

Case Report

Origin of left coronary artery arising from the right coronary cusp

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Abstract

Anomalous coronary artery origin is a rare clinical entity with varied clinical outcomes ranging from asymptomatic to sudden cardiac death. The incidence of anomalous origin of left coronary artery arising from the right coronary cusp is 0.3-1%. CT angiography is the choice method for coronary anomalies, but often coronary angiography in RAO (right anterior oblique) view shows the coronary course. We present a case that referred to our hospital with post myocardial infarction angina for coronary angiography. A resting 12-lead electrocardiogram showed ST-segment elevation in leads v2, v3, v4. A transthoracic echocardiogram indicated LVEF 25% (Left ventricular ejection fraction), septal akinesia and apical dyskinesia. Coronary Angiography showed an anomalous origin of the left coronary artery from the right coronary cusp and significant stenosis in LAD (left anterior descending) and LCX (left circumflex) arteries with poor run off.

Keywords: Anomalous coronary artery, Myocardial infarction, Sudden cardiac death

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Received 4 August 2012

Revised 15 April 2013

Accepted 2 June 2013