



Dual Left Anterior Descending Artery in ALCAPA: A Rare Malformation

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Clinical Image

Left main pulmonary artery was arising from Main pulmonary artery from posterior sinus and it was divided into short lad and left circumflex artery. Short LAD gave one septal branch and then terminated large diagonal branches which were tortuous in their course. LCX showed normal course in the left atrioventricular groove. Right coronary artery showed normal origin from the right coronary cusp. RCA and its acute marginal artery were dilated and it also gave Long LAD artery coursing in the anterior interventricular groove and reaching up to the cardiac apex. Long LAD gave origin to multiple septal and diagonal branches which supplied the interventricular septum and the anterior wall of the left ventricle.

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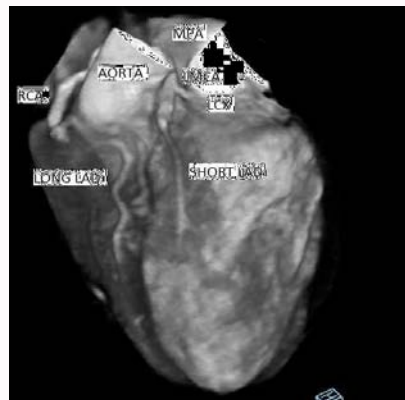
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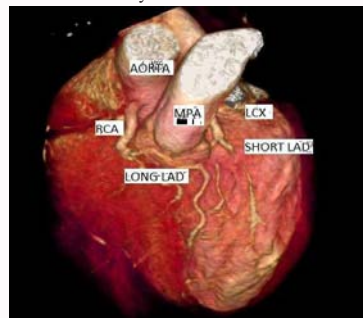
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MPA: Main Pulmonary Artery; LAD: Left Anterior Descending Artery; RCA: Right Coronary Artery; LCX: Left Circumflex Artery



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Figure 1 and 2: CT coronary angiography demonstrated anomalous origin of LAD with combination of dual LAD and ALCAPA.