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Depression in patients with peripheral arterial disorder

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ABSTRACT :

Background/objective:The aim of the present study wasto examine the association of depressive symptomatology with PAD, independently of traditional risk factors.
Method: The sample comprised of 300 individuals (M_{age}=65.3±8.7 years, 61.0% female) recruited from the offices of 33 general practitioners. Based on at-rest ankle-brachial index (ABI) values and claudication symptoms, four subsamples were formed: clear PAD-positive, clear PAD-negative, ABI-negative but symptomatic, and anon-compressible-artery group. The role of depression (assessed by a shortened version of the BDI), in predicting PAD status was examined using multinomial logistic regression analysis – controlled for sex, age, hypertonia, diabetes, smoking, hazardous drinking, and body mass index.
Results: Depressive symptomatology was significant in predicting PAD status for the clear PAD-positive(OR: 1,48 (1,33-165)), theABI-negative but symptomatic(OR: 1,37 (1,22-1,53)) andfor the non-compressible-artery group (OR: 1,44(1-1,3)) aftercontrolling for traditional risk factors.
Conclusions:Beside age and smoking, depressive symptoms have also significantly associated with PAD status.

Biography: Dr. Gergely Tóth-Vajna is a PhD student at Semmelweis University, Budapest. His research focuses on the psychosomatic aspects of peripheral arterial disease.

1. Tapasztalataink az alsó végtagi perifériás artériás érbetegség szűréséről az Észak-Magyarország régióban
2. Depressive symptomatology and personality traits in patients with symptomatic and asymptomatic peripheral arterial disease
3. Screening of peripheral arterial disease in primary health care

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