



DATE RESENTING CLINICAL SIGNS
 History: Grade VI/VI continuous murmur.

9/9/21
ECHOCARDIOGRAPHIC FINDINGS
 2D, M-mode, and Doppler study.

PERFORMED BY: There is mild left atrial dilation. The mitral valve is normal. Left ventricular wall thickness is normal. There is mild left ventricular dilation. Left ventricular systolic function is normal. There is turbulent flow in the left ventricular outflow tract traveling from the outflow tract to the right ventricle, consistent with a perimembranous ventricular septal defect. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve appear normal, though there is mildly increased flow velocity in the main pulmonary artery. No evidence of a patent ductus arteriosus is seen. No pericardial effusion or cardiac masses are seen.

Loetitia Saint-Jacques, RVT, LVT

INTERPRETED BY

Keith Blass, DVM, MS, DACVIM (Cardiology)

PATIENT LA - 14.1 mm
 LA/Ao - 1.74
 IVSd - 2.8 mm
 LVPWd - 2.9 mm
 Okiku NHS LVIDd - 16.1 mm
 LVIDs - 8.6 mm
SPECIES FS - 46.5%
 VSD - 4.0 m/s
 Feline Ao - 1.93 m/s
 RVOT - 1.97 m/s

BREED ASSESSMENT/RECOMMENDATIONS
 Ventricular septal defect (VSD)

DSH This examination demonstrates evidence of a left-to-right shunting perimembranous VSD. Secondary to the shunting of blood through the VSD, Okiku has mild dilation of his left heart chambers, as well as mildly increased flow velocity in his aorta and pulmonary artery. As Okiku is only three months of age and has mild left heart chamber dilation, careful monitoring for the development of progressive dilation is present, as this could put him at risk for the development of left-sided congestive heart failure and/or pulmonary hypertension.

SEX

MN

AGE While a VSD was seen in this exam, it should now account for the presence of a continuous murmur. It's possible that Okiku's murmur could be holosystolic and his rapid heart rate makes it difficult to distinguish this from a continuous murmur, however, if a continuous murmur is truly present, it's possible that a systemic to pulmonary shunt that was not visualized in this exam could be present.

3 mo

WEIGHT I recommend starting Okiku on enalapril (0.25-0.5 mg/kg BID), as this medication should help to reduce the amount of blood shunting through his VSD.

1.4 lb

HOSPITAL NAME A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6 months. Thoracic radiographs are recommended if Okiku experiences respiratory clinical signs.

Nevada Humane Society

REFERRING VET

Dr. Slatin



DATE

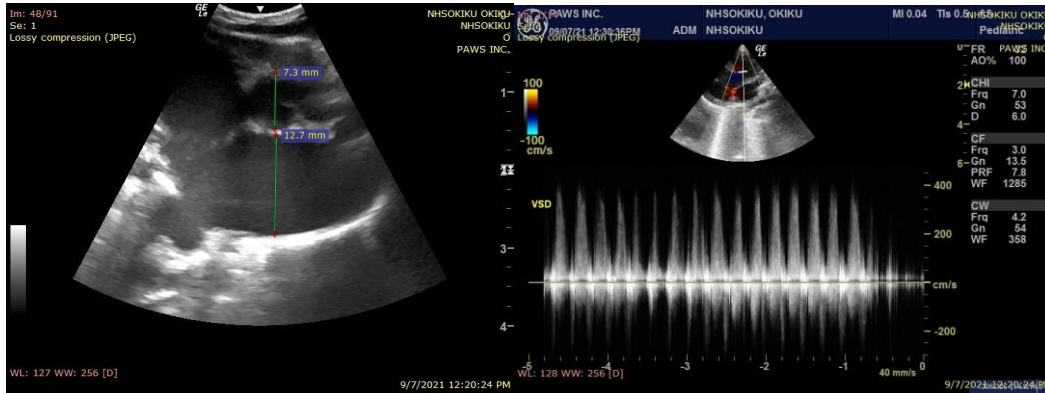
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Okiku NHS

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

SPECIES

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631-804-5754

Feline

BREED

DSH

SEX

MN

AGE

3 mo

WEIGHT

1.4 lb

HOSPITAL NAME

Nevada Humane Society

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