

Third trimester Maternal Haemoglobin level and its association with infant Haemoglobin at birth

Background: The transfer of haemoglobin from mother to fetus is controlled by maternal iron status in the third trimester.

Objective: The main aim of this study was to determine the association between maternal haemoglobin in the third trimester with infant haemoglobin at birth among infants

Methodology: Mother-infant pair was enrolled randomly into the study. Secondary data for third trimester maternal haemoglobin level was obtained. Diaspect Analyzer was used to test infant Cord blood haemoglobin. Pearson correlation was used to establish the relationship between maternal haemoglobin with infant haemoglobin at birth.

Results: The results showed that maternal haemoglobin was strongly associated with the infant haemoglobin at birth (95% CI; R²=0.889; p=0.014).

Conclusion: There is evidence to show that infants benefit from adequate maternal haemoglobin moreso in the third trimester.

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