

OPTIMIZING DEVELOPMENTAL CARE: DISPOSA-HOOD™ VS. NASAL CANNULAS



The key components for developmentally-friendly neonatal respiratory care include:

1. Controlled Neutral Thermal Environment (NTE)
2. Precise Oxygenation
3. Consistent FiO₂ Distribution and CO₂ Flushing
4. Patient Comfort & Reduced Risk of Complications



DISPOSA-HOOD™ OPTIMIZES DEVELOPMENTALLY-FRIENDLY CARE

	UTMD DISPOSA-HOOD	NASAL CANNULAS
CONTROLLED NTE	✓ "Mastering the art of maintaining the NTE is one of the most influential interventions the bedside nurse can perform for the low birth weight infant." ¹ Disposa-Hood promotes a controlled NTE.	Not capable of providing a controlled NTE
PRECISE OXYGENATION	✓ The domed design and oxygen diffuser port create a laminar flow of oxygen inside the hood which assures a precise oxygen concentration.	Cannot guarantee precise oxygenation
CONSISTENT FiO ₂ DISTRIBUTION & CO ₂ FLUSHING	✓ Accurate FiO ₂ levels are easy to maintain. The unique "Laminar Flow" design gently guides prescribed concentrations of the warmed, humidified, and oxygenated air directly to baby's face. CO ₂ flushing is also facilitated.	Cannot guarantee consistent FiO ₂ distribution, potentially causing irritation
PATIENT COMFORT	✓ Disposa-Hood is not secured to the baby's skin but rather placed over the baby's head, effectively preventing skin irritation and eliminating the risk of injury from inadvertent snagging.	Securing to the skin can cause skin irritation, and improper sizing can lead to nasal irritation

The AARC CLINICAL PRACTICE GUIDELINE selection of an oxygen delivery device for neonatal and pediatric patients lists the possible complications of nasal cannulas:

skin irritation can result from material used to secure the cannula or from local allergic reaction to PVC
 improper sizing can lead to nasal obstruction or irritation
 displacement can lead to loss of oxygen delivery
 irritation can result if flows are excessive



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