

Improving Care with Dandle•LION



Big Journeys begin with Small Steps

Assess practice

Select products















Train clinicians

Trial and gather feedback

Implement and educate

Maintain partnership to ensure best practice



1	FLEXION Arms And Legs Flexed, With Spinal Flexion From Head To Hips <i>At rest inside the womb, babies are flexed. During activity they demonstrate continued flexion of the spine with intermittent extension of the arms and legs.</i>	Womb	Traditional Positioning Aids	
				
2	CONTAINMENT Supportive Boundaries Surrounding The Infant On All Sides <i>The immature muscular development of the preterm infant makes them unable to independently perpetuate the flexion bias. Containment promotes a flexed posture.</i>			
3	MIDLINE ALIGNMENT Symmetrical Posture Oriented To Midline Including Head & Neck <i>Reducing asymmetry in the premature infant is essential, as symmetrical movement and responses are crucial for early development and later milestone accomplishment.</i>			
4	360° OF PROPRIOCEPTION Responsive Boundaries That Resist Excessive Extension <i>The muscular uterus creates a consistent proprioceptive feedback loop, promoting a flexed posture while allowing nearly full extension of the arms and legs.</i>			
5	FREE MOVEMENT & RECOIL Unrestricted Movement Guided Back To Flexion And Midline <i>The womb provides freedom of movement within defined boundaries, facilitating development of proprioception. Normal skeletal and motor development require a flexed resting posture with extension toward dynamic boundaries, which promote recoil back to a flexed, self-regulating state.</i>			

Assess Practice

Available evidence indicates that babies should be positioned in a way that **aligns with the womb**.

The ideal state is captured in the **5 Tenets of Neurodevelopmentally Supportive Positioning™**.







NANT's white paper, [Development Matters](#), gives clinicians a way to objectively evaluate their positioning aids against the evidence.

Select Products

The **Ages and Stages Guide** introduces our positioning system and identifies which options might best meet a unit's unique needs.

A **personalized consultation** with our Clinical Education Team ensures clinicians make informed selections and establishes a direct line of communication with our community of support.

Suggested Ages & Stages for Product Use

	XS <1000 grams	S 1000-1800 gm	M 1800-2500 gm	L 2500-3600	XL 3600-4400 gm	XXL >4400 grams
 Snuggly ROO XS - L (Disposable & Cloth)	-- ELBW Birth -- 🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	-- Open Crib -- 🐾 🐾 🐾	-- Going Home --	
 ROO2 XS - M	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾			
 ROO Lite XS - L	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾		
 Dandle WRAP Stretch XS - XXL	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾
 Cozy Cub Small (XS - M) Large (S - XXL)	🐾 🐾 🐾	Small Cozy Cub 🐾 🐾 🐾	🐾 🐾 🐾	Large Cozy Cub 🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾
 Dandle PAL & Potty PAL	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾	🐾 🐾 🐾



Train Clinicians

Personalized training from neonatal experts across the country ensures access to clinical excellence even in the face of unique challenges.

A continually updated library of concise, specific **in-service videos** further emphasizes and supports training.


Written training materials ensure the needs of **all types of learners** are met.

Trial and gather feedback

We equip clinicians with **tools and guidance** to ensure a thoughtful, productive trial period.

Tools are **fully customizable** to ensure the utmost utility in each clinical environment.

Throughout the trial phase, our expert clinicians remain **available to assist** with troubleshooting, addressing concerns and fielding general questions.



Positioning Support Product Evaluation Form

Trial coordinator: Complete this section before disseminating evaluation forms to bedside

Hospital Employee Coordinating Trial: _____

Product being trialed: _____

Will this be an addition to current stock, or replace a current item?

Addition _____

Replacement (Item to be replaced: _____)

I am reviewing the following product (please complete one form per product evaluated):

Snuggly ROO Dandle ROO2 Dandle WRAP Stretch

Did the product promote midline positioning?

Never Somewhat

Did the product promote a flexed posture?

Never Somewhat

Did the product successfully promote calming of the infant?

Never Somewhat

Did the product successfully promote containment of the infant?


Never Somewhat

Does the product provide support that is less than, equal to, or more than current support?

Less support Equal support More support

Would you recommend this product for use in your unit?

No Yes



DandleLION Trial Guide for Hospitals

TRIAL DATE: Start _____ End _____

TRIAL PRODUCTS:

Snuggly ROO Dandle ROO2 Dandle WRAP Stretch Dandle ROO Lite

Dandle PAL Cozy Cub Polly PAL

TRIAL SUPPORT MATERIALS:

- Link to the Neurodevelopmental Care Overview video and any product use videos
 - Link to Overview: <https://www.dropbox.com/s/k6pdun726w9pldp/Overview.mov?dl=0>
- Relevant pictorial instructions - hospital to laminate & distribute
- Relevant information sheets
- Evaluation forms
- Laundry Guidelines

PRE-TRIAL CONSIDERATIONS

- Laundry Tips & Tricks
 - Set up a system for laundering before trial starts.
 - Put in pad or burp cloth between baby and positioner to minimize laundering.
 - Ensure someone in the laundry has been assigned to wash & keep up with trial products.
 - Have plastic bag at bedside that says "Dirty Trial Product" to protect from product loss.
 - Place tag on bag with how many total products were distributed to that baby.
 - Recommend three positioners per baby to ensure availability of clean product
 - Include evaluation forms in or attached to bags.
- Evaluation forms
 - Will they be hospital-based or provided by DandleLION? _____
 - How will they be collected? _____
 - Who will synthesize the data? _____
 - Who will communicate results to DandleLION? _____
- Decision-making
 - If the trial is positive, is there financial support to purchase product? Who is the contact person? How will you phase out old products? How many cases of each size will you need to purchase for the transition to be successful? Where and how will the items be stored? (e.g., Will they be organized by product and size? For suggestions, please contact DandleLION.)



