

Neohelp™

This Local Operating Procedure is developed to guide safe clinical practice in Newborn Care Centre (NCC) at The Royal Hospital for Women. Individual patient circumstances may mean that practice diverges from this Local Operating Procedure.

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INTRODUCTION

Neohelp™ is a sterile, thermal heat regulation suit made of polyethylene that is used for premature and low birth weight infants to prevent heat loss during the thermoregulation phase immediately after the infant's birth.

1. AIM

- To guide the use of Neohelp™ on extremely preterm and extremely low birth weight infants

2. PATIENT

- Newborns (<28 weeks gestation infants and/or <1000 grams)

3. STAFF

- Medical and nursing staff

4. EQUIPMENT

- Neohelp™ packet

NOTE:

- Do not dry the infant before placing the infant into the Neohelp™
- Clinical procedures may be performed with the infant in the Neohelp™

5. CLINICAL PRACTICE

Procedure

1. Either: Put the Neohelp™ pack on resuscitaire for the radiant heater to warm it while waiting for the infant's birth.
Or: Open the packet of sterile Neohelp™ and give to the obstetrician when birth is imminent.
2. Unfold the Neohelp™.
3. Open the velcro and hood of the Neohelp™ (Picture 1).
4. Place the infant in the Neohelp™ with infant's shoulders at upper edges of the foam (Picture 2)
5. Fasten the velcro.
6. Squeeze the toggle to adjust the hood to the head (Picture 3).
7. Check the Neohelp™ is securely fastened to prevent heat loss.
8. Adjust the heating from the radiant warmer to avoid hyperthermia.
9. Once humidication is established and the infant is eutermic, remove Neohelp™ (Neohelp™ is recommended for 2 hours after birth).
NB. Do not use the Neohelp™ for more than 24 hours after birth.



Picture 1



Picture 2



Picture 3

6. DOCUMENTATION

- eMR
- Admission Chart

7. EDUCATIONAL NOTES

- Advantages of using Neohelp™:
 - Prevents infant's body heat loss by radiation, convection and evaporation
 - Allows passage of radiant heat from the warmer
 - Has a central opening with velcro closure that is designed for quick placement of the infant, quick and easy placement of monitoring equipment, intravenous and umbilical catheters
 - Velcro fastening ensures quick access and sealing of the Neohelp™ to conserve heat
 - Is transparent and is a silent material that enables the visualisation of the skin colour and the baby's breathing movement
 - Is non-toxic and biocompatible material (ISO 10993-1)
 - Preshaped foam backing helps stabilise the infant's position

8. RELATED POLICIES/PROCEDURES/CLINICAL PRACTICE LOP

- RHW NCC LOP - Golden Hours Protocol - Management of Preterm Infants <32 weeks in the first 2 hours of life
- RHW NCC LOP - Transwarmer®
- RHW NCC LOP - Resuscitation of the Neonate - Neonatal Resuscitation Guidelines at Delivery

9. RISK RATING

- Low

10. NATIONAL STANDARD

- Standard 1 Clinical Governance
- Standard 5 Comprehensive Care

11. ABBREVIATIONS AND DEFINITIONS OF TERMS

NCC	Newborn Care Centre	ISO	International Organization for Standardization
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12. REFERENCES

- Vygon pamphlet - Neohelp™: Neonatal Heat Loss Prevention Suit. 05/2019 - DB BLOC 14 246 E

13. AUTHOR

Primary	22.12.2021	KB Lindrea (CNC)
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LOP DEVELOPMENT (DELETE PRIOR TO PUBLICATION)

Date identified	Identifier	Reason for LOP	Meeting approved	Allocation
22.11.2021	KB Lindrea	New equipment	23.12.2021	23.12.2021

REVISION & APPROVAL HISTORY

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