

عنوان مقاله:

The Relationship between serum vitamin D levels and ankle-brachial index in patients with metabolic syndrome

محل انتشار:

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نویسندگان:

Davoud Kazemisaleh - Associate Professor, Atherosclerosis Research Center, Baqiyatallah University of Medical Sciences, Tehran, Iran

Keivan Kiani - Resident, Hypertension Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran

Masoumeh Sadeghi - Professor, Cardiac Rehabilitation Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran

Hamidreza Roohafza - Associate Professor, Psychosomatic Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran

Minoo Dianatkah - Heart Failure Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran

Nizal Sarrafzadegan - Professor, Isfahan Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran

خلاصه مقاله:

BACKGROUND: Vitamin D deficiency is a prevalent condition in Iran and previous studies have shown that a low level of serum vitamin D is related to low ankle-brachial index (ABI). In the present study, the relationship of the serum level of vitamin D with ABI, as an index for atherosclerosis of peripheral arteries, was evaluated. **METHODS:** In this cross-sectional study, data on 91 patients with metabolic syndrome (Mets) from the Isfahan Cohort Study (ICS) were analyzed in order to evaluate the association between serum 25(OH) vitamin D level and ABI. The participants were divided into two groups; group A with desirable serum vitamin D level and group B with abnormal serum vitamin D level. ABI was measured and compared between these groups. **RESULTS:** A crude and adjusted model showed no association between vitamin D level and ABI in patients with MetS. **CONCLUSION:** It can be concluded that serum vitamin D level could not affect ABI in patients with MetS.

کلمات کلیدی:

Vitamin D, Ankle Brachial Index, Metabolic Syndrome

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