


PATIENT PRESENTING CLINICAL SIGNS

Gretel B.A.S.S. Grade V murmur, just obtained from down south.

SPECIES BREED **ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Canine

BREED

Shepherd Mix

SEX

Female

AGE

5 months

The **left ventricle** and **left atrium** presented minor volume overload. The contractility appeared adequate at this time. Trivial **mitral** valve insufficiency was noted. Minor aortic valvular thickening was noted, yet with a potential for a minor form of dysplasia. Aortic velocity was excessive at 3.2 with minor **aortic insufficiency** at 5.0 m/sec. Excessive aortic outflow velocity is consistent with compensatory pseudo stenosis. 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. A holosystolic jet was noted along with holosystolic turbulence noted in the deep pulmonary artery. The maximum velocity measured 5.0 m/sec. This is consistent with patent ductus arteriosus. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. 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.

INTERPRETED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

HOSPITAL NAME

Franklin Lakes AH

REFERRING VET

Dr. Kozak

INVOICE

99940

DATE

4/26/22

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.3	28-40	40-100	<0.6
PATIENT			1.15	1.4	30	58	0.68
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)	(kg)	2D short axis Base view (cm)	Avg; 2D and m-mode short axis (cm)	Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	188	3.2	1.3		4.0 max	4.3	

ULTRASONOGRAPHIC FINDINGS

Patent ductus arteriosus, minor aortic valve thickening and compensatory elevated outflow velocity.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend referral for interventional correction of patent ductus arteriosus.



PATIENT

Gretel B.A.S.S.

SPECIES

Canine

BREED

Shepherd Mix

SEX

Female

AGE

5 months

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Franklin Lakes AH

REFERRING VET

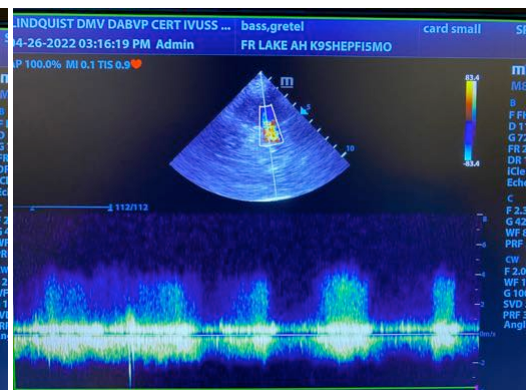
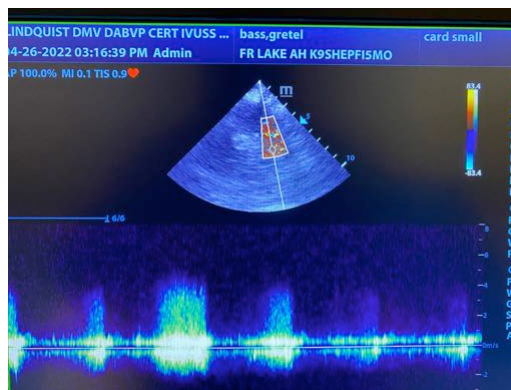
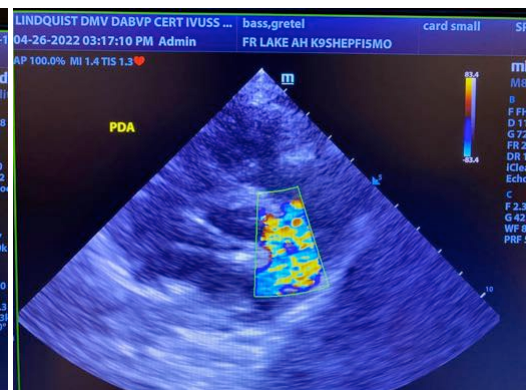
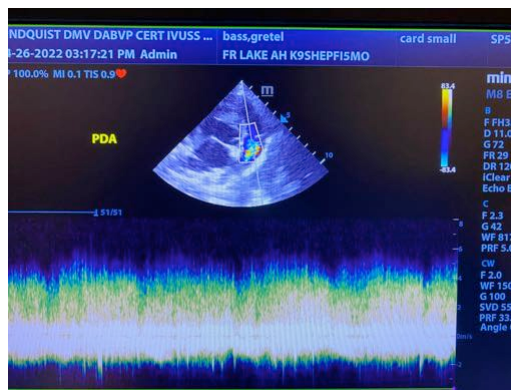
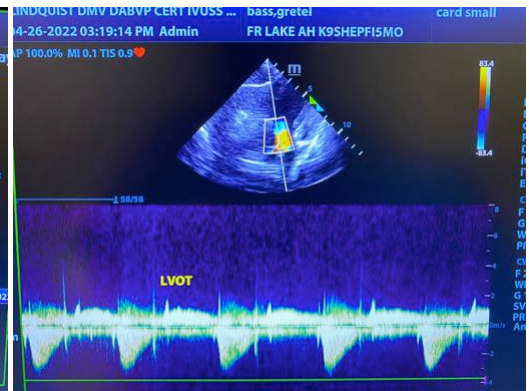
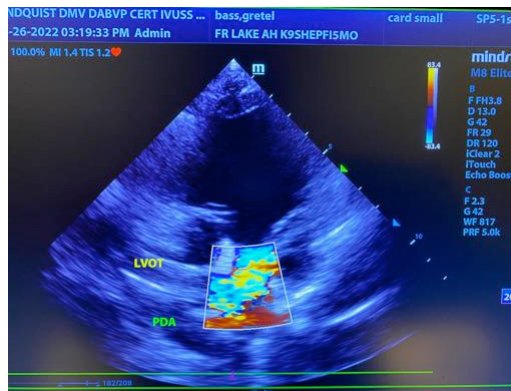
Dr. Kozak

