Jaundice treatment blanket

Country of origin | South Africa

Health problem addressed ________________________________
Hyperbilirubinaemia - especially in pre-term infants.

Product description ________________________________
Flexible lighting pad for the treatment of jaundice in infants, suitable for clinical settings, Kangaroo Mother Care and home use.

Product functionality ________________________________
The flexible blanket emits blue light in the required spectrum and of sufficient intensity to treat hyperbilirubinaemia in neonates. The supple design allows use in Kangaroo Mother Care, with the neonate strapped against the mother’s chest. A rechargeable battery pack allows continued use for up to 8 hours without electricity allowing perfect mobility and making the blanket suitable for areas with no or intermittent mains electricity supply.

Developer’s claims of product benefits ________________________________
Low cost, mobility, suitable for Kangaroo Mother Care and (rechargeable) battery operated.

Operating steps ________________________________
The jaundice blanket can be used flat, with the baby lying on it, or strapped around the baby’s back while held against the mother’s chest (Kangaroo Mother Care). A double insulated battery pack with built in charger and regulator is plugged into a mains outlet for charging and continued use.

Development stage ________________________________
CE in progress. Technical evaluation of technology in progress with tests being performed at Mowbray Maternity Hospital in Cape Town, South Africa.

Future work and challenges ________________________________
N/A

User and environment ________________________________
User: Self-use, physician, technician, nurse, midwife, family member
Training: None
Maintenance: None

Environment of use ________________________________
Settings: Rural, urban, ambulatory, at home, primary (health post, health center), secondary (general hospital), tertiary (specialists hospital)
Requirements: None

Product specifications ________________________________
Dimensions (mm): 200 x 150 x 10
Weight (kg): 0.900
Consumables: Disposable sleeves for blanket
Life time: 1 year
Shelf life: 1 year
Retail Price (USD): 700

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