

PATIENT

Elvis Yamada

SPECIES

Canine

BREED

Bulldog

SEX

Neutered Male

AGE

9 Years 10 Months

WEIGHT

73.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Animal Paradise
Hospital

REFERRING VET

Dr. ElShafie

INVOICE

36724

DATE

4/23/26

PRESENTING CLINICAL SIGNS

History: R/O Mediastinal mass, cranial mediastinal widening - on rads, mild generalized cardiomegaly. Pet is excessively panting- main complaint. Meds: Gabapentin 100 mg, Trazadone 100 mg 2 tbs in PM

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

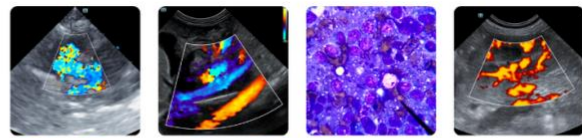
| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (M-Mode) | LA/AO (Heart Base; Swe) | FS (%) | EF (%) | EPSS (cm) |
|---------------------------|---------------|---------------|----------------|-------------------------|----------------------|--|--|
| NORMAL PARAMETER | 4.5-5.5 | <2.7 | 1.3 | Up to 1.6 | 28-40 | 40-100 | <0.6 |
| PATIENT | -- | -- | 1.1 | 1.3 | 38 | 69 | 0.1 |
| CANINE CARDIAC PARAMETERS | HR (BPM) | AV VMAX (m/s) | PV MAX (m/s) | BODY WEIGHT (lbs) | 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 | ~160 | 1.26 | .89 | 73.6 | 3.6 | 4.37 | -- |

Cardiac Presentation

The **echocardiogram** presented a prominent **right heart** with mild **right ventricular** hypertrophy, without significant **tricuspid** regurgitation, and normal **right atrial** size. No evidence of neoplasia was noted in the right auricle, or elsewhere in the heart. The **pulmonary artery** was uniformly prominent with mildly depressed pulmonic velocity measured on PW Doppler. No overt heartworms were noted in the main or visible deep pulmonary arteries. Yet theoretically heartworms could be present in the deep pulmonary vasculature out of visible sonographic range. More likely, however, this prominent right heart is due to excessive intra-thoracic pressures caused by chronic respiratory disease or potentially excessive intra-thoracic fat (Pickwickian syndrome). The **left heart** demonstrated a linear **ventricular septum**. Contractility was functionally adequate demonstrated by the FS% measurement. The **mitral valve** was not significantly insufficient, and no significant **left atrial** dilation was noted. The **left ventricular outflow** demonstrated normal flow patterns and velocities through the aortic valve. The patient was tachycardic. The extra cardiac space was unremarkable. A large amount of cranial mediastinal fat was noted.

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 3.0 cm beyond the cystourethral junction. The iliac trifurcation was unremarkable.



PATIENT

Elvis Yamada

SPECIES

Canine

BREED

Bulldog

SEX

Neutered Male

AGE

9 Years 10 Months

WEIGHT

73.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Animal Paradise Hospital

REFERRING VET

Dr. ElShafie

INVOICE

36724

DATE

4/23/26

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex, and no evidence of pelvic dilation was present. The right kidney measured 6.5 cm. The left kidney measured 6.2 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.84 cm x 0.53 cm at the cranial pole and 0.78 cm at the caudal pole. The right adrenal gland measured 2.5 cm x 1.1 cm at the cranial pole and 0.52 cm at the caudal pole.

Spleen

The **spleen** was folded upon itself (not pathological), positional variant, uniform parenchyma.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

Gastrointestinal

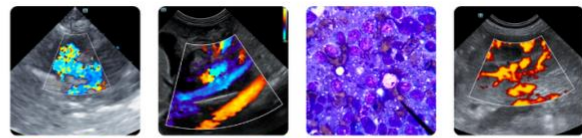
Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt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

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Cor pulmonale presentation with cranial mediastinal fat- no overt masses noted.
- Unremarkable abdomen with age-related abdominal changes without evidence of significant disease.
- Folded spleen, not pathological



