

# Dandle ROO™ Lite Neurodevelopmental Support System

## Single Patient Use

Latex and DEHP free

The Dandle ROO™ Lite is a neurodevelopmental support system that can be used for hospitalized preterm and ill infants in prone, supine and side-lying positions. Pictorial instructions are available on-line at [www.dandleLIONmedical.com](http://www.dandleLIONmedical.com).



### WARNINGS:

- Hospital use only.
- Single patient use only in order to prevent possible cross-contamination.
- Do not place wings or pouch around the baby's neck or face or use in any manner that might restrict infant's airway.
- Monitor infant's temperature to prevent overheating.
- Visually inspect product before use and after each laundering.
- Be sure Velcro is attached securely by pressing it together from both sides. Avoid contact between the Velcro hook and the baby's skin.

### CLEANING INSTRUCTIONS:

The Dandle ROO Lite is made from a cotton liner with a tricot backing. Product is single patient use and is not intended to be machine laundered. If desired, it may be hand washed and line dried according to hospital policy. Visually inspect product after each laundering.

### INSTRUCTIONS FOR USE:

- Select the correct size Dandle ROO™ according to the infant's size and body proportions.
- Recommend use with DandleLION accessories: gel pillow and cover, brim and multi-purpose roll.
- If used during phototherapy, follow instructions and recommendations from manufacturer of phototherapy unit.

### PRONE POSITION:

1. If multi-purpose roll accessory is used, attach it to the underside of the base with Velcro tabs. Approximate position of roll to provide head and trunk support and allowing proper flexion of hips and knees.
2. If gel pillow and cover accessories are used, place covered gel pillow inside the base either in a vertical orientation for support of the head and trunk (over the prone roll) or a horizontal position with the pillow supporting the baby's head, neck and scapula. If more gel is needed to adequately support baby's head or body, redistribute gel with fingertips OR remove gel pillow from cover, push gel towards one end, fold empty portion under the gel pillow, redistribute gel, and reinsert into cover.
3. Place baby prone over roll so baby's head is nestled against the top boundary. Adjust position of the roll, the gel pillow and the baby, as needed, so the knees and hips are flexed and the feet are in neutral alignment.
4. Move gel with fingertips to provide support of the head and neck in a neutral position, allowing shoulders to round forward and arms to fall naturally so they are not supporting the weight of the baby.
5. Adjust wings (shorter one first) across upper extremities/torso to provide support and/or freedom of movement as needed. Attach longer wing to underside of the base.
6. Ensure feet and hips are appropriately flexed and feet are in neutral alignment. Safely arrange all tubing and medical equipment. Bring up pouch over the legs/buttocks and fasten to the underside of the base. Ensure lower end of pouch is available for foot bracing.
7. Adjust sides of head boundary using fasteners to allow proper placement of lines and prevent any obstruction to infant's breathing.
8. If brim accessory is used, position it to block out direct light, attach to outside of head support with Velcro tabs.



## **SUPINE POSITION:**

1. If gel pillow and cover are used, place covered gel pillow inside the base in a horizontal orientation to support head, neck and scapula or in a vertical orientation to support the entire head and trunk. If more gel is needed to adequately support baby's head or body, redistribute gel with fingertips OR remove gel pillow from cover, push gel towards one end, fold empty portion under the gel pillow, redistribute gel, and reinsert into cover.
2. Place baby supine with baby's head touching the boundary. If gel pillow is used, it should support at least the head and scapula.
3. Bring upper extremities into midline flexion with hands near face. Pull the shorter wrap over the arms, rounding shoulder forward. Pull the longer wrap over top, rounding shoulders and containing arms. Fasten to underside. Adjust according to baby's needs and medical condition.
4. Flex baby's lower extremities into a neutral midline position. If multi-purpose roll is utilized, place roll distal to the baby's buttocks, supporting the pelvis in a posterior tilt. Attach roll to underside of base using Velcro tabs.
5. Safely arrange tubing and medical equipment so they may exit the side.
6. Bring pouch up over the legs and feet to help baby stay in flexion. Attach to the underside of the base. Adjust as necessary according to baby's needs and medical condition.
7. If more visualization of the umbilical area is needed, the pouch can be folded down and attached anywhere along the sides.
8. Adjust sides of head boundary using fasteners to allow proper placement of lines and prevent any obstruction to infant's breathing.
9. If brim accessory is used, position it to block out direct light, attach to outside of head support with Velcro tabs.

## **SIDE-LYING POSITION:**

1. If gel pillow and cover are used, place covered gel pillow inside the base in either a horizontal or vertical position depending on the size and the needs of the baby OR remove the gel pillow for later positioning. If more gel is needed to adequately support baby's head or body, redistribute gel with fingertips OR remove gel pillow from cover, push gel towards one end, fold empty portion under the gel pillow, redistribute gel, and reinsert into cover.
2. Place baby side-lying with baby's head nestled against the top boundary.
3. Ensure both shoulders are rounded forward and legs and hips are loosely flexed.
4. Adjust wings and attach longer wing to the underside.
5. If multi-purpose roll is utilized, attach tabs of the multi-purpose roll to the body of the roll so the baby's skin is not touching the fasteners. Position roll as a body pillow, between the legs to bring hips into a neutral position, or as needed.
6. Bring up pouch, keeping legs loosely flexed. Ensure lower end of pouch is available for foot bracing. Attach to underside with fasteners.
7. Adjust sides of head boundary using fasteners to allow proper placement of lines and prevent any obstruction to infant's breathing.
8. If brim accessory is used, position it to block out direct light, attach to outside of head support with Velcro tabs.

## **PHOTOTHERAPY:**

1. Follow all manufacturers' guidelines for phototherapy equipment.
2. If the Dandle ROO Lite is used during phototherapy treatment, please note the layers of the material will reduce the effectiveness of the light. Our testing has shown that one layer of cotton (pouch or one wing, not overlapping) allows approximately 73% of the phototherapy light irradiance to pass through; two layers of cotton (pouch plus one wing, or two wings) allows approximately 52% of the phototherapy light irradiance to pass through, and three layers of cotton (pouch plus both wings) allows approximately 43% of the phototherapy light irradiance to pass through.