



PATIENT PRESENTING CLINICAL SIGNS

Sassy Pike Patient presented for reverse sneezing and owner suspected difficult breathing. Abnormal PE/Chem/CBC/UA Results: Chest Radiographs Show possible mass on VD view over the cardiac shadow. No obvious murmur noted on exam. Patient is stable does not have difficulty breathing at this time.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Fox Wirehaired Terrier

SEX

Spayed Female

AGE

10 Years

WEIGHT

18.4 Pounds

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			NM	1.1	43	77.3	0.2
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	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	NM	0.86		2.2	2.1	

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Dr. Garry Gotfredson

HOSPITAL NAME

Red Hills VH

REFERRING VET

Dr. Clare Panning

INVOICE

33423

DATE

12/14/21

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral valve** leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window. Brief sonographic assessment of the liver and cranial abdomen revealed no evidence of hepatic congestion or cranial abdominal ascites/masses.

ULTRASONOGRAPHIC FINDINGS

- Normal echocardiogram



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overt evidence of a pericardial or pulmonary mass within the pericardial regions was not definitively evident. Radiographic monitoring could be considered if strong clinical concern for potential mass overlaying the cardiac shadow. Sonographic reassessment or potential referral for thoracic CT is recommended.





PATIENT

Sassy Pike

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.

SPECIES

Canine

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.

BREED

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info@SonoPath.com

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