# سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها گواهی ثبت مقاله در سیویلیکا CIVILICA.com



#### عنوان مقاله:

The Effect of Eight Weeks of Aerobic Exercise on Interleukin- ۶, Insulin Resistance and Blood Glucose of Overweight **Female** 

### محل انتشار:

مجله گزارش بهداشت و درمان, دوره 2, شماره 3 (سال: 1395)

تعداد صفحات اصل مقاله: 9

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#### خلاصه مقاله:

Introduction: The important factors in the development of chronic diseases are obesity and overweight. The purpose of this study was to investigate the effect of eight weeks aerobic training on interleukin- ۶, insulin resistance and glucose in overweight young girls. Methods: Twenty-one girls with an age range of ۲۰-۳۰ years were selected voluntarily and randomly divided into experimental (n = 11) and control (n = 10) groups. The aerobic exercise program lasted for A weeks, with a frequency of "sessions per week, with training sessions starting from "minutes in the first session and  $\Delta \circ$  minutes in the final session, and the intensity of  $F \circ - V \circ \%$  of the heart rate reserve. The blood sample was taken before beginning the main study program. The independent sample t-test, paired sample t- test and the Kolmogorov-Smirnov test were used to compare the pre-test and post-test information between the groups. Results: Eight weeks of aerobic exercise had no significant effect on body mass index (p=o.FM), fat percent (p=o.YY), waist to hip rate (p=o.AA), interleukin- ε (p=o.Λε), insulin resistance (p=o.Δε) and glucose (p=o.Υλ) nevertheless significantly reduced the weight (p=o.oof). Conclusion: It appears that eight-week aerobic exercise program could be beneficial for weight loss, but it .did not affect glucose concentration, insulin resistance, interleukin- 9 serum, fat percentage, waist to hip ratio and BMI

# كلمات كليدى:

Interleukin- 7, Insulin Resistance, Glucose, overweight, Training

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