

**DOB:** 2018-01-01      **Age:** 5 months 27 days      **Study Time:** 03:31 PM  
**Gender:** F      **Reading Group:** Reset Reading  
**HR:** 131      **Referring Group:** AAA Medical  
**Height:** 65 cm      **Weight:** 6.53 kg      **Sonographer:** George^Foobar  
**BP:** 83/55 mmHg      **BSA:** 0.36 m<sup>2</sup>  
**BMI:** 15.45

**Study Quality:** Good

**Diagnosis Code:** I49.9 Cardiac arrhythmia  
 Q21.1 Atrial septal defect

**Indications:** History of fetal arrhythmia and cardiac shunts  
 Evaluate cardiac structure and function

**Procedure Code:** 93303 Transthoracic echocardiography for congenital cardiac anomalies; complete

<b>Left Atrium</b>		<b>Right Ventricle</b>		<b>Pulmonic Artery</b>	
LA (Mm)	1.0 cm	RVIDd (Mm)	1.2 cm	LA / Ao	1.1
LA (Mm) Z-Score	-2.93	RV (Mm) Z-Score	1.42	<b>Coronary Artery</b>	
<b>Left Ventricle</b>		<b>Aorta</b>		LMCA	1.2 mm
EF	68.0 %	AoD Annulus	0.9 cm	LAD	1.5 mm
IVSd (Mm)	0.5 cm	AoD Annulus Z-Score	-0.34	CX	1.5 mm
IVSd (Mm) Z-Score	0.04	AoD Root	1.5 cm	RCA	1.1 mm
LVPWd	0.5 cm	AoD SOV	1.5 cm	PD	1.5 mm
LVPWd Z-Score	1.64	AoD SOV Z-Score	2.05		
LVPWd (Mm)	0.4 cm	AoD ST Junction	1.1 cm		
LVPWd (Mm) Z-Score	-0.99				
LV Mass	16.9 g				
LV Mass / BSA	47.03 g/m <sup>2</sup>				
LV FS (midwall)	31.0 %				
LVIDs (Mm)	1.7 cm				
LVIDs (Mm) Z-Score	0.62				
LVIDd (Mm)	2.4 cm				
LVIDd (Mm) Z-Score	-0.65				
IVST	15.0 %				
LVRWT	0.33				

After informed consent, a complete Pediatric Echocardiogram was performed.

### Findings:

- Levocardia. Abdominal situs ambiguous. Atrial situs solitus. D ventricular loop. Atrioventricular and ventriculoarterial relationships are normal (concordant). S normal position of the great vessels.
- Systemic and hepatic venous connections appear normal. Hepatic veins drain normally into the inferior vena cava. Four pulmonary veins enter the left atrium.
- Left atrial cavity is normal in size. Right atrial cavity is normal in size. Interatrial septum is intact.
- Mildly LV-dominant atrioventricular canal. Mild calcification of the atrioventricular valve annulus.
- Left ventricle cavity is normal in size. Normal left ventricular shape. Right ventricle cavity is normal in size.
- Truncal valve present.
- There is mild narrowing of the isthmus. There is discreet narrowing of the descending aorta. Aortic arch not well visualized; cannot rule out coarctation on the aorta.
- No patent ductus arteriosus.
- Left main coronary artery and left anterior descending coronary artery arise normally.
- Dilated right coronary artery of anomalous origin.
- Normal pericardium with echobright anterior pericardial effusion with insignificant fluid.

### Conclusions:

Levocardia. Abdominal situs ambiguous. Atrial situs solitus. D ventricular loop. Atrioventricular and ventriculoarterial relationships are normal (concordant). S normal position of the great vessels. Mildly LV-dominant atrioventricular canal. Mild calcification of the atrioventricular valve annulus. Truncal valve present. There is mild narrowing of the isthmus. Aortic arch not well visualized; cannot rule out coarctation on the aorta. Dilated right coronary artery of anomalous origin.

CSI Admin Staff

Electronically Signed on Studycast  
 April 23, 2019 08:37 AM EDT