

PATIENT PRESENTING CLINICAL SIGNS

Hailey Cotroneo

History:

SPECIES

Canine

BREED

Doodle

SEX

Spayed Female

AGE

13 Years

WEIGHT

16.4 kg

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (Canine &
 Feline), Cert. IVUSS

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Erin Folk AH

REFERRING VET

Dr. Silwanes

INVOICE

35496

DATE

1/19/26

- prev hx- had splenectomy May 2024
- today presented lethargic, shaking, stiff walking. Tense on abdo palpation, heart murmur Grade 2-3 left systolic
- Current Medications: Thyrotabs 0.2mg BID

Abnormal PE/Chem/CBC/UA Results: elevated ALP 222 (20-150), elevated ALT 232 (10-118) , Lymphopenia, neutrophilia, thrombocytosis. will email lab results Radiographic Findings see attached Primary Question to Be Answered in This Exam liver normal?

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	NM	1.46	40	80	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	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	90	1.67	.69	16.4	3.3	2.4	--

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated mild eccentric insufficiency. 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. Trivial **tricuspid**



PATIENT

Hailey Cotroneo

SPECIES

Canine

BREED

Doodle

SEX

Spayed Female

AGE

13 Years

WEIGHT

16.4 kg

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (Canine &
 Feline), Cert. IVUSS

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Erin Folk AH

REFERRING VET

Dr. Silwanes

INVOICE

35496

DATE

1/19/26

insufficiency was noted. 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. Occasional arrhythmia was noted in this patient.

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex, and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 6.0 cm. The right kidney measured 6.9 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some mild heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The left adrenal gland measured 2.8 cm x 0.71 cm at the caudal pole and 0.71 cm at the cranial pole. The right adrenal gland measured 3.13 cm x 1.23 cm at the cranial pole and 0.87 cm at the caudal pole.

Spleen

The **spleen** was previously removed. The region of the splenic fossa was unremarkable.

Liver

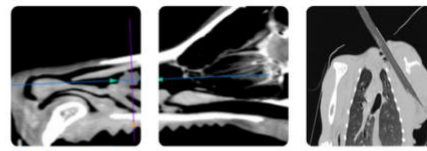
The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular tracts were of normal volume, and no evidence of congestion was noted. The hepatic lymph nodes were unremarkable. A minor physiological amount of coalesced bile was noted in the gallbladder, non-excessive.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small intestine demonstrated normal luminal chyme. The colon was empty. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The **pancreas** revealed mild heterogenous parenchymal changes, yet the changes were fairly subtle. Subxiphoid palpation is recommended to assess for pain or discomfort associated with the pancreas.



PATIENT

Hailey Cotroneo

SPECIES

Canine

BREED

Doodle

SEX

Spayed Female

AGE

13 Years

WEIGHT

16.4 kg

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (Canine & Feline), Cert. IVUSS

