

## عنوان مقاله:

Mothers pre-pregnancy body mass index, weight alterations and neonatal birth weight

## محل انتشار:

فصلنامه بین المللی تحقیقات پزشکی، دوره 4، شماره 3 (سال: 1393)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

**Background:** In order to clarify the association between maternal body mass index and gestational weight gain with maternal and fetal complications. **Methods:** In this descriptive cross-sectional investigation, pregnant women with 18-30 years of age referring to health care centers in Sari, Mazandaran, Iran were enrolled. **Results:** In this study 400 pregnant women were examined. The mean  $\pm$  SD age of study population was  $27.8 \pm 4.8$  years. 125 participants (31.3%) were presented with low IOM and 77 patients (19.3 %) were high IOM. The mean weight of fetal birth weight was  $3.2 \pm 0.4$  kg. Weights of 377 newborns were between 2500 to 4000 gr. 8 cases (2%) had low birth weight and 15 cases (3.8%) were over than 4000 gr. The mean  $\pm$  SD of newborns length was  $49.6 \pm 5.6$  cm. The mean  $\pm$  SD of head circumflex of newborns was  $34.4 \pm 3.6$  cm. There was no significant association between mothers BMI and infant head circumflex, height and weight. There was no significant correlation between macrosomia and mothers IOM ( $p=0.07$ ). There was no significant association between infants' weight and mothers IOM ( $p=0.3$ ). There was significant correlation between BMI and IOM ( $p=0.000$ ). Preterm delivery was noted in 6 women (6.5%) with BMI more than 29 and in 1 participant (1.2%) with BMI of 26.1 to 29. There was significant association between BMI and preterm birth ( $p=0.001$ ). Gestational diabetes mellitus was noted in 6 women with BMI more than 29 ( $p=0.000$ ). Gestational diabetes mellitus was reported in 6 women with normal IOM ( $p=0.04$ ). Preeclampsia was noted in 3 women with BMI of 26.1 to 29 ( $p=0.04$ ). **Conclusion:** Pregravid overweight or gaining weight will increase the risk of overweight birth

## کلمات کلیدی:

body mass index, weight, birth weight

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/937070>

