



The Northern Neonatal Network
An Operational Delivery Network
Website - www.nornet.org.uk



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Northern Neonatal Network Care Pathways – July 2015

North Tees & Hartlepool NHS Foundation Trust - University Hospital of North Tees

Scope of care

North Tees & Hartlepool NHS Foundation Trust provides neonatal services on its University Hospital of North Tees site in Stockton. Although the Trust have a Midwifery-led Delivery Unit on their Hartlepool site, this no longer provides a neonatal service – all babies needing any degree of inpatient care are cared for at North Tees. The current services provided on the North Tees site are as follows;

NICU, University Hospital of North Tees

Current Unit capacity

4 Intensive Care cots
5 High Dependency Cots
12 Special Care/Transitional Care cots

Annual number of deliveries

3099 (April 2014 – March 2015 figures including Hartlepool MLU)

Annual number of admissions

334 (April 2014 – March 2015 figures)

Current threshold for incoming ante-natal transfers

Generally obstetricians from the eight SCBUs will routinely try to transfer <30/40 gestation mothers here as one of the four receiving NICUs in the Network. This is done by direct discussion with receiving consultant obstetricians and neonatologists if a suitable Intensive care cot is available but through the dedicated Neonatal Transfer Hotline number.

Current threshold for incoming post-natal transfers

Babies <30/40 that have to delivered at one of the SCBUS are routinely transferred to North Tees for Intensive Care after using the Transfer hotline according to the appropriate Care Pathway. Babies that require admission will then usually be transferred to North Tees by the referring hospital by one of the two transport teams from the RVI or JCUH.

Other thresholds for incoming post-natal transfer

This will be discussed with North Tees clinicians and decided on a case by case basis, but examples of babies who will generally require transfer include: any baby requiring intensive or ongoing high dependency care that is outside the gestation threshold above, HIE's needing active cooling, some surgical cases (see below), congenital/cardiac anomalies for further assessment if they do not require immediate transfer to the Sub-Regional Unit (RVI/Freeman), babies requiring ventilation or TPN. Other babies that could normally be cared for at one of the other 3 NICUs and admitted there but cannot be accommodated because of lack of a suitable NIC cot may also be transferred here.

Transfer services provided?

Transfers back to the original hospital.

Routine investigations/tests/screening currently undertaken

ROP screening is performed on-site. Bedside echocardiography for structural screening and haemodynamic assessment and routine ultrasounds of the cranium are done on site. CT Scans and MRI (3 Tesla) scans are also routinely performed. There is paediatric radiology services available on site for case based discussion and other radiology investigations. Other services and diagnostic facilities are listed below.

Surgical procedures undertaken and/or post-surgical care provided?

No

Cooling for H.I.E undertaken?

Therapeutic cooling for babies with HIE is undertaken here and babies requiring this therapy can be transferred from one of the SCBUs if this is required/indicated after discussion with one of the neonatologists and subsequent transfer arranged via the Hotline with one of the two transport teams.

T.P.N. provided on-site?

Yes.

Neonatal community outreach team/services provided?

We have two community sisters, one covers the Stockton and the other the Hartlepool area. They also review all the NAS babies who go home on Oromorph, they hold a Synagis clinic for those babies who will be vulnerable over the winter months and they help to run the weekly High Risk Clinic for babies who are born <30 weeks or any baby who may have long term problems.

Transitional Care provision on-site?

For mothers who wish to stay in to look after their baby prior to being ready for discharge and also for those mothers who need parent craft.

Research

North Tees neonatal unit is a research active unit with 1.5 WTE neonatal research nurses and 1 Neonatal research fellow pursuing higher academic degree. The unit is recognised for cardio-respiratory research and actively participates in a number of national, international and commercial trials.

Full list of Services provided;

- Advanced Ventilation incl. NO therapy.
- Brain Imaging.
- Cardiology Clinics.
- Cardiology Diagnosis.
- Community Neonatal Nursing Service
- Dedicated High Risk Infant clinic.

- Functional Echocardiography.
- Genetics Clinic.
- Neonatal Ophthalmology.
- Paediatric Dermatology Clinic.
- Specialist Neurodevelopmental Follow Up (BSID 3) of at risk infants & preemies <32 weeks.
- Therapeutic Hypothermia.
- Video EEG and aEEG facilities.