Cardiology** - 12 month placement in cardiology available by application as OOPE
- **Management** - an excellent modular management-training course is available via the Yorkshire Deanery. This runs over two years and you will be encouraged to participate. The national grid trainees will have the opportunity to attend unit and regional management meetings, clinical governance meetings and perinatal mortality meetings. You will be expected to participate in clinical audit.
- **Research** - Clinical research is undertaken in all three units and within the University of Leeds & Bradford. Recent work includes neonatal MRI brain imaging, hypothermia for encephalopathy, gene polymorphism in perinatal disease and prevention of RSV. Current studies include SIFT, CORD and Planet 2. Born in Bradford, a 13,500 baby cohort study looking at the determinants of childhood and adult ill health completed recruitment in December 2010 and has a large number of active sub studies. There will be opportunities to participate in research and where funding is available trainees may want to take time out of the scheme to pursue a research interest in more depth. Participation in MCRN research projects is encouraged.

**Further information**
Applicants are invited to contact:

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For details of the network please see [http://www.yorkshireneonet.nhs.uk/](http://www.yorkshireneonet.nhs.uk/)