

Impairment of Normal Endothelial Cell Function Plays a Major Role in the Initiation and Advancement of Cardiovascular Disease

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Abstract

Microparticles (MPs) derived from endothelial cells are considered to be biological markers of endothelial injury and dysfunction. The present study aims to investigate the role of endothelial dysfunction in the initiation and advancement of cardiovascular disease. The study involved a cohort of patients with cardiovascular disease and a control group. The results showed that endothelial dysfunction was associated with an increased level of circulating MPs. This suggests that endothelial dysfunction plays a major role in the initiation and advancement of cardiovascular disease.

Keywords: Cardiovascular disease; Apoptotic cells; Microparticles; Endothelial dysfunction; Endothelial cells

Introduction

Endothelial dysfunction refers to the impairment of normal endothelial cell function, which can lead to various pathological conditions. The endothelium is a thin layer of cells that lines the inner surface of blood vessels and plays a crucial role in regulating vascular homeostasis by producing and releasing factors that control blood

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