Common atrium: A rare congenital heart anomaly

Ortak atriyum: Ender görülen bir doğuştan kalp anomalisi

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electrocardiogram.

was 130/85 mmHg. There was no pretibial edema and the lungs were clear. There was no physical congenital abnormality. Her electrocardiogram was in normal sinus rhythm with a complete right bundle branch block. Oxygen saturation measured with finger pulse oximetry

We present a case of an attachments to the interventricular septum asymptomatic 23-year-old were on the same anatomic plane, and there woman who was referred was no cleft of the mitral valve (Figure B, C, for an abnormal routine Video^{*}). Doppler examination revealed mild



Her mitral and moderate tricuspid regurgitation. Systolic past medical history was pulmonary arterial pressure was 40-45 mmHg. A major normal. She had a previ- vessel opening to the left side of the atrium was thought ous uneventful pregnancy to be a pulmonary vein. The inferior and superior vena with a healthy child. Dur- cava were opening normally into the right side of the ing auscultation, a mild atrium. The patient was informed about the disease holosystolic murmur was and its progression and referred for corrective surgery. heard at all auscultation Common atrium (CA) is a rare congenital anomaly in points, gaining intensity at adults and is also known as single atrium or cor trilocuthe apex and mesocardiac lare biventriculare. Rastelli et al. described three chararea. While S1 was nor- acteristic findings of CA: 1) complete absence of the mal, a widely split S2 was interatrial septum, or a small strand of tissue present in heard. Pulse rate was 92/min and arterial blood pressure the cephalad wall of a common chamber, 2) absence of interventricular communication, 3) an accompanying cleft in the anterior leaflet of the mitral valve. Similarly, our patient had a common atrium without an interatrial septum and absence of interventricular communication, but did not have a cleft on the anterior mitral leaflet. was 89%. Chest radiography showed increased pulmo- Patients with CA are usually admitted in late childhood nary vascularity, mild cardiomegaly and left atrial en- or young adulthood with nonspecific symptoms like largement (Figure A). Complete absence of the interatri- dyspnea, palpitation, fatigue or syncope. Interestingly, al septum and normal left ventricular dimensions and despite undergoing a challenging process-pregnanfunctions were detected in transthoracic echocardiog- cy-in her past medical history, our patient remained raphy. The main pulmonary artery and right ventricle asymptomatic. Herein we present an asymptomatic were dilated and a paradoxical motion of the interven- patient diagnosed incidentally and showing an unusutricular septum was observed. Mitral and tricuspid valve al disease presentation. According to the current data,

> echocardiography is the first line diagnostic tool, and corrective surgery is the mainstay of therapy. Additionally, early diagnosis is crucial before progression to Eisenmenger syndrome, which is a contraindication for corrective surgery.

> Figures-(A) Chest X-ray revealed cardiomegaly and left atrial enlargement. Echocardiogram showing CA with no interatrial septum and absence of interventricular communication, systolic (B) and diastolic (C) images from apical view. LV: Left ventricle; RV: Right ventricle; CA: Common atrium. *Supplementary video files associated with this presentation can be found in the online version of the journal.

