

Subclinical atherosclerosis and cardiovascular markers in patients with lichen planus: A case-control study



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Abstract

Lichen planus is an idiopathic and chronic inflammatory disease that affects the skin and the mucous membranes, and has been associated with an increased risk for cardiovascular diseases. Hyperhomocysteinemia has been regarded as a risk factor for atherosclerosis and cardiovascular diseases. Increased plasma fibrinogen levels are also associated with increased risk of myocardial infarction.

The main aim of this study is the evaluation of common carotid artery mean intima media wall thickness, serum fibrinogen and homocysteine levels in patients with lichen planus. Forty-three patients with lichen planus and 43 age, gender and body mass index (BMI) matched healthy controls (from general population without the disease) were included in this study. Compared to the healthy controls, patients had statistically significant greater mean intima media wall thickness of the common carotid artery. Moreover, a positive correlation was observed between lichen planus and increased serum homocysteine and c-reactive protein levels. Early diagnosis of atherosclerosis in patients with lichen planus might afford better prophylaxis, including weight control and/or lipid profile monitoring. Measurement of the mean intima media wall thickness of the common carotid artery by duplex high-resolution B-mode ultrasound scanning could be beneficial as a valuable method for early diagnosis of atherosclerosis in lichen planus.

Biography

Afsaneh Sadeghzadeh Bazargan has completed her dermatology specialty at the age of 30 years from shahid beheshti University of Medical Sciences, Tehran, Iran. She won the top 5% in the Iran dermatology board exam and now she is the assistant professor of Iran University of medical sciences, Iran.

Publications

Nasiri S, Sadeghzadeh-Bazargan A, Robati RM, Haghghatkhah HR, Younespour S., *Indian J Dermatol Venereol Leprol.* 2019 Mar-Apr;85(2):138-144

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