

## Rotational coronary angiography as a safe and effective method

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Rotational coronary angiography is a new imaging technique involving three-dimensional rotation of the gantry around the patient with simultaneous left to right and craniocaudal movements<sup>1</sup>. This allows complete imaging of the left or right coronary tree with a single acquisition run. After preparing the patient for procedure and radial artery puncture, the operator cannulates the left main coronary artery (LMCA) with a customized catheter, and places the X-ray device in the isocenter for performing the continuous rotational imaging procedure. With its dynamic recording range, it enables us to find the most adequate projection/position from which, if necessary, intervention on the lesion of a certain coronary artery will be performed. In 9 seconds, which is the time period of rotation for imaging the left and right coronary tree, 36 ml of contrast medium is applied to the patient, which greatly reduces the load on the kidneys, unlike conventional imaging of the coronary arteries. This way of performing the procedure is very important for patients with kidney failure and high creatinine values.

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### LITERATURE

1. Grech M, Debono J, Xuereb RG, Fenech A, Grech V. A comparison between dual axis rotational coronary angiography and conventional coronary angiography. *Catheter Cardiovasc Interv.* 2012 Oct 1;80(4):576-80. <https://doi.org/10.1002/ccd.23415>