

Critically Ill Neonate

DEVELOPMENT TEAM

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KEY REFERENCES

1. Narvey MR, Marks SD. [The screening and management of newborns at risk for low blood glucose](#). Paediatr Child Health. 2019 Dec;24(8):536-554.
2. Cornblath M, Reisner SH. [Blood glucose in the neonate and its clinical significance](#). N Engl J Med 1965;273(7):378–81.
3. Diwakar KK, Sasidhar MV. [Plasma glucose levels in term infants who are appropriate size for gestation and exclusively breast fed](#). Arch Dis Child Fetal Neonatal Ed 2002;87(1):F46–8.
4. Thornton PS, Stanley CA, De Leon DD, et al. [Pediatric Endocrine Society. Recommendations from the Pediatric Endocrine Society for evaluation and management of persistent hypoglycemia in neonates, infants, and children](#). J Pediatr. 2015;167(2):238–45.
5. Kramer MS, Platt RW, Wen SW, et al. [Fetal/Infant Health Study Group of the Canadian Perinatal Surveillance System. A new and improved population-based Canadian reference for birth weight for gestational age](#). Pediatrics 2001;108(2):E35.
6. Lubchenco LO, Bard H. [Incidence of hypoglycemia in newborn infants classified by birth weight and gestational age](#). Pediatrics 1971;47(5):831–8.
7. Hawdon JM, Ward Platt MP. [Metabolic adaptation in small for gestational age infants](#). Arch Dis Child 1993;68(3 Spec No):262–8.
8. Stenninger E, Schollin J, Aman J. [Early postnatal hypoglycemia in newborn infants of diabetic mothers](#). Acta Paediatr 1997;86(12):1374–6.
9. Holtrop PC. [The frequency of hypoglycemia in full-term large and small for gestational age newborns](#). Am J Perinatol 1993;10(2):150–4.
10. de Rooy L, Hawdon J. [Nutritional factors that affect the postnatal metabolic adaptation of full-term small- and large-for-gestational-age infants](#). Pediatrics 2002;109(3):E42.

For a complete list of the evidence that informed the creation of the Critically Ill Neonate Resources see the Evidence Repository [here](#).

To see our resource development process please visit our website [here](#).