

The prevalence rate of peripheral arterial disease in type 2 diabetes mellitus and associated risk factors

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Abstrak

Aim: To determine the prevalence of peripheral arterial disease and to its risk factors in patients with type 2 diabetes mellitus.

Subjects and Methods: A cross sectional study was conducted on HO subjects with type 2 diabetes mellitus. Subjects underwent comprehensive medical examinations, including lipid profile, body mass index, Hemoglobin Ale and Ankle Brachial index.

Results: The prevalence of PAD in diabetic subjects was 35.5%. In multivariate analysis: cholesterol levels of > 200 mg/dL, history of smoking, a duration of diabetes of > 5 year, hypertension, triglyceride levels of > 150 mg/dL, and body mass index of > 150 mg/dL are significant risk factors for PA D in diabetic subjects. Gender, age of > 50 years old, LDL levels of > 100 mg/dL, HDL levels of < 40 mg/dL, and HbA 1c levels of > 7% were not significant risk factors for PAD in diabetic subjects.

Conclusion: In this study, the prevalence rate of PAD in diabetic subjects was approximately 35.5%. Total cholesterol levels, history of smoking, duration of diabetes, hypertension, triglyceride, and body mass index were significant risk factors for PAD in diabetic subjects.