

## عنوان مقاله:

The Role of Obesity Collaborated with Inflammation Phenotypes in the Prediction of Type 2 Diabetes

## محل انتشار:

پنجمین همایش بین المللی و هفتمین همایش سراسری تازه های غدد و متابولیسم (سال: 1398)

تعداد صفحات اصل مقاله: 2

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## خلاصه مقاله:

**Introduction:** The aim of the present study was to investigate the relationship between obesity collaborated with WBC count and the incidence of T2D in first degree relatives of patients with type 2 diabetes. **Materials & Methods:** In a prospective population based cohort study, a total of 2839 participants were followed up from 2003 to 2018. **Results:** At the end of the 15-year follow-up period (median duration of follow-up, 9 years; interquartile range, 5-12 years), 15.1% of participants developed T2D. The incidence of T2D was 23.8 per 1000 person-years (18040 person-years). The multivariate Cox proportional-hazards regression models revealed that development of T2D is significantly associated with Joint obesity and WBC count. The hazard ratios (95% CI) of T2DM are shown in the table 1. The Kaplan-Meier Product-Limit estimates show that the mean time for development of T2D for non-obese participants with low WBC count, non-obese participants with high WBC count, obese participants with low WBC count and obese participants with high WBC count were; 14.1 (13.4–14.9), 12.9 (11.9-13.9), 12.9 (12.5-13.4) and 12.1 (11.7-12.6), respectively; (Gehan-Breslow-Wilcoxon Test  $p < 0.0001$ ). **Conclusion:** The results of present study demonstrated that WBC count along with obesity as a predictor is associated with increased risk of type 2 diabetes mellitus.

## کلمات کلیدی:

