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Coronary artery fistula associated with mitral valve regurgitation in a young symptomatic patient: A case report

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Congenital coronary artery fistulas are rare cardiac defects. A fistula associated with other cardiac anomalies, like valvular heart disease, is an extremely rare condition. We report a young symptomatic patient who presented with a continuous murmur heard along second right intercostal space and a systolic murmur at the apex on clinical examination. Chest x-ray showed left ventricular prominence and transthoracic echocardiography with Doppler studies showed right coronary fistula draining into the right atrium and moderate mitral regurgitation. She is being followed up with medical management at the outpatient department. We recommend coronary angiography with cardiac catheterization and if patient will give her consent, surgical repair of the fistula with possible mitral valve surgery is recommended. We conclude that diagnosis of coronary artery fistula should be considered when patient presents with continuous murmur. A non-invasive test, like transthoracic echocardiography with Doppler studies, can demonstrate dilated coronary arteries and their receiving chambers or vessels.

Biography

Jenny-Lynn V Juhuri has completed her Medical Technology degree from University of Santo Tomas, Philippines and her Medicine degree from University of Santo Tomas Faculty of Medicine and Surgery.

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