

The following special projects and medical equipment have been requested by hospitals and health services in Queensland and other states.

*We hope you can help grant these vital wishes. Thank you!*

## **RAD 5 PULSE OXIMETER: \$2,180 EACH — 4 NEEDED**

Gold Coast University Hospital, Neonatal Intensive Care Unit (2)  
Gold Coast University Hospital, Midwifery Group Practice  
Noosa Hospital, Emergency Department

This portable, handheld equipment allows the health care team to monitor a newborn baby's oxygen saturation levels, heart rate and blood flow. Accurate readings are essential when assessing the status and treatment options for paediatric patients. The handheld Rad 5 allows clinical staff to accurately and efficiently measure and record these, and quickly track and respond to any changes. It can be used continuously while transporting the baby to the NICU without needing to place the baby into a bed with inbuilt monitoring capability. It is also used for screening babies prior to discharge and can help with diagnosing congenital heart disease, sepsis, respiratory disease and other illnesses.



## **ASTODIA DIAPHANOSCOPE: \$3,410 EACH — 3 NEEDED**

Dalby Hospital, Maternity  
Redland Hospital, Paediatrics (2)

The Astodia Diaphanoscope assists medical staff to find veins in young patients. It illuminates small blood vessels and other structures filled with air or liquid. This equipment helps care teams find veins to quickly and accurately draw blood or place cannulas (a tube that can be inserted into the body) to administer vital medicines to babies and children. Importantly there is reduced pain and discomfort for little patients as the Astodia means the cannula can be placed with fewer attempts. It is particularly useful on younger children, those with darker skin, or when the veins are not visible due to dehydration.



*\*All donations are 100% tax deductible.  
A plaque recognising your donation will be attached to purchased equipment.*

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## JAUNDICE DETECTOR: \$4,940

Gold Coast University Hospital, Midwifery Group Practice

Jaundice in newborns is common, occurring in around 60% of full term and 80% of premature babies. It is usually harmless, but all cases of jaundice should be monitored because severe, untreated jaundice can lead to poor health outcomes, including deafness and brain damage. Jaundice meters allow clinical staff to non-invasively monitor jaundice levels.



## CONNEX VITAL SIGNS MONITORS: \$6,440 EACH — 3 NEEDED

Baralaba Multipurpose Health Service, Acute Care  
Blackwater Multipurpose Health Service, Emergency Department (2)

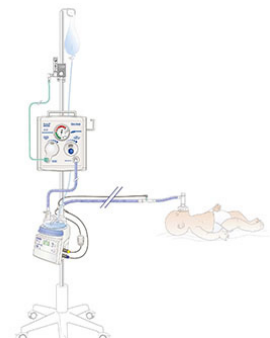
Vital signs monitors allow health care teams to accurately assess a range of vital signs like temperature, blood pressure and oxygen saturation levels within paediatric care settings. These monitors recognise deteriorating clinical conditions immediately, allowing for early intervention to improve outcomes for the child. It is a very important piece of equipment to have in the ward. These small regional Queensland health services need new monitors to ensure wards are properly equipped with the right technology. Monitors are currently shared across wards which is not ideal as equipment is not always available when required and moving equipment between patients increases the risk of infection.



## HUMPTY'S BREATH OF LIFE: \$7,730 EACH — 2 NEEDED

Ipswich Hospital, Special Care Nursery

This specially designed Humpty package is lifesaving. It includes a Neopuff Infant Resuscitator, Low Flow Bird Blender and an MR850 Humidifier on a mobile stand. 'Humpty's Breath of Life' will provide humidified air during respiratory support to a sick baby or child as well as maintain them on a safe type of ventilation. As the Ipswich service grows this equipment will enable the teams to provide resuscitation and respiratory support to infants and reduce the need for transfer to a tertiary facility.



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## KOALA HANDHELD VIDEO LARYNGOSCOPE: \$9,080 EACH — 2 NEEDED

Sunshine Coast University Hospital, Neonatology

Insertion of an endotracheal (breathing) tube is a time critical and difficult procedure, but lifesaving in small premature infants as it allows their breathing and lungs to be supported by a ventilator.