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Erin Folk AH

REFERRING VET

Dr. Silwanes

INVOICE

35496

DATE

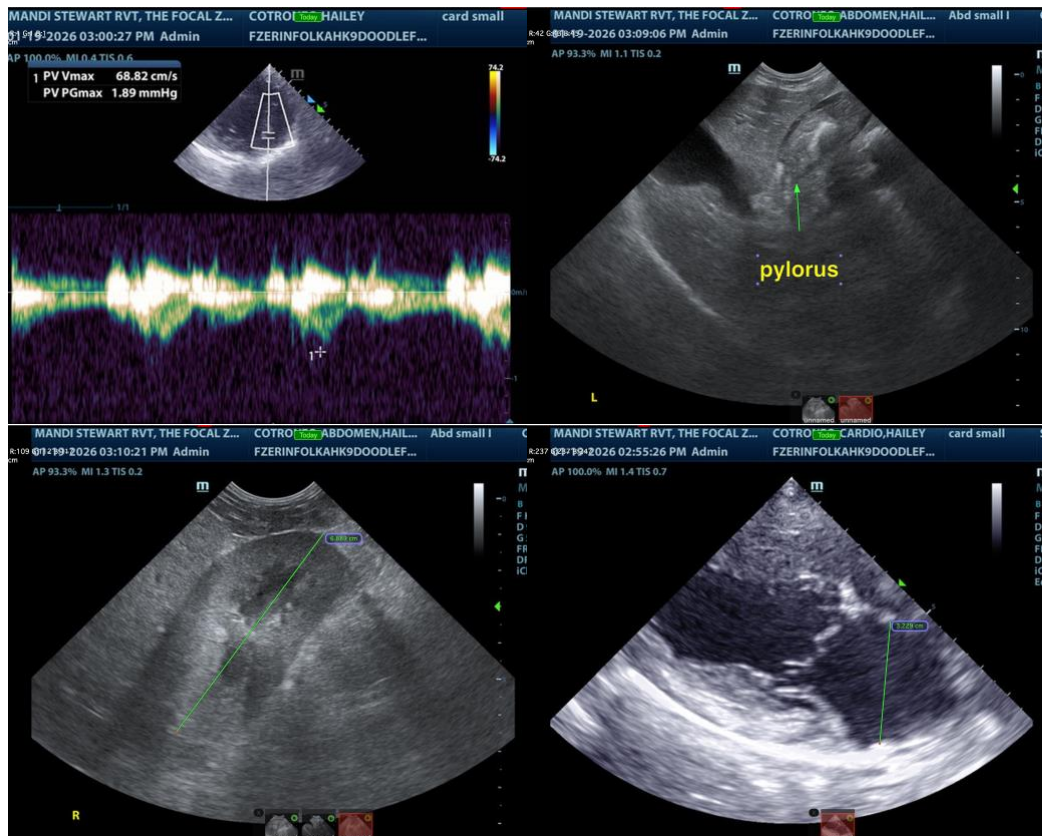
1/19/26

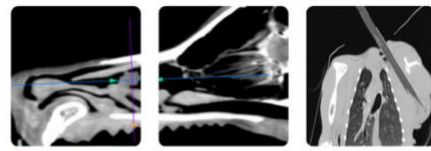
ULTRASONOGRAPHIC FINDINGS

- Stage B-1 valvular disease, compensated
- Mild eccentric mitral insufficiency
- Tricuspid insufficiency
- No evidence of volume overload
- Occasional arrhythmia – EKG is indicated
- Minor heterogenous pancreas
- Essentially normal liver - likely reactive hepatopathy
- Coalesced gallbladder bile, non-excessive
- Structurally unremarkable abdomen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cause of tense abdomen is not evident in the visceral abdomen. Recommend assessment for orthopedic pain or referred back pain in this patient. I do not believe the abdominal or cardiac disease is causing any significant clinical signs.





PATIENT

Hailey Cotroneo

SPECIES

Canine

BREED

Doodle

SEX

Spayed Female

AGE

13 Years

WEIGHT

16.4 kg

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (Canine &
 Feline), Cert. IVUSS

