

<b>Setting</b>	UHBristol: Neonatal Emergency Stabilisation and Transport Team
<b>Staff</b>	NEST Team, staff making referrals to the NEST team
<b>Patients</b>	Patients requiring critical care transfers

The Neonatal Emergency Stabilisation and Transport Team (NEST) usually comprises one person in a nursing role (NEST nurse), and one person in a medical role (usually an Advanced Neonatal Nurse Practitioner, Registrar or Clinical Fellow) and the ambulance drivers. In addition there are occasions when a consultant would be expected to attend a transfer as detailed below:

### Respiratory

- Significant respiratory compromise – i.e.  $FiO_2 > 80\%$  or high pressure ventilation
- Baby that requires High Frequency Oscillation ventilation
- Baby that requires inhaled nitric oxide (iNO)
- Baby with difficult or suspected difficult airway
- Baby with tracheoesophageal fistula/oesophageal atresia who is needing respiratory support or likely to require intubation

### Cardiovascular

- Baby with hypotension not responsive to single low-dose inotrope
- Baby with catastrophic haemorrhage
  - If there is on-going blood loss then discuss with Consultant Paediatric surgeon and NICU Consultant at UHBristol for advice and to arrange urgent transfer. **Do not wait until 40ml/kg resuscitation has been given if blood loss is brisk and on-going.**
- Baby with arrhythmias causing shock

### Surgical/Cardiac

- Baby with congenital diaphragmatic hernia
- Baby with congenital heart disease (requiring prostin infusion) or those who may require intubation and ventilation.
- Baby with gastroschisis and compromised gut circulation

### Neurological

- Baby with hypoxic ischaemic injury, encephalopathy or intractable seizures

### Other

- Baby with multi organ failure
- Baby with severe necrotising entero-collitis
- Recently delivered extreme preterm baby (<27/40 gestation)

### Team

- For teaching or training purposes
- If the person in the medical role (ANNP or Registrar) requests additional support
- Where there is a chance the baby may die
- Where reorientation of care is being considered

Out of hours “Top Cover” for the NEST team is provided by a group of consultant medical staff whom have been signed off for the level 4 NEST competencies. Out of hours is defined as Monday to Thursday 20:00 to 08:00, and Friday 20:00 through to Monday 08:00. The main attributes of this top cover will be advanced clinical decision making, advanced transport skills, team work and crew resource management. The primary role of the top cover consultant is to **accompany** the NEST ANNP / Clinical Fellow / Grid trainee on certain transfers.

In addition to this, top cover can also be utilised as an additional resource in the event that the primary team are already committed to a transfer when a subsequent time critical patient is referred.

<b>Related documents</b>	NEST: Referral Guidelines
<b>Safety</b>	
<b>Queries</b>	Dr J Tooley. NEST Team 21745