

# Humpty's Wish List: Helping Kids in Hospital



The following medical equipment has been requested specially by Noosa Hospital, Emergency Department.

## EZ-IO DRILL & EDUCATOR KIT

This power drill kit is an essential piece of resuscitation equipment used to gain vascular access in critically ill children and babies when intravenous access cannot be established. The drill kit is used to place a needle into the bone within 10 seconds, through which life-saving medication and fluids can then be administered. Achieving vascular access is vital to the resuscitation process and has life-saving consequences. The kit also comes with training devices used for staff education and practice of this vital procedure.



## AIRVO 2 HUMIDIFIER - 2 Donated

Humidification is important for babies and children suffering from respiratory problems, such as bronchitis, pneumonia and cystic fibrosis. Humidified air and oxygen helps them breathe restfully and clears the chest for ongoing treatment and recovery.



## VIVA PAEDIATRIC CART

This paediatric specific airway trolley is used to assist in paediatric resuscitation. Current management at Noosa Hospital's Emergency Department is out of a modified trolley which is specific for children. The cart comes with the option to select different coloured drawers, in white, blue, red and yellow, for easy access to equipment during an emergency.



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## ALARIS GH PLUS SYRINGE PUMP - 2 Donated

This syringe pump allows insulin and antibiotics to be accurately delivered to babies and children in extremely small doses helping those who might otherwise suffer fluid overload. Its digital format stores a drug library and will minimise any potential for human error.



## CONNEXVITAL SIGNS MONITOR

This piece of equipment allows accurate assessment of vital signs like temperature, blood pressure and oxygen saturation levels in the paediatric setting. This monitor will recognize deteriorating clinical conditions immediately, which allows for early intervention which greatly reduces further health risks to the child. The Connex Monitor is an especially vital piece of equipment for Noosa's Emergency Department, as it will be dedicated only to paediatric patients.



## MEGACODE KID ADVANCED LIFE SUPPORT TRAINING MANIKIN

The Megacode Kid is a paediatric resuscitation simulator including a dummy and simulation scenarios. Noosa Hospital's Emergency Department currently does not possess a paediatric simulator. Without one, Noosa Emergency Department's accredited Paediatric Resuscitation educator is unable to conduct regular training exercises for current and new staff, including doctors, nurses and ambulance personnel.



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## Sunshine Coast Hospitals, ex. Noosa

### RAD 7 PULSE OXIMETER

Gympie Hospital, Emergency Department, QLD

Gympie Hospital, Maternity, QLD

Nambour Hospital, Emergency Department, QLD

Sunshine Coast University Hospital, Emergency Department,

QLD

By shining a light through the baby's finger or toe the oximeter measures the amount of oxygen in their capillaries. This ensures correct and safe oxygen delivery during highly critical times in an effort to prevent damage to organs such as the brain, eyes and lungs.



### JM-105 JAUNDICE DETECTOR

Gympie Hospital, Maternity, QLD

Sunshine Coast University Hospital, Nursing & Midwifery,

QLD

Jaundice, or yellowing of the skin and eyes, occurs in approximately 50% of full-term and 80% of pre-term babies in their first week of life. It is often an indication of underlying symptoms, so efficiently screening babies for jaundice is vital. Unlike a traditional blood test, the jaundice meter is non-invasive and provides results in minutes rather than hours.



### BILISOFT LED PHOTOTHERAPY SYSTEM

Gympie Hospital, Maternity, QLD

Jaundice, or yellowing of the skin and eyes, occurs in approximately 50% of full-term babies and 80% of pre-term babies in their first week of life. If undetected, it can cause cerebral palsy, deafness and/or brain damage. This phototherapy system is used to treat jaundice, with the baby wrapped in the therapy blanket and kept at the mother's bedside.