PATIENT

Elvis Yamada

SPECIES

Canine

BREED

Bulldog

SEX

Neutered Male

AGE

9 Years 10 Months

WEIGHT

73.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Animal Paradise Hospital

REFERRING VET

Dr. ElShafie

INVOICE

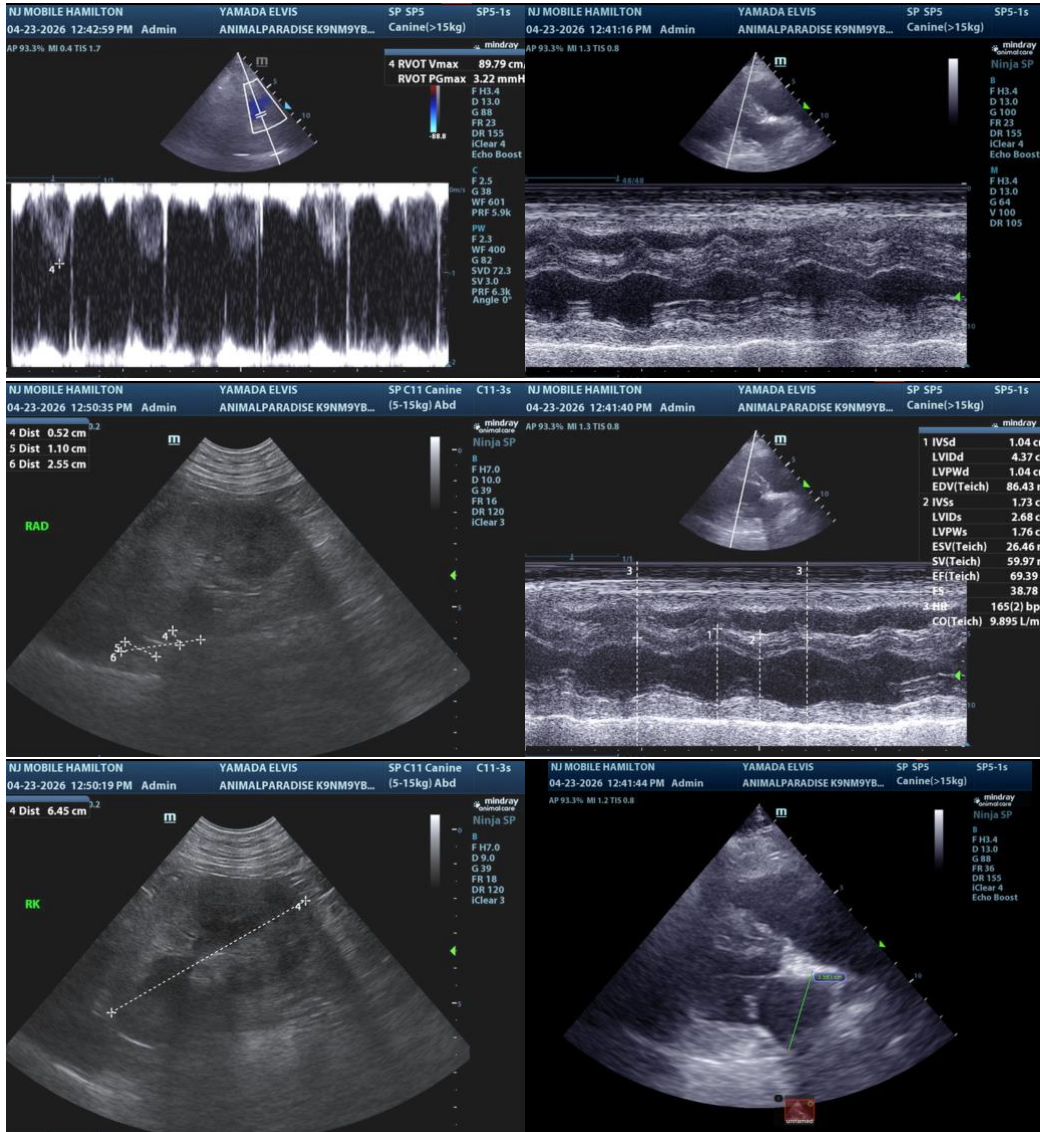
36724

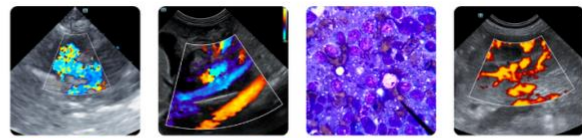
DATE

4/23/26

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If masses are suspected then chest CT would be indicated, as visibility of ultrasound is only limited to acoustic windows. The cause of panting is not evident from a sonographic perspective.





