

PATIENT PRESENTING CLINICAL SIGNS

Lexie Kmiec Echo, current meds: Pimobendan 5mg PO BID, Furosemide 20mg PO BID, ALK PHOS 591, proBNP 3532

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine

BREED

PitBull

SEX

FS

AGE

13 yr

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Advanced Vet Care

REFERRING VET

Dr. Weingartner

INVOICE

10696ag

DATE

05/31/2022

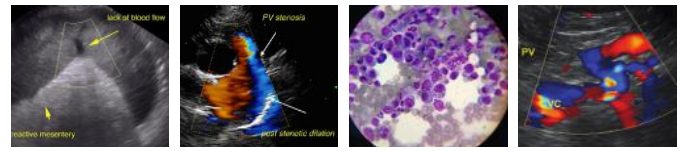
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.3	28-40	40-100	<0.6
PATIENT			NM	1.9	45	90	0.2
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis 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	72	143	120		6.5	4.55	

Cardiac Presentation

The echocardiogram for this patient presented excessive left atrial size expressed both in the LA/AO and LA max measurements. Chamber volumes and echogenicity were normal. The cranial and caudal mitral valve leaflets presented vegetative thickening consistent with endocardiosis. Mitral insufficiency velocity measured 5 m/s. 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 or chamber overload. Tricuspid valvular assessment demonstrated insufficiency with moderate pulmonary hypertension measuring 3/5. The right ventricle was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. Pulmonic 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. No echographically detectable evidence of infiltrative disease was visible. The cranial mediastinum and pericardial regions were free of masses in the visible window. Arrhythmogenic activity was noted with bradycardia.

ULTRASONOGRAPHIC FINDINGS

- Stage C1 valvular disease
- Left sided heart failure with pulmonary hypertension



PATIENT

Lexie Kmiec

SPECIES

Canine

BREED

PitBull

SEX

FS

AGE

13 yr

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Advanced Vet Care

REFERRING VET

Dr. Weingartner

INVOICE

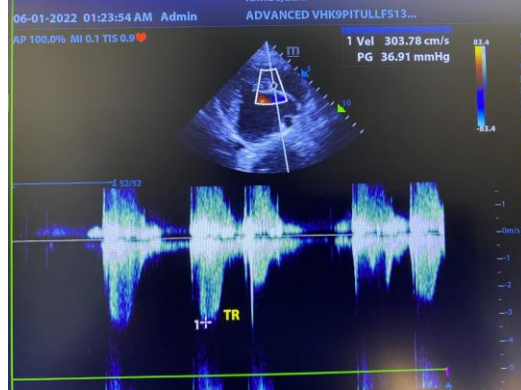
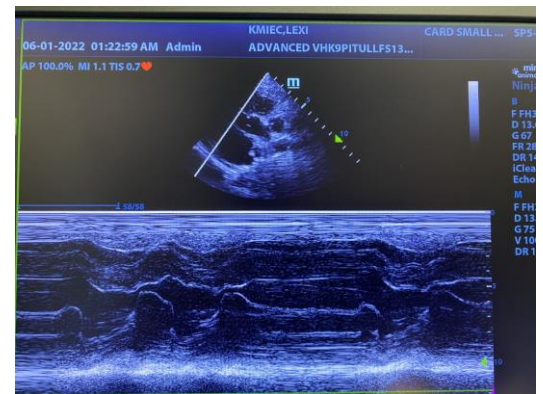
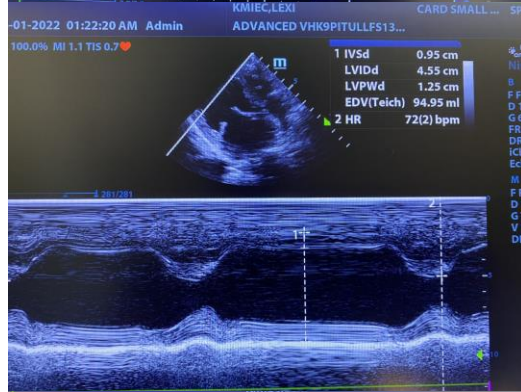
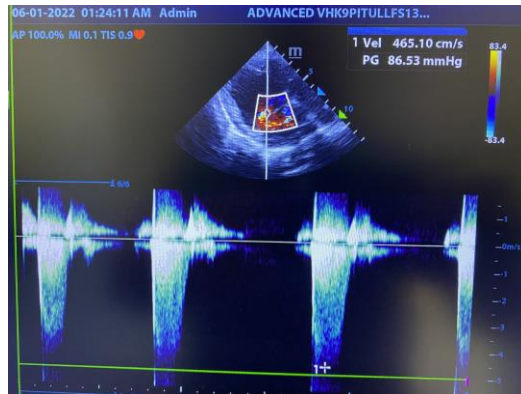
10696ag

DATE

05/31/2022

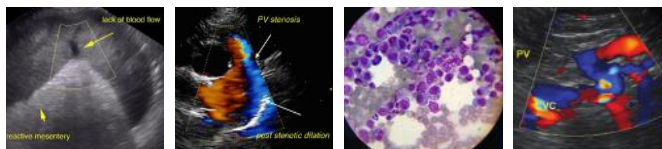
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Based on this study Pimobendan 0.3mg/kg PO BID, ACE inhibitor 0.5mg/kg PO SID progressing to BID, Spironolactone 1-2mg/kg PO BID and Lasix 1-2mg/kg PO BID are indicated. A recheck echocardiogram in 2-4 weeks is recommended. BUN/CREAT and BP should be monitored. ECG assessment for heart block is also recommended. This patient is at risk for syncope or potential sudden death.



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.



PATIENT

Lexie Kmiec

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com

SPECIES

Canine

BREED

PitBull

SEX

FS

AGE

13 yr

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Advanced Vet Care

REFERRING VET

Dr. Weingartner

INVOICE

10696ag

DATE

05/31/2022