

Cor Triatriatum Sinister and Patent Ductus Arteriosus in a 23 year-old Filipino

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Abstract

Cor triatriatum is a rare cardiac condition involving the left atrium, representing only 0.1-0.4% of all congenital heart diseases. It presents as one of the atrium being divided into two chambers by a fibromuscular membrane and classically appear on the left atrium.

We report the case of a 23-year old Filipino female with orofacial cleft, presenting with symptoms of decompensated heart failure. Clinical examination revealed the presence of diastolic murmur, 5/6, with accentuated pulmonary component of the second heart sound. Cardiomegaly was seen on chest x-ray and right ventricular hypertrophy on electrocardiogram. Transthoracic echocardiogram (TTE) shows Cor triatriatum sinistrum; dilated left atrium divided by a membrane into a proximal and distal chamber; dilated right atrium; dilated right ventricle with right ventricular hypertrophy; dilated main pulmonary artery; and severe pulmonic regurgitation with severe pulmonary hypertension.

TTE should provide accurate and sufficient characterization of cardiac anatomy for optimal diagnosis but because of its rarity, can be missed. A transesophageal echocardiography (TEE) provides excellent resolution and offers invaluable assistance to surgical intervention. TEE was done upon follow up to rule out associated congenital abnormalities which only showed patent ductus arteriosus.

Surgery provides a satisfactory early and long term survival. Therefore, accurate evaluation of cor triatriatum is the key. Our report highlights early diagnosis and the utility of transesophageal echocardiography in the diagnosis of such congenital cardiac abnormalities and associated lesions.

Biography:

Aila Velasco is a graduate of Doctor of Medicine at Saint Louis University last June 2017, passing the Physician Licensure Examination in the Philippines last September 2018. She is currently under the training program for Internal Medicine. Her experience for research was based on her pre-medicine course in the University of the Philippines and during her post graduate years; where her skills for writing were honed by being a part of the University publication. Writing a medical paper in is a continuous process, a rapidly expanding experience, a challenge but also an opportunity for scientific knowledge.



[5th Global Summit on Heart Diseases](#); August 20-21, 2020.

Abstract Citation:

Cor Triatriatum Sinister and Patent Ductus Arteriosus in a 23 year-old Filipino, Heart Diseases Summit 2020, 5th Global Summit on Heart Diseases; August 20-21, 2020