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Erin Folk AH

REFERRING VET

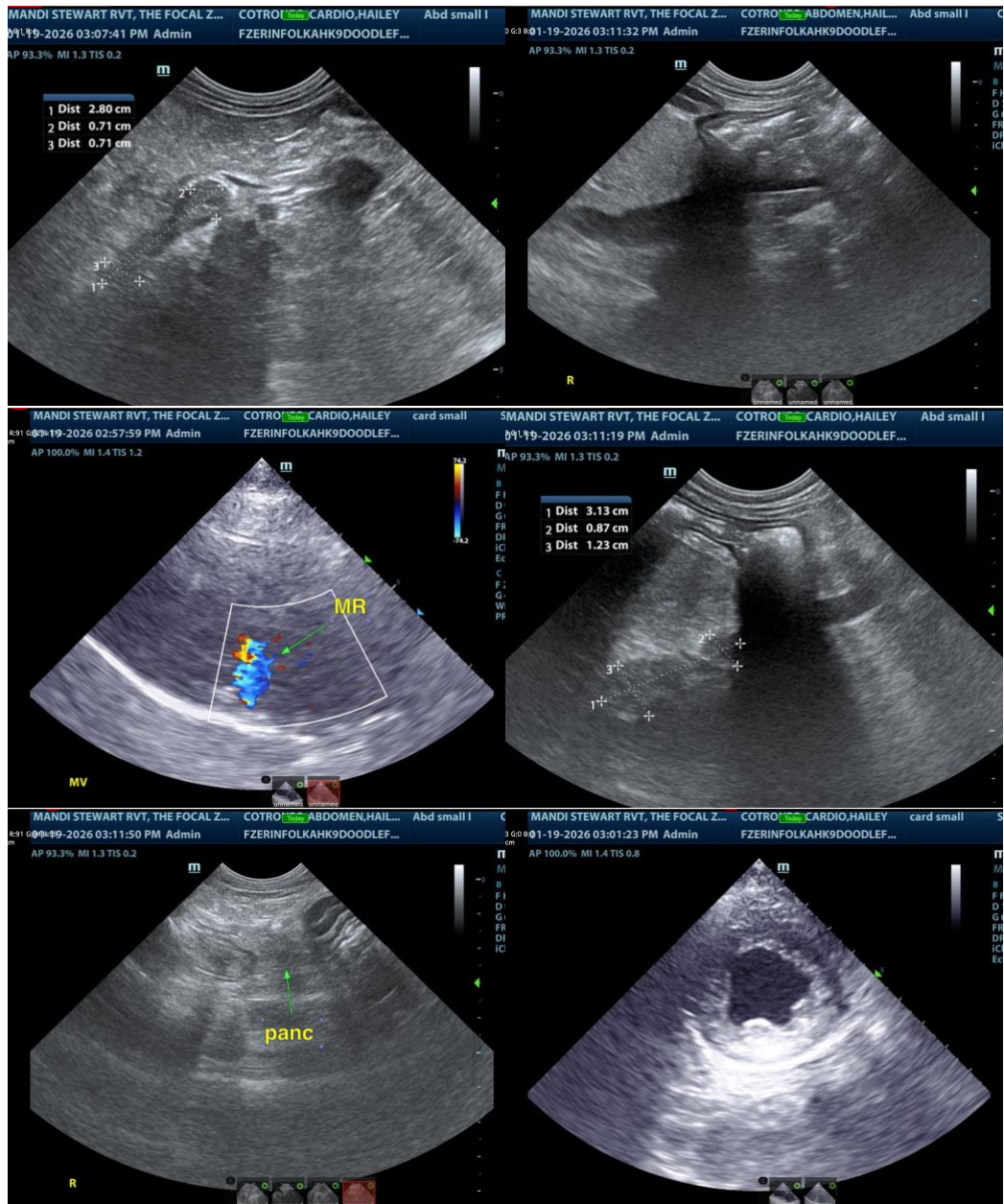
Dr. Silwanes

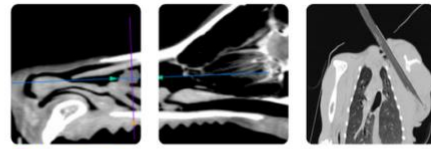
INVOICE

35496

DATE

1/19/26





PATIENT

Hailey Cotroneo

SPECIES

Canine

BREED

Doodle

SEX

Spayed Female

AGE

13 Years

WEIGHT

16.4 kg

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (Canine &
 Feline), Cert. IVUSS

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Erin Folk AH

REFERRING VET

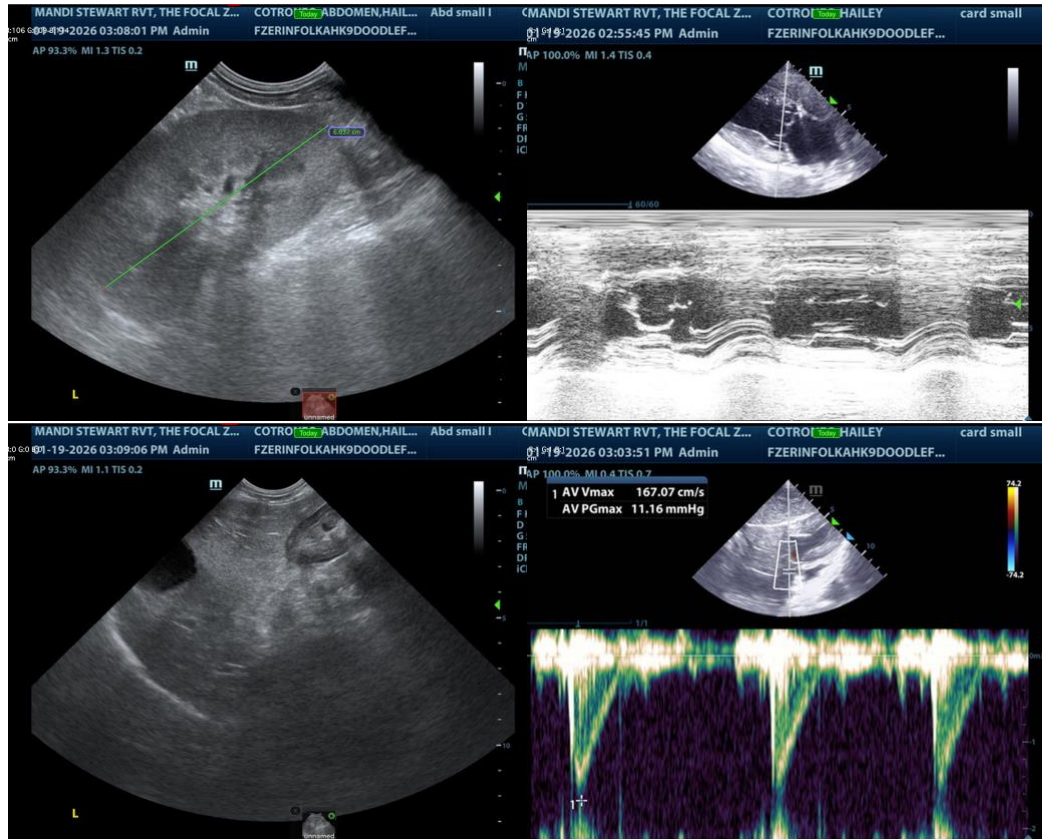
Dr. Silwanes

INVOICE

35496

DATE

1/19/26



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(CFM), Cert. IVUSS,
 CEO, Owner, Founder -- SonoPath.com
info@SonoPath.com