Double Right Coronary Artery from Different Ostia

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A 70-year-old man was admitted to our clinic with unstable angina pectoris. Coronary angiography was performed due to persistent symptoms despite medical treatment. A critical stenotic lesion was observed in the midportion of the left anterior descending (LAD) artery while the left coronary arteries were of normal origin and distribution. Injection of radiopaque material into the right sinus showed a double right coronary artery (RCA) originating from different ostia; this was also confirmed by computed tomography angiography (Pictures 1 and 2).

Double RCA is a very rare coronary anomaly to date 23 cases have been reported, however the double RCA originated from different ostia in only seven cases. Interestingly, 16 of these 23 cases were reported from Turkey and 20 of 23 patients are male (1). These findings suggest that sex predominance and genetic susceptibility may play an important role in the development of this anomaly.

Reference


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