



**PATIENT PRESENTING CLINICAL SIGNS**

**Kuba Pick**  
**SPECIES** History: Re-check cardiac ultrasound 6 months from initial Currently on Pimobendan 0.3mg/kg PO q 12h (10mg q12hr). Doing well at home per owner.  
 Abnormal PE/Chem/CBC/UA Results: Heart- grade 4/6 Intermittent arrhythmia, noted on ECG during ultrasound as well. No pulmonary changes noted on auscult. Femoral pulses are strong and synchronous  
**Canine**

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**Retriever Cross**  
**SEX** The echocardiogram in this patient presented **mitral** valve insufficiency and thickened mitral valve without evidence of volume overload in the left atrium or left ventricle. The left atrium appeared normal. **Contractility** was adequate. 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**  
**Spayed female**  
**AGE** were free of masses in the visible window.  
 10 years

**WEIGHT**

68.2 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
 DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Varga

**HOSPITAL NAME**

Shuswap VC

**REFERRING VET**

Dr. Varga

**INVOICE**

42367

**DATE**

11/7/22

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
<b>CARDIAC PARAMETERS</b>	<b>VMAX</b> (m/s)	<b>VMAX</b> (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
<b>PATIENT</b>			1.1	1.6	35		0.5
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
<b>CARDIAC PARAMETERS</b>	(BPM)	<b>VMAX</b> (m/s)	<b>MAX</b> (m/s)		2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
<b>PATIENT</b>	80		0.6	68.2 lbs	5.2 max	4.8	



**PATIENT**

Kuba Pick

**ULTRASONOGRAPHIC FINDINGS**

Compensated mitral insufficiency.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

I recommend continuation of the current protocol. Recheck echocardiogram is recommended in 6 months or earlier if murmur grade increases or clinical signs initiate. Blood pressure measurements are indicated.