INVOICE

99940

DATE

4/26/22





PATIENT

Gretel B.A.S.S.

SPECIES

Canine

BREED

Shepherd Mix

SEX

Female

AGE

5 months

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Franklin Lakes AH

REFERRING VET

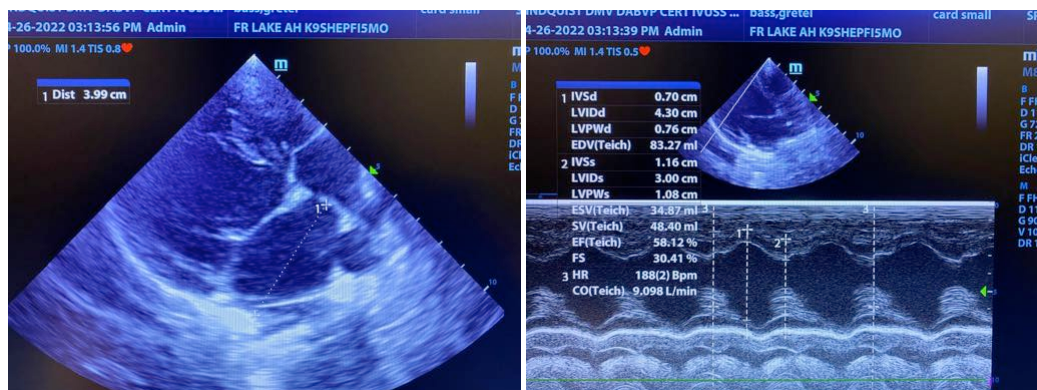
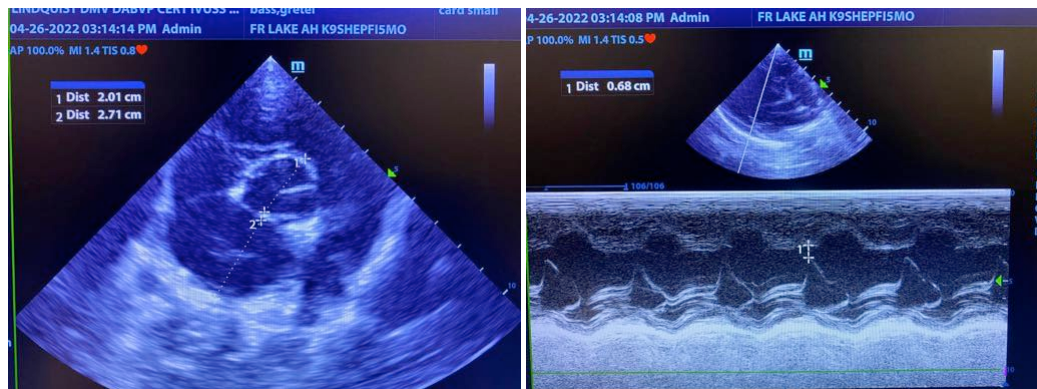
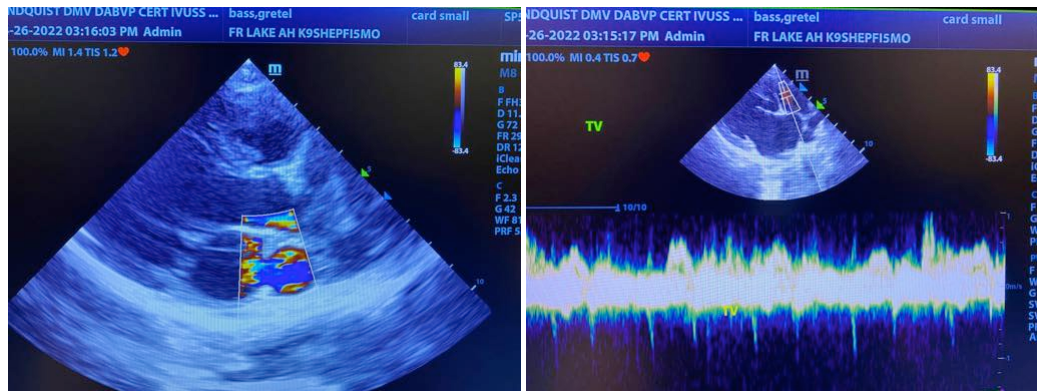
Dr. Kozak

INVOICE

99940

DATE

4/26/22



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
Info@SonoPath.com