عنوان مقاله:

[Comparison of plasma leptin levels in patients with normal, low and high risk myocardial perfusion scan [Persian

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خلاصه مقاله:

Introduction: Leptin, secreted from adipose tissue may have some correlation with coronary artery disease according to some reports in literature. The mean concentration of plasma leptin in patients with normal and abnormal myocardial perfusion imaging (MPI) and relation of leptin levels, independently to abnormality in MPI after correction for body mass index (BMI) was evaluated. Methods: As a cross-sectional study on 270 patients (July-December 2004), data was collected by questionnaire, history and physical examination. After a 12-hours overnight fast, blood samples were obtained. Myocardial perfusion scan was performed and quantitative assessment according to 17 segments analysis was carried out. Results: For 114(42.2%) males and 156(57.8%) females, mean age was 55.8±0.7. Frequency of normal, low and high-risk scans were 101 (37.4%), 67 (24.8%), and 102(37.8%), respectively. Close relationship between BMI and leptin levels was observed (r = 0.42). One-way ANOVA for BMI, leptin, triglyceride, total cholesterol, LDL-C, HDL-C and fasting blood sugar didn t show differences between three groups(p> 0.05). Adjusted odds ratio of leptin for BMI in presence of abnormal MPI was 1.05 (0.95, CI: 0.82-1.4). Conclusion: .(Serum leptin level shows no correlation with coronary artery disease risk category or factors (excluding BMI

کلمات کلیدی:

Myocardial perfusion scan, Leptin, BMI