**BREED**

Retriever Cross

**SEX**

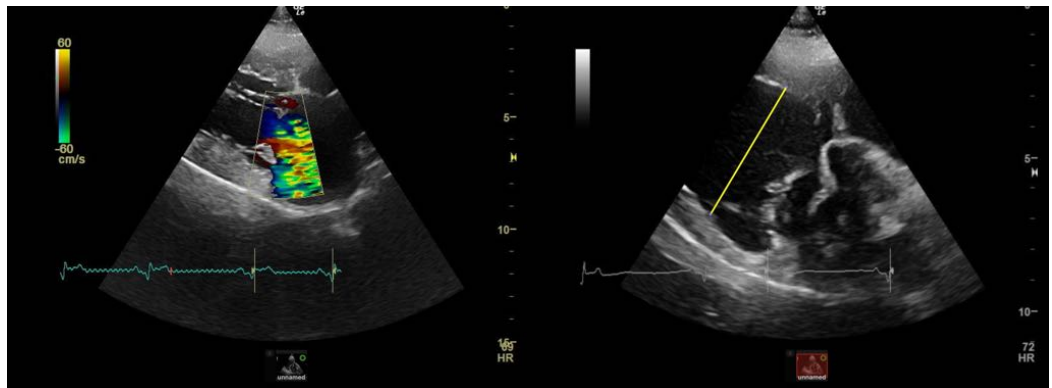
Spayed female

**AGE**

10 years

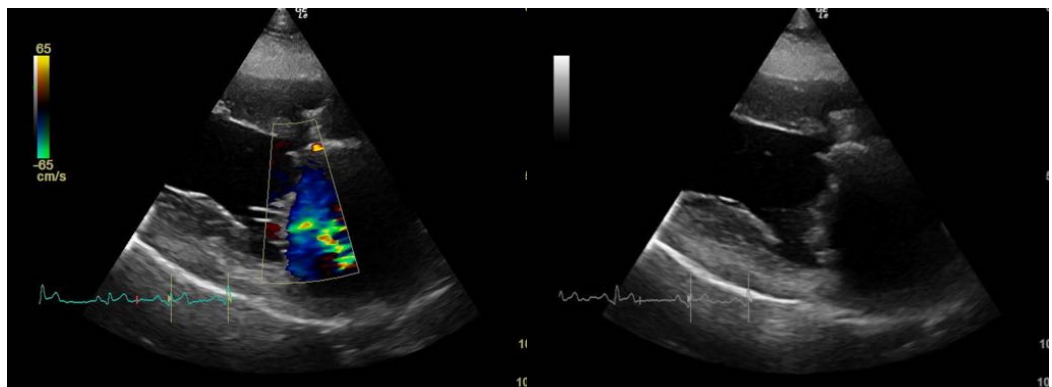
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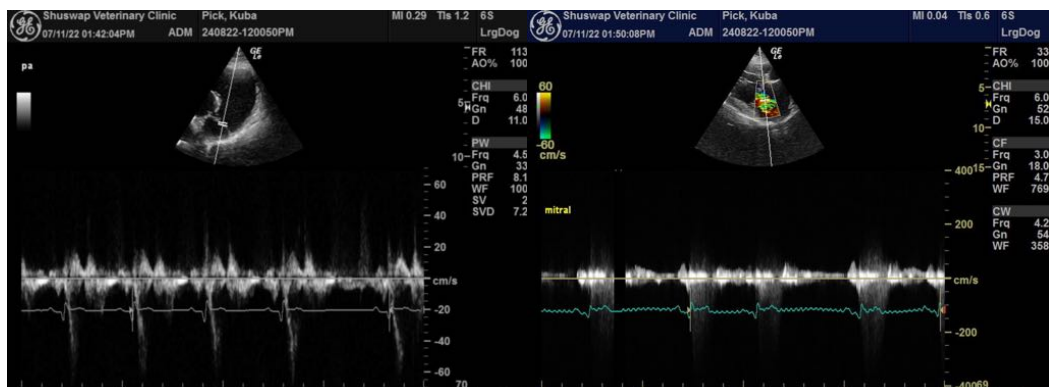
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**PATIENT**

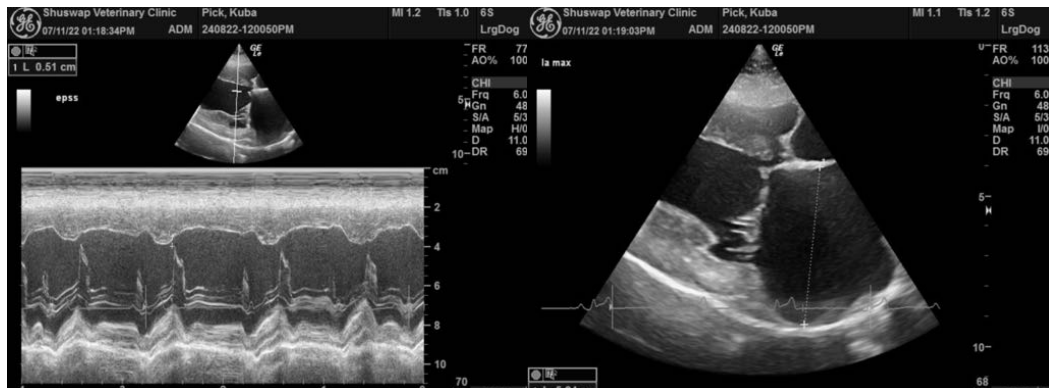
Kuba Pick

**SPECIES**

Canine

**BREED**

Retriever Cross



**SEX**

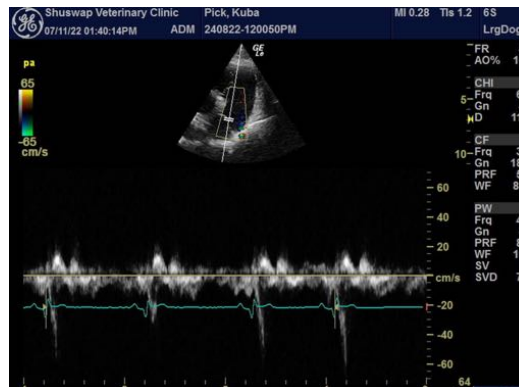
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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  
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