



Vasa Vasorum and Coronary Artery Disease

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Commentary

Some arterial diseases reveal endothelial cell dysfunction, in which vasa vasorum play an important role. One of them is the atherosclerosis. Another is Kawasaki disease, we proposed, in which middle-sized arteritis, aortitis, and their aneurysms are due to vasa vasorum vasculitis. In these diseases, many studies have accumulated on the pathogenesis of endothelial cell dysfunction. However, these studies may be adapted to the endothelial cells of every artery, and coronary artery is not specific to them.

Coronary artery has vasa vasorum recognized unique origination and distribution which worse reduced blood flow through vasa vasorum vasculitis due to reduced host vessel, coronary blood flow, by the decrease in the distensibility of the coronary artery wall.

We proposed a novel treatment of these diseases based on our hypothesis that predilection of coronary artery is attributed to medial ischemic necrosis due to involvement of vasa vasorum.

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