This equipment allows a better view than current equipment making the procedure safer and quicker with less stress to the baby. It is essential in training prospective neonatologists and also to have available in case of a difficult intubation.

This device allows the consultant to view what the trainee is visualising, something not possible with traditional laryngoscopes, therefore improving teaching and training opportunities for paediatric and neonatal trainees.



## BILISOFT LED PHOTOTHERAPY SYSTEM: \$9,990

Redland Hospital, Paediatrics Unit

Jaundice, detected as a yellowing of the skin and eyes, occurs in 50% of full-term babies and 80% of pre-term babies in their first week of life. Without prompt treatment, jaundice can cause cerebral palsy, deafness and/or brain damage.

This machine uses phototherapy (exposure to fluorescent light bulbs or other light sources) to effectively treat the jaundice while at the same time enabling the parents to hold or feed their child without disturbing the therapeutic treatment in progress.

Redland Hospital has seen an increase in jaundice cases so this equipment will be most beneficial for ensuring timely treatment of tiny patients.



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## **GIRAFFE STAND-ALONE RESUSCITATION SYSTEM: \$12,940 EACH — 4 NEEDED**

Sunshine Coast University Hospital, Neonatal Unit

The Giraffe Stand-Alone Resuscitation System is required to provide safe and effective resuscitation to deteriorating neonates allowing stabilisation of the baby in a critical time frame. The device is portable and therefore can be constantly used between beds within the Women's & Children's Unit.

Sunshine Coast University Hospital (SCUH) managed 3400 births in 2020-21, and there has been a 27% increase in the region's birth rate over the past five years. The neonatal unit is regularly over capacity and this standalone equipment is flexible and vital to supporting premature and ill neonates requiring urgent high dependency care.



## **RADICAL-7 PULSE OXIMETERS**

**Bundle 1: Three Radical-7 Pulse Co-Oximeters: \$14,250**

**Bundle 2: Three Radical-7 Pulse Co-Oximeters including one with Sleep Tracing Software: \$15,320**

Ipswich Hospital, Paediatric Unit

Ipswich Hospital has seen a 20% increase in paediatric admissions during the last few months and is currently admitting 120 children each week. It does not have enough Radical-7s to cope with demand. This 3-in-1 device can be used as a bedside, handheld, or transport monitor.

By shining a light through the child's finger or toe, the oximeter measures the amount of oxygen in their capillaries. The oximeter sounds an alarm at the slightest change in oxygen levels, alerting staff to any deterioration in condition and allowing lifesaving action to be taken to prevent damage to organs such as the brain, lungs and eyes.



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## MADSEN ACCUSCREEN HEARING TOOL: \$25,320

Weipa Integrated Health Service, Midwifery Group Practice

Ear disease and hearing loss is highly prevalent among First Nation people, especially those living in rural and remote regions, with the rate of hearing loss in First Nation children 12 times higher than non-indigenous children. The Madsen Accuscreen hearing tool will provide vital screening to newborn babies in the Torres and Cape region of Far North Queensland. Often regional and remote centres like Weipa can only provide limited and reduced services but this equipment will ensure that babies do not fall through the gaps and are screened and treated appropriately for ear disease. It will also enable the Midwifery Group Practice team to provide this screening capability to women returning to the Western Cape who may have missed the neonatal screening while giving birth in Cairns.



## GIRAFFE WARMER: \$38,480

Noosa Hospital, Emergency Department

Noosa Hospital has around 22,000 presentations to its Emergency Department each year, with around a quarter of these paediatric patients. When there is an unexpected birth or small infant in the ED the team urgently needs the ability to warm and oxygenate the baby. The Giraffe Warmer is lifesaving and an all-in-one resus bed for very small babies.

Hypothermia is a very common issue when babies are unwell and Noosa ED does not currently have the right equipment to help manage this.



*The cost of medical equipment as published by the Humpty Dumpty Foundation is an accurate estimate of the list price at the time of publication. It also includes an allowance for handling costs, delivery, handover costs and a plaque to acknowledge the donor. The actual cost of equipment may be different at the time of purchase. Any shortfall in the cost of the equipment will be paid for by Humpty; and any surplus will be treated as a donation to Humpty's general account and will be used to financially support the Foundation.*

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