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Change of Hemoglobin in Level among Exclusively Breastfed Term and Preterm Babies up to Six Months of Age**Sabiha Parvin***Community Based Medical College Hospital, Mymensingh, Bangladesh.*

In preterm neonate normal Hb is characteristically deviated from term neonate. Postnatal decline in Hb is more severe in preterm infant than that of infants, and unlike term infants, the more rapid and profound fall in Hb may be accompanied by clinical signs of anemia. One hundred fifty (150) neonates both term and preterm from NICU MMCH were included in this study and followed up to 6 months of age dividing neonates in two separate groups: preterm group provided 2mg/kg iron supplementation from 6 weeks for 2 months for universal recommendation. Hb level was measured in all exclusively breast fed babies at admission after birth then next follow-up at 6 weeks, 3 months and 6 months. Data analysis was done using SPSS version 20.

Results: Mean Hb level was found significantly higher among preterm babies than that of term babies after birth were 16.55g/dl and 15.98g/dl respectively. Sharp fall of Hb concentration was observed after birth up to 6 weeks in both groups but Hb level was found significantly lower in preterm in comparison to term babies (9.27gm/dl vs. 9.58gm/dl). Hb level of in preterm babies gradually increased from 6 weeks up to 6 months with universal iron supplementation. In term babies, even after 6 weeks fall of Hb level continued to 3 months of age followed by gradual increase up to 6 months. Hb level of in preterm babies gradually increased from 6 weeks up to 6 months with universal iron supplementation. Hb level increases in exclusively breast-fed term babies from 3 months of age. Hb level in exclusively breastfed preterm babies increase from 6 weeks onward might be effect of universal iron supplementation. But supplementation. But rise of haemoglobin level is not up to the reference values in the both groups.

Biography

Parvin has working experience in pediatrics and neonatal ward fields of different tertiary level hospital in Mymensingh for last 15 years. Mymensingh is city of high density high-density population with minimum health facilities. Her passion improved her experience for experience for improving the neonatal and child and child health care status with minimal health minimal health aids. She wishes to proceed her carrier in fields of pediatrics by more researches work to work to find out new innovative way to way to improve child health.