



PATIENT PRESENTING CLINICAL SIGNS

Addy Jackson History: Has heart problems

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

Pitbull

SEX

Spayed female

AGE

2 years

WEIGHT

47 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING
PERFORMED BY

Sara Hansen

HOSPITAL NAME

The Pet Clinic

REFERRING VET

Dr. Genova

DATE

1/17/23

Invoice
42198

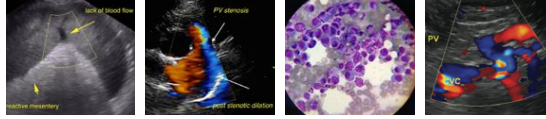
The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented normal 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). A mixed, hypoechoic, complex, mineralizing mass that measured 5.8 cm. The mass was deriving from the body wall and rib cages as reported on the CT. It does not appear to involve the heart, yet impinges upon it. No **pleural effusion** or intrathoracic masses were noted.

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			1.16	1.06	52	83	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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	BELOW	BELOW	BELOW	BELOW
PATIENT		2.08	1.49	47 lbs	4.0	4.38	

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram.

Complex, mineralizing costal/body wall mass. Does not appear to involve the thoracic cavity.



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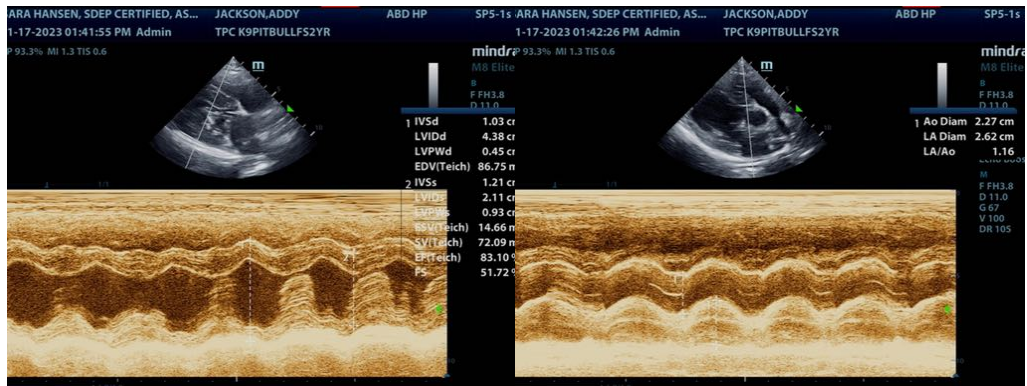
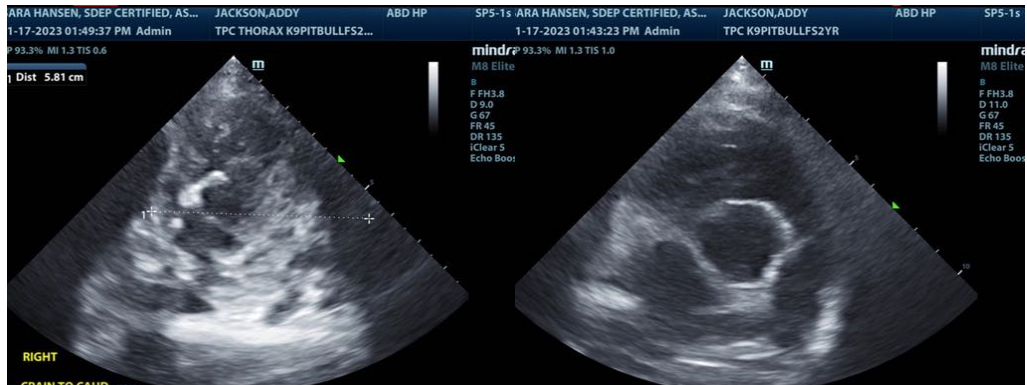
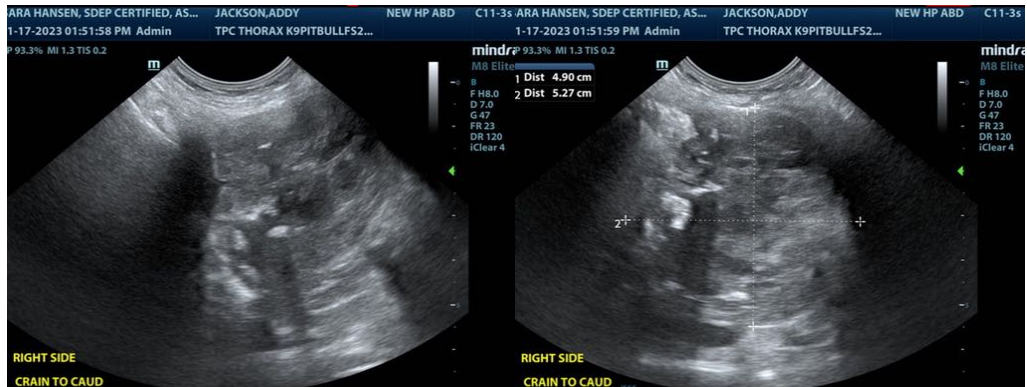
The Pet Clinic

