

PATIENT

Evee Toney

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Spayed Female

AGE

7 Years

WEIGHT

11.8 pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Creekside Veterinary
 Clinic

REFERRING VET

Dr. Strahon

INVOICE

14928

DATE

04/07/26

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: 6/2019 Echocardiogram: Diagnosed with ventricular septal defect with left to right shunting. No congestive heart failure noted. Currently coughing and sneezing frequently. HR/RR/BP: 120/40. Is there a Heart Murmur? If so, please grade. 2/6. Radiographic Findings: 6/28/19: Moderate cardiomegaly. Diffuse vascular pattern. Sternal wall abnormality. Notes to Specialist (if any): Recheck Echocardiogram.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	1.04	1.31	36.94	--	0.13
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	NM	1.25	1.17	5.836	2.2	2.22	1.4

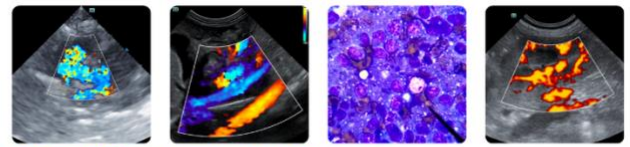
Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic insufficiency. There is mild aortic insufficiency. The aorta appears normal. There is a small area of echo dropout in the perimembranous region best identified on right parasternal long access images. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Aortic insufficiency.
- Echo dropout within the interventricular septum along the perimembranous region. Rule out ventricular septal defect.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



PATIENT

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The patient does have a region that is likely consistent with the previously diagnosed ventricular septal defect. Velocities are not measured. However, based upon color doppler, it does appear to be going left to right. The left atrial size is normal and there is no other indication of significant cardiac disease.

SPECIES

Canine

The cause of the patient's coughing and sneezing is not secondary to cardiac disease. I would recommend a recheck echo in 10 to 12 months, sooner if the murmur is worsening in intensity or the patient develops a new heart murmur. Given the history of coughing, I would recommend obtaining chest radiographs to evaluate for any other underlying cause. Cardiac medications are not indicated at this time.

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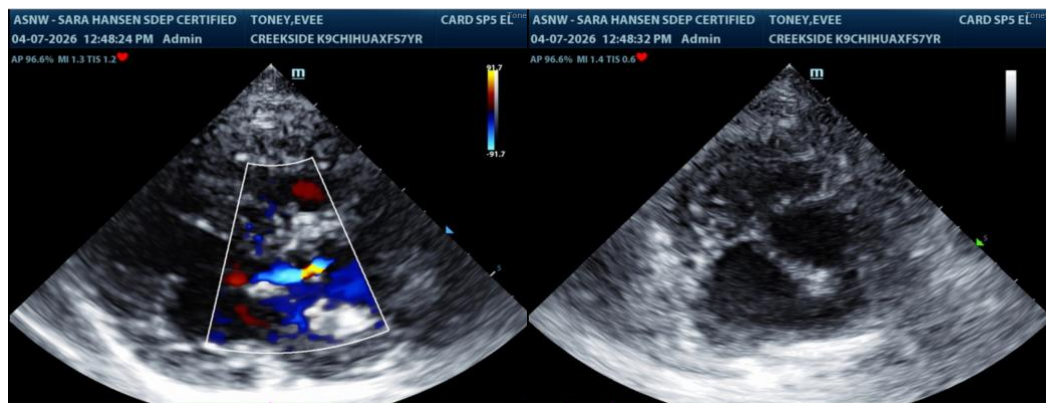
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

IMAGING PERFORMED BY

Sara Hansen

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.

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info@SonoPath.com

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