

عنوان مقاله:

RELATIONSHIPS OF SERUM LEPTIN CONCENTRATION WITH INSULIN, GLUCOSE, HbA_{1c} LEVELS AND INSULIN RESISTANCE IN OVERWEIGHT POST-MENOPAUSAL DIABETIC WOMEN

محل انتشار:

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خلاصه مقاله:

Abstract BACKGROUND: Leptin, the product of the ob gene, could have a role in the pathogenesis of obesity and non-insulin dependent diabetes mellitus (NIDDM). The aim of this study was to investigate relationships between serum leptin concentration and insulin, glucose, HbA_{1c} levels and insulin resistance in diabetic women. METHODS: We studied 45 diabetic women and 45 healthy women (controls) who aged 45-60 years and had BMI of 25-30 kg/m². Serum leptin, insulin, HbA_{1c}, fasting blood sugar and insulin resistance were determined in the two groups. RESULTS: There was a significant positive correlation between leptin and insulin ($r = 0.295$, $P = 0.049$) and insulin resistance ($r = 0.329$, $P = 0.027$) in controls but non-significant correlation between leptin and HbA_{1c} and fasting blood sugar were observed in the two groups. CONCLUSION: This study did not document any significant relationship between serum leptin and insulin, glucose, HbA_{1c} and insulin resistance in diabetic women. Keywords: Type 2 Diabetes Mellitus, Leptin, Insulin

کلمات کلیدی:

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