PATIENT

Elvis Yamada

SPECIES

Canine

BREED

Bulldog

SEX

Neutered Male

AGE

9 Years 10 Months

WEIGHT

73.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Animal Paradise
 Hospital

REFERRING VET

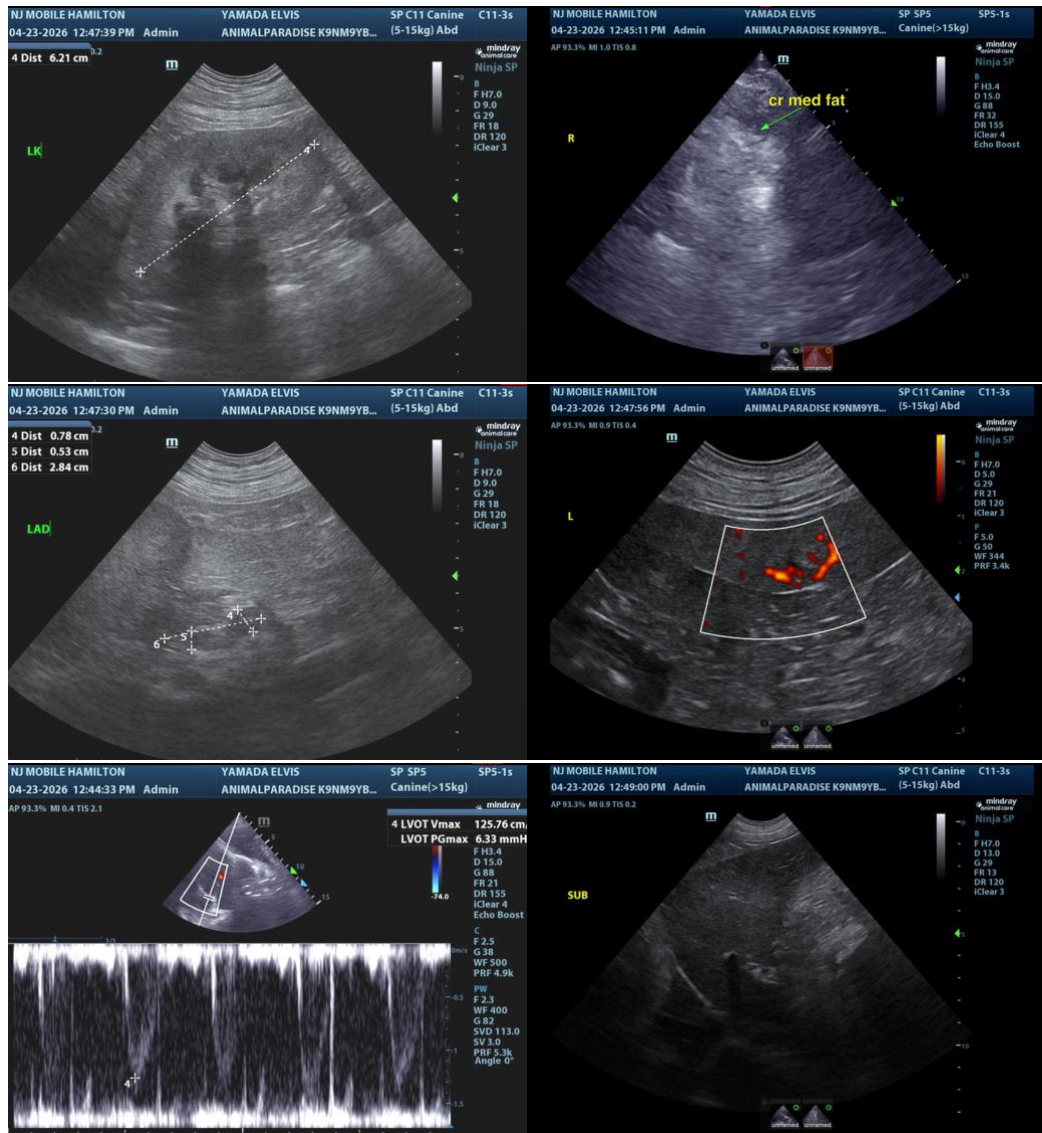
Dr. ElShafie

INVOICE

36724

DATE

4/23/26



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