Giant aneurysm of the left coronary artery in a female patient at the Clinical Hospital Center of Rijeka

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KEYWORDS: aneurysm, percutaneous coronary intervention.

CITATION: Cardiol Croat. 2023;18(3-4):77. | https://doi.org/10.15836/ccar2023.77

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A giant aneurysm is a restricted expansion of a blood vessel. The most common aneurysms are found on the aorta, the largest blood vessel in the body. A giant aneurysm can also be found on coronary arteries and, thus, on peripheral blood vessels. Giant aneurysms of coronary arteries are rare, accounting for 0.02% - 0.2%. The cause of giant aneurysms is a deterioration of the blood vessel wall. Other causes of aneurysms may include atherosclerosis, congenital diseases, Kawasaki disease in children, Takayasu's arteritis, connective tissue disease, vasculitis, and coronary artery trauma, as a result of percutaneous coronary intervention. Clinical outcomes of giant aneurysms may include thrombus formation, rupture, embolization, and fistula formation. Resections of giant coronary aneurysms can be performed surgically and by percutaneous invasive approach.[1,2] This paper is a case report on a patient diagnosed with a giant aneurysm of the left coronary artery (50x45x40mm). This paper presents an invasive percutaneous coronary intervention which successfully excluded the giant aneurysm from the coronary circulation.

RECEIVED:
February 17, 2023
ACCEPTED:
February 22, 2023

LITERATURE

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