

Comparison of MSCT coronary angiography with invasive coronary angiography

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MSCT coronary angiography or CT coronary angiography is a newer radiological diagnostic method that uses computerized tomography (CT) to provide detailed insight into the anatomy of the heart and coronary arteries, i.e. the blood vessels that supply the heart. Narrowing and blockage of coronary arteries belong to the group of diseases of the heart and blood vessels, diseases that are still the first cause of death in the Republic of Croatia. CT coronary angiography is one of the methods by which diseases of the heart and blood vessels can be detected in time and treated. CT coronary angiography is most often compared with classic, invasive coronary angiography. During a classic, invasive coronary angiography the artery leading to the heart is entered through the groin or arm, and the coronary arteries are visualized with the help of a contrast. Unlike classic, invasive coronary angiography, CT coronary angiography is a non-invasive, highly accurate method that does not require a hospital stay, and the contrast medium is applied through a peripheral vein on the arm, as with any other contrast test, providing a detailed view of the coronary arteries. This alone reduces the risk of complications and speeds up the diagnostic process. Therefore, the procedure is quick, i.e. it takes only a few minutes, and after the examination the patient can return to his usual activities. Another great advantage of CT coronary angiography is less exposure of the patient to radiation.¹This work will compare two methods based on the data collected on our 25 patients.

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LITERATURE

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