

## عنوان مقاله:

The Relationship between Maternal Haemoglobin and Haematocrit with Low Birth Weight and Preterm Labour

## محل انتشار:

مجله مامایی و بهداشت باروری، دوره 7، شماره 1 (سال: 1398)

تعداد صفحات اصل مقاله: 7

## نویسندگان:

Behnaz Sovizi - Assistant professor, Department of Obstetrics and Gynaecology, School of Medicine, Sabzevar University of Medical Sciences, Sabzevar, Iran

Hamid Kermani Mokhar - Medical doctor, Sabzevar University of Medical Sciences, Sabzevar, Iran

Mitra Eftekhari Yazdi - Assistant professor, Department of Obstetrics and Gynaecology, School of Medicine, Sabzevar University of Medical Sciences, Sabzevar, Iran

## خلاصه مقاله:

**Background & aim:** Low levels of maternal haemoglobin and haematocrit in the first, second, and third trimesters are considered as possible risk factors regarding low birth weight (LBW) and preterm labour (PTL). The present study aimed to evaluate the relationship between maternal haemoglobin (Hb) and haematocrit (HCT) levels with LBW and PTL. **Methods:** This cross-sectional study was conducted on 383 pregnant women who were admitted in postnatal ward and gave birth to live neonates. Maternal Hb and HCT levels in the first, second, and third trimesters were obtained from medical records. The data were analysed using chi-square test by SPSS software (version 19). **Results:** A total of 383 pregnant women with the mean age of 25.5 years were participated in this study. There was a significant relationship between maternal HCT in the first, second, and third trimesters with LBW ( $P<0.01$ ). Also a significant relationship was observed between maternal Hb in the first, second, and third trimesters with the LBW ( $P<0.01$ ). In addition, a significant relationship was reported between maternal HCT with the PTL ( $P<0.01$ ). There was a significant correlation between maternal Hb in the first, second, and third trimesters with the PTL ( $P=0.01$ ). **Conclusion:** Based on the findings of this study, it was suggested that maternal anaemia should be diagnosed and treated at any stage of pregnancy in order to reduce the risk of the LBW and PTL.

## کلمات کلیدی:

Haemoglobin, Hematocrit, Low birth weight, Preterm labour, Anemia

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/895860>

