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## **Serum Adiponectin in Neonatal Sepsis**

### **Abstract**

**Aim:** To assess the serum adiponectin level in neonates having sepsis and to define the correlation between this protein level and gestational age, birth weight as well as severity and prognosis of sepsis.

**Subjects and Methods:** This study was conducted on ۳۰ newborn infants having neonatal sepsis. Meanwhile, ۱۰ apparently healthy full-term neonates were chosen to serve as a control group.

**Results:** Clinical and laboratory sepsis scores as well as adiponectin levels were significantly higher in the patients compared to controls. There were no significant effects of maternal diseases on adiponectin levels, while the adiponectin levels were significantly higher in patients having history of maternal fever, offensive vaginal discharge and premature rupture of membranes compared to controls.

**Conclusion:** adiponectin levels is increased in newborns having neonatal sepsis as well as in neonates having antenatal risk factor for sepsis compared to controls.