

Royal Hospital for Women (RHW)
BUSINESS RULE
COVER SHEET



Health
South Eastern Sydney
Local Health District

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NAME OF DOCUMENT	Warming Enteral Feeds – Calesca Neonatal
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EXECUTIVE SPONSOR	S Bolisetty (Medical Co-Director Newborn Care Centre); S Wise (Nursing Co-Director Newborn Care Centre)
AUTHOR	E Jozsa (CNS)
SUMMARY	To guide gentle warming of enteral feeds and fast thawing of human milk

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Warming Enteral Feeds – Calesca Neonatal

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This Clinical Business Rule 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 Clinical Business Rule. Using this document outside the Royal Hospital for Women or its reproduction in whole or part, is subject to acknowledgement that it is the property of NCC and is valid and applicable for use at the time of publication. NCC is not responsible for consequences that may develop from the use of this document outside NCC.

1. BACKGROUND



It has been theorised that milk temperature can influence infant body temperature. Research has shown that infant stomach temperature decreases when room temperature gavage feeding is given. Feeding preterm infant milk at body temperature has been associated with improved feed tolerance (decreased gastric residuals) indicating that warming feeds to body temperature, whilst maintaining the bioactivity of its delicate compounds, is beneficial to preterm infants.

2. RESPONSIBILITIES

Medical and Nursing Staff

3. PROCEDURE

3.1 Equipment

- Calesca Warming / Thawing device 
- Disposable Insert 
- Breastmilk container / Syringe / Formula container

3.2 Clinical Practice

1. Plug the device into a wall power outlet and press the power button on the display panel.
2. Label the insert with patient information, date and time when used first.
3. Open the lid of the device and place the expanded insert (picture 1) into the cavity of Calesca (picture 2).



Picture 1



Picture 2

4. Place the yellow tray supplied, flat side down, into the bottom of the insert.

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- Place the milk container on the centre of the tray (picture 3) OR insert the tip of the syringe into the round grommet of the insert until the flange of the syringe is flat against the insert face (picture 4).



Picture 3



Picture 4

- Select “Warming” or “Thawing” mode (Note: The Default mode is “Warming”).
- Confirm the mode by pressing “enter”.
- Select the options:
 - Room Temperature ~20°C
 - Fridge Temperature ~4°C
 - Freezer Temperature ~-20°C
- Confirm the option by pressing “enter”.
- Use the arrows to enter the volume of feed in container/syringe and press “enter” to confirm.
- The device’s screen will flash the information that was entered into the unit and display the completion time.
- If the information is correct, press “start”.
- When the cycle is complete, the visual indicator will flash green and the audible indicator will chime.
- Remove warmed enteral feed and administer immediately to the infant.
- When thawing, remove the thawed milk and place it immediately in the fridge.
- Use the neutral detergent to clean the device and insert.
- Keep the insert in the patient environment for further use. Replace insert every 24 hours.

NOTE: Always use a lid on the container or a cap on the feeding syringe while warming.

3.4 Abbreviations

NCC	Newborn Care Centre		
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3.5 References

- Calesca Quick Card Reference Guide, <https://www.medela.com/dam/medela-com/breastfeeding-professional/documents/products/calesca.pdf/calesca-warming-thawing-device-quick-card.pdf?uuid=jcr:05c79006-4a17-4665-ab0b-6d9c06df7371> (accessed 12 October 2023)
- Calesca Warming and Thawing Device Product Guide. <https://www.medela.com/breastfeeding-professionals/products/management/calesca> (accessed 12 October 2023)

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4. RELATED BUSINESS RULES AND POLICY DOCUMENTS

- RHW NCC Medical Clinical Business Rule - Enteral feeding guidelines Enteral Nutrition - formula preparations in Newborn Care Centre
- RHW NCC Medical Clinical Business Rule - Enteral Nutrition - human milk fortification - preparation
- RHW NCC Medical Clinical Business Rule - Enteral Nutrition - preterm infants 1000g and under
- RHW NCC Medical Clinical Business Rule - Enteral Nutrition - preterm infants 1001-1500g
- RHW NCC Medical Clinical Business Rule - Enteral Nutrition - preterm infants 1501-1800g
- RHW NCC Medical Clinical Business Rule - Enteral Nutrition - infants greater than 1800g

5. IMPLEMENTATION PLAN

This (revised) CBR will be distributed to all medical, nursing and midwifery staff via @health email. The CBR will be discussed at ward meetings, education and patient quality and safety meetings. Education will occur through in-services, open forum and local ward implementation strategies to address changes to practice. The staff are asked to respond to an email or sign an audit sheet in their clinical area to acknowledge they have read and understood the revised CBR. The CBR will be uploaded to the CBR tab on the intranet and staff are informed how to access.

6. RISK RATING

- Low

7. NATIONAL STANDARDS

- Standard 1 Clinical Governance
- Standard 2 Partnering with Consumers
- Standard 3 Preventing and Controlling Infections
- Standard 5 Comprehensive Care

8. REVISION AND APPROVAL HISTORY

Date	Revision No.	Author and Approval
05/10/2014	1	E Jozsa (CNE)
23/07/2018	2	E Jozsa (CNE); Approved NCC LOPs Committee
11/09/2023	3	E Jozsa (CNS); Approved NCC CBR Committee
19.10.23	4	Add Neonate to title. Endorsed at RHW SQC