Implement and educate

We focus efforts on training unit **Super Users** across shifts, to promote equitable, continuous access to expertise at the frontline.

Super Users are guided by our **expert clinical team** as they train frontline providers, serving as a conduit between Dandle•LION, unit leadership and the bedside.

Local Dandle•LION Account Managers are also available in person to aid in hands-on training.



Implement and educate

Education ensures clinicians understand the **"what, why and how"** of neurodevelopmental care.

We begin with **live clinical instruction**, with a focus on evidence and an approachable, authentic feeling that promotes clear communication with clinical experts.

Our vast library of **online instructional videos** makes supplemental training concise, consistent and accessible.

Written step-by-step **pictorial guides** ensure clarity and promote ease of use.

Maintain partnership to ensure best practice

When you **partner** with Dandle•LION to improve patient care, you become part of our family - our Dandy Pride of Lions.

We remain accessible and **committed to the success** of your unit and the well-being of your babies.

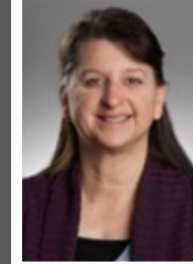
Whether you've been with us a day or a decade, **we are here for you.**

Expert Clinical Consulting Team

Liz Drake
MN, NNP, CNS,
RN-NICU, C-ELBW



Elizabeth Jeanson
PT DPT, CNT, DCS, NTMTC



Dandy Team

Alexandra Luton
MN, BS, RN, CCRN-K
Director of Education



Cathy Bush, BA, M. Ed.
Chief Customer Officer



Lou Casella
Dir. of Business Development



Jeff Bradford
VP Global Marketing and Sales



INSTRUCTIONAL VIDEOS

Neurodevelopmental Care Overview Video

In-service Videos by Product

<u>Dandle ROO 2</u>	<u>Snuggly ROO</u>	<u>Sweet Cheeks</u>
<u>Dandle ROO2</u> <u>(w/Clinical Modifications)</u>	<u>Dandle PAL</u>	<u>Dandle Tub</u>
<u>Dandle WRAP Stretch</u>	<u>Polly PAL</u>	<u>Crown Cradle</u>
<u>Dandle ROO Lite</u>	<u>Cozy Cub</u>	<u>Tranquilo Mat</u>
	<u>Prone Pad</u>	

WRITTEN RESOURCES

References

[Neurodevelopmental
References at a Glance](#)

[5 Tenets Overview](#)

[NANT: Development
Matters](#)

White Papers

[Neurodevelopmental
Positioning: Cause & Effect](#)

[Caring for the Infant with
NAS](#)

[Early Moments](#)

Pictorial Guides

[Dandle ROO2](#)

[Dandle WRAP Stretch](#)

[Dandle ROO Lite](#)

[Crown Cradle](#)

CLINICAL TOOLS

Positioning Pearls

[Neurodevelopmentally Supportive Positioning](#)

[Positioning the Newly Admitted Preterm Infant](#)

[Positioning during Phototherapy](#)

[Positioning in the Postoperative Period](#)

[Positioning during ECMO and HFOV](#)

[Positioning during CPAP](#)

[Positioning babies with NAS](#)

Other Tools

[Positioning Competency Toolkit](#)

[Ages & Stages Guide](#)

[The Dandy Blog](#)

[Dandy in the Literature](#)

THE EVIDENCE FOR DANDY

Funk, N., Baruah, I., Zodin, A., Castillo, D. & Bates, S. (2022). Improving neonatal posture and positioning using developmental aids. Poster presentation to National Association of Neonatal Nurses Conference.

Jeanson, E. et al. (2021). Sweet dreams in the NICU. Poster presentation to National Association of Neonatal Therapists Conference.

Lensing, N. & Jacob, J. (2021, April). Utilization of the Crown Cradle™ positioning aid for cranial molding during NICU hospitalization. Poster presented at the meeting of the National Association of Neonatal Therapists, virtually.

Andrews C, Whatley C, Smith M, et al. (2018) Quality-Improvement Effort to Reduce Hypothermia Among High-Risk Infants on a Mother-Infant Unit. *Pediatrics*;141(3):e20171214

Madlinger-Lewis, L., Reynolds, L., Zarem, C., Crapnell, T., Inder, T. & Pineda, R. (2014). The effects of alternative positioning on preterm infants in the neonatal intensive care unit: A randomized clinical trial. *Research in Developmental Disabilities*, 35; 490-497.

Zarem, C., Crapnell, T., Tiltges, L., Madlinger, L., Reynolds, L., Lukas, K. & Pineda, R. (2013). Neonatal nurses' and therapists' perceptions of positioning for preterm infants in the neonatal intensive care unit. *Neonatal Network*, 32(2); 110-116