

Caring for a Premature Newborn: Special Considerations and Support

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Mini Review

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Abstract

Bringing a newborn into the world is a joyous occasion, but when a baby arrives earlier than expected, it can bring about a mix of emotions and challenges for parents. Premature birth, defined as birth before 37 weeks of gestation, requires specialized care and attention to ensure the health and well-being of the infant. In this article, we'll explore the unique considerations and support needed when caring for a premature newborn. Premature birth can happen for various reasons, including medical complications, maternal health issues, or unknown causes. Babies born prematurely may face health challenges because their organs, particularly the lungs and brain, are not fully developed. As a result, they often require medical intervention and close monitoring in the Neonatal Intensive Care Unit (NICU).

Keywords: Premature newborn, Neonatal intensive care unit, Premature birth, healthcare

INTRODUCTION

Premature newborns typically need specialized medical care to support their development and address any health issues that may arise. This care may include respiratory support, such as oxygen therapy or mechanical ventilation, to help the baby breathe. Additionally, premature infants may require assistance with feeding, either through tube feeding or intravenous nutrition, until they are able to suck, swallow and digest milk effectively. Despite the medical interventions involved, bonding with your premature newborn is crucial for their emotional and developmental well-being. Kangaroo care, a method where the baby is held skin-to-skin against the parent's chest, has been shown to provide numerous benefits for premature infants. It helps regulate the baby's body temperature, promotes bonding between parent and child and can even improve breastfeeding success^[1,2]. Caring for a premature newborn can be emotionally challenging for parents. Feelings of guilt, anxiety and uncertainty about the baby's future are common. It's essential for parents to seek support from healthcare professionals, support groups and loved ones during this time.

LITERATURE REVIEW

Many hospitals offer counseling services and support groups specifically for parents of premature infants, providing a space to share experiences and receive guidance. The NICU can feel overwhelming with its array of medical equipment and constant monitoring. However, it's important for parents to actively participate in their baby's care whenever possible. This may involve learning how to change diapers, take the baby's temperature, or provide oral care under the guidance of NICU staff. Building a partnership with the healthcare team can help parents feel more empowered and involved in their baby's journey. As the baby grows stronger and reaches important developmental milestones, they will eventually be ready to leave the NICU and transition home. Before discharge, parents will receive education and training on caring for their premature newborn's unique needs. This may include instructions on feeding, medication administration, monitoring for signs of illness and follow-up appointments with pediatric specialists.

The early months of a baby's life are a critical period for brain development and establishing neural connections that form the foundation for future learning and cognitive abilities. Early stimulation through engaging activities and interactions plays a vital role in promoting healthy brain development and fostering a strong parent-child bond. Early stimulation refers to activities and experiences that engage a baby's senses and encourage the development of cognitive, motor and social skills. These activities provide sensory input that stimulates the brain and helps newborns make sense of the world around them. By engaging in stimulating experiences, parents can help their infants develop important skills and reach developmental milestones^[3,4]. Early stimulation is essential for promoting healthy brain development, fostering a strong parent-child bond and supporting overall growth and learning in newborn infants. By incorporating stimulating activities into daily routines and interactions, parents can

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provide a rich environment that nurtures their baby's development and sets the stage for future success. Remember to follow your baby's cues, provide plenty of love and attention and enjoy the journey of discovery and growth together.

DISCUSSION

Kangaroo care, also known as skin-to-skin care, involves holding your baby against your bare chest, providing warmth, comfort and emotional bonding. Kangaroo care offers numerous benefits for premature infants, including regulation of body temperature, improved breastfeeding success and reduced stress levels. Whenever possible, engage in kangaroo care sessions with your baby to promote bonding and support their development. Feeding premature infants can be challenging due to their immature suck and swallow reflexes, as well as potential gastrointestinal issues. Depending on your baby's gestational age and medical condition, feeding methods may include breastfeeding, bottle feeding with expressed breast milk or formula, or tube feeding. Work closely with lactation consultants and healthcare providers to establish a feeding plan tailored to your baby's needs. Premature infants may reach developmental milestones at a different pace than full-term babies, requiring close monitoring and early intervention as needed.

Keep track of your baby's developmental progress, including milestones such as lifting their head, making eye contact and grasping objects. Regular pediatrician appointments and developmental assessments can help identify any delays and ensure appropriate support. Caring for a premature newborn can be emotionally demanding for parents, who may experience feelings of guilt, anxiety and uncertainty about the future. Seek support from family, friends and healthcare professionals to cope with the challenges and uncertainties^[5,6]. Many hospitals offer counseling services, support groups and resources specifically for parents of premature infants, providing a network of support during this journey. As your premature newborn grows stronger and reaches important developmental milestones, they will eventually be ready to transition home from the NICU. Before discharge, ensure that you are equipped with the knowledge and skills necessary to care for your baby's unique needs. Attend discharge planning meetings, receive training on feeding, medication administration and monitoring for signs of illness and schedule follow-up appointments with pediatric specialists as needed.

CONCLUSION

Caring for a premature newborn requires patience, resilience and support from healthcare professionals, family and friends. While the journey may be challenging, it's also filled with moments of joy, growth and hope as your baby continues to thrive and reach new milestones. By staying informed, seeking support and actively participating in your baby's care, you can provide the love and nurturing environment your premature newborn needs to flourish. Caring for a premature newborn requires patience, resilience and support from healthcare professionals, family and friends. By understanding the unique needs of premature infants and actively participating in their care, parents can provide the love, nurturing environment and specialized support necessary for their baby's growth and development. Remember to prioritize self-care, seek support when needed and celebrate each milestone achieved along the way.

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CONFLICT OF INTEREST

None.

REFERENCES

1. Embleton NE, Pang N and Cooke RJ. Postnatal malnutrition and growth retardation: An inevitable consequence of current recommendations in preterm infants?. *Pediatrics*. 2001;107(2):270-273.
2. Tang W, Ridout D and Modi N. Influence of respiratory distress syndrome on body composition after preterm birth. *Arch Dis Child Fetal Neonatal Ed*. 1997;77(1):F28-31.
3. Kyle UG, et al. Bioelectrical impedance analysis—part I: Review of principles and methods. *Clin Nutr*. 2004;23(5):1226-1243.
4. Bosy-Westphal A, et al. Phase angle from bioelectrical impedance analysis: Population reference values by age, sex, and body mass index. *J Parenter Enteral Nutr*. 2006;30(4):309-316.
5. Thibault R, et al. Fat-free mass at admission predicts 28-day mortality in intensive care unit patients: The international prospective observational study Phase Angle Project. *Intensive Care Med*. 2016;42:1445-1453.
6. Yuan Z, et al. Feeding intolerance alters the gut microbiota of preterm infants. *PLoS One*. 2019;14(1):e0210609.