

Phototherapy Eye Masks Revision Questions (Edition 1.0)

Please review the Introduction (DOCID 114100) and Technical (DOCID 114659) training notes in the document index and answer the following questions.

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What is phototherapy, and how does it treat jaundice in newborns? *

- ☐ It helps develop the newborn's liver
- ☐ It uses light to break down bilirubin in the blood.
- ☒ It uses sunlight to reduce jaundice.
- ☐ It stimulates the immune system.

What specific type of light and wavelength range is used for phototherapy? *

- ☒ Ultraviolet light (300-400 nm)
- ☐ Infrared light (700-900 nm)
- ☐ Blue-green light (430-490 nm)
- ☐ Red light (600-700 nm)

Why is it essential to use eye masks during phototherapy for newborns? *

- ☐ To improve sleep during treatment
- ☒ To protect the newborn's retinas from light damage
- ☐ To block all light from reaching the skin
- ☐ To help the infant see better post-treatment

What are the specifications for single-patient use and packaging for EyeMax2 and NeoMask masks? *

- ☐ Reusable, packaged in single units
- ☐ Reusable, packaged in boxes of 50
- ☒ Single-patient use, packaged in packs of 20
- ☐ Single-patient use, packaged in packs of 10

What are the design differences between the Maxtec EyeMax2 and Viamed NeoMask brands? *

- ☒ NeoMask is more cost-effective
- ☐ EyeMax2 has more colour options
- ☐ EyeMax2 provides less eye protection
- ☐ NeoMask is made of latex

How does blue light help break down bilirubin in jaundiced infants? *

- ☐ It stimulates liver function directly
- ☒ It converts bilirubin into a form the body can excrete
- ☐ It temporarily stops bilirubin production
- ☐ It causes the skin to absorb bilirubin

How is sizing determined? *

- ☐ Based on age
- ☐ Based on weight
- ☒ Based on head circumference
- ☐ Based on length

What departments commonly use phototherapy eye masks for newborn jaundice treatment? *

- ☐ A&E, Theatres, Paediatrics
- ☒ SCBU, NICU, Maternity/Delivery Suite
- ☐ Cardiology, Neurology, Neonatology
- ☐ Dermatology, Ophthalmology, NICU

What are some benefits of using NeoMask over EyeMax2, and what factors should influence the choice? *

- ☐ NeoMask has improved weight, bulk, and colour
- ☐ NeoMask is lighter, softer, and more durable
- ☒ NeoMask is less expensive and has design advantages i.e. additional tab to help placement
- ☐ NeoMask has fewer sizes available but fits most newborns

What materials and design features ensure that these eye masks block light while remaining safe for infants? *

- ☐ Transparent material with open sides
- ☐ Elasticated material with opaque inner eye pads
- ☐ Thin plastic with UV-blocking coating
- ☒ Light-permeable fabric without eye pads

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