

Anomalous Origin of the Left Main Coronary Artery

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Congenital anomalies in coronary arteries are rare and difficult to predict. They are present in about 0.2-1.4% of all necropsies or coronariographies.

Left main coronary artery is one of the most rare among all the different anomalies reported in literature, about 0.02-0.04% of all coronary anomalies.

This case shows a coronariography in a female patient, aged 67, with symptoms of dyspnea, positive grade treadmill test with angor at high workload, and ECG at rest with no ischemic changes. Echocardiogram with evidence of septal hypertrophic cardiomyopathy.

She was performed a coronariography, which identifies coronary arteries with no obstructive lesions, and the presence of left main coronary artery (LMCA) originated next to the right coronary artery (RCA) in a single common ostium, in the right coronary sinus. Left coronary artery is bifurcated into anterior descending (AD) and circumflex (CX) branches, within normal anatomical parameters.

No single coronary artery originated in left coronary sinus visible.

