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Assessment of serum leptin, lipid profile, glucose level, insulin resistance and BMI in patients with skin tags

Erdinc Terzi[1], Fatma Ceyla Eraldemir[2] and **Irem Yavas[2]**
[1]Orhangazi State Hospital, Turkey
[2]Kocaeli University, Turkey

Background: Skin tags (ST), are small, soft, pedunculated papillomas, usually occurring on the neck, axillae and eyelids. Skin tags are associated with obesity and atherogenic profile.

Aim: The aim of study was to evaluate the relationship between serum leptin, BMI, lipid profile, fasting glucose, insulin levels and homeostasis model assessment of insulin resistance (HOMA-IR) in patients with ST and to compare them with the levels in healthy controls.

Materials & Methods: This study included 84 participant, 45 ST patients and 39 apparently healthy controls. BMI, fasting glucose, insulin levels were estimated in addition to lipid profile, leptin and HOMA-IR levels.

Results: The ST group showed significantly higher values of age, total cholesterol, low density lipoprotein cholesterol (LDL), BMI, trigliceroid, very low density lipoprotein cholesterol (VLDL) and HOMA-IR, when compared with the healthy controls groups. There was no significant difference in sex, leptin levels, high density lipoprotein cholesterol (HDL), glucose and insulin levels between two groups.

Conclusion: The results of this study confirm that ST is associated with obesity and dyslipidemia. Therefore, follow-up these patients with regard to development of disease associated with atherosclerosis may be beneficial.

Biography

Erdinc Terzi has received his Medical degree from Ankara University Medical School in Ankara. He has completed his Residency in Dermatology at Ankara University, Faculty of Medicine and Department of Dermatology from 1998-2002. He has been working as a Specialist of Dermatology at Universal Hospital Groups.

erdincterzi@yahoo.com

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