REFERRING VET

Dr. Genova

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

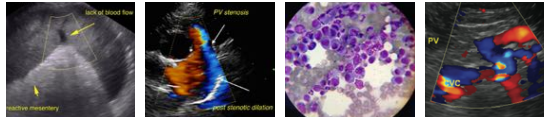
Surgical or oncological consolidation is recommended. Chondrosarcoma or similar is suspected. Abdominal sonogram is recommended to assess for metastatic disease or concurrent comorbidities.



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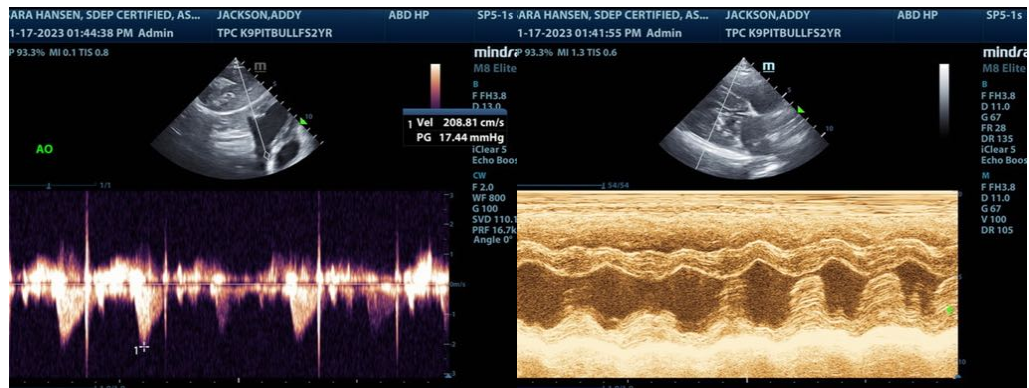
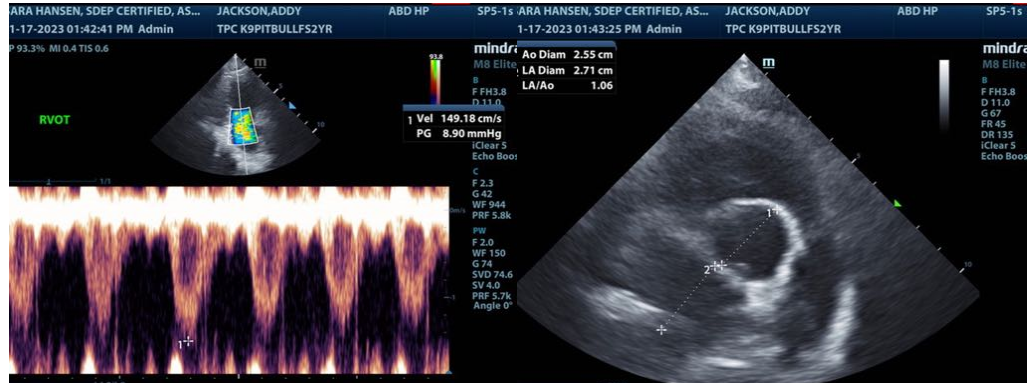
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS

CEO of Sonopath.com

Eric.Lindquist@SonoPath.com