

# Neonatal transport: a guide to the latest equipment

Inter- and intra-hospital transfers of infants are a necessity in neonatal care. The transport environment presents several challenges requiring high-performance and innovative equipment to keep a baby stable, whatever its clinical needs. Specialised transport equipment can include transport trollies, incubators, harnesses, ventilators, monitors, pumps, heated and humidified gases, suction, capnography and nitric oxide devices, along with therapeutic cooling apparatus. There were over 15,600 neonatal transfers across the UK in the 12-month period between 1 April 2019 to 31 March 2020 and in 24% of these transfers, the baby was ventilated.<sup>1</sup>

## Reference

1. Devon C, Jackson A, ScotSTAR. NTG annual transport data 2019/20. 2020 online at: <http://ukntg.net/wp-content/uploads/2021/05/2020-NTG-report-format-final.pdf>.

The **Neonatal Transporter Trolley** (below) by Paraid is a neonatal critical care transport trolley for use in a road ambulance. It is flexible to accommodate a variety of equipment, allowing it to be customisable.



The **EasyFlow nCPAP** system (right), available from Medacx Limited, was developed to optimally adapt to the small size and changing growth of neonates. The EasyFlow prongs and masks adjust to fit the anatomy of premature and newborn babies, providing gentle, non-invasive ventilation. The EasyFlow system integrates with Stephan's EVE-nEO Sophie and Stephanie neonatal ventilators.



The **Dräger TI500 Globe-Trotter Neonatal Transport System** (above) is designed to transport infants in a thermal neutral environment and also provides integrated ventilatory support.



The Infant Supplier Guide provides a searchable database of equipment used for the care of sick and premature infants. Visit: [www.infantjournal.co.uk/supplierguide.html](http://www.infantjournal.co.uk/supplierguide.html)



The **Vapotherm Transfer Unit (VTU)** (above) delivers high velocity therapy on the go. It is designed to make patient transfer easier and more efficient by adding a mobile power supply and seamless switching between air, oxygen tanks and wall gas supply.

The **Neo-Restraint** (right) by Paraid provides a safe, fully adjustable harnessing system to reduce excessive movement during neonatal transfer. It is compatible with Drager TI500/Globetrotter, International Biomedical and Atom incubators.



The **EVE-nEO** ventilator (left), designed by Fritz Stephan GmbH and available from Medacx Limited, has eight hours of continuous battery operation, making it truly portable. With invasive and non-invasive lung protective ventilation modes and a range of features including electronic oxygen mixing, high-flow oxygen, and an 8.4" full colour interactive touch screen.



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### Neonatal Transport Humidification System

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