



PATIENT

Dallas Calderone

SPECIES

Canine

BREED

Boxer

SEX

Male Neutered

AGE

11y 11m

WEIGHT

76 lbs

INTERPRETED BY

R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Smithfield AH

REFERRING VET

Dr. Boe

INVOICE

13397

DATE

4/14/26

PRESENTING CLINICAL SIGNS

History: Fluid observed in the lungs on rads, lethargic.

Current Meds: (Torb/Midaz)

Abnormal PE/Chem/CBC/UA Results: Neu-13.13; Glob-4.9; Amylase-1625; TT4-4.4; Lyme (+)

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

| 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 | -- | -- | -- | | | | |
| 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 | NM | | | -- | | | -- |

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 2 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. No obvious MR noted on doppler. 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. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. No overt TR noted on doppler. 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. Primarily homogeneous caudal thoracic mass present adjacent to the diaphragm and not overtly connected to the liver measuring ~7.0 cm in diameter. Surrounding aerated lung. Overtly normal, brief hepatic sonographic assessment without evidence of hepatic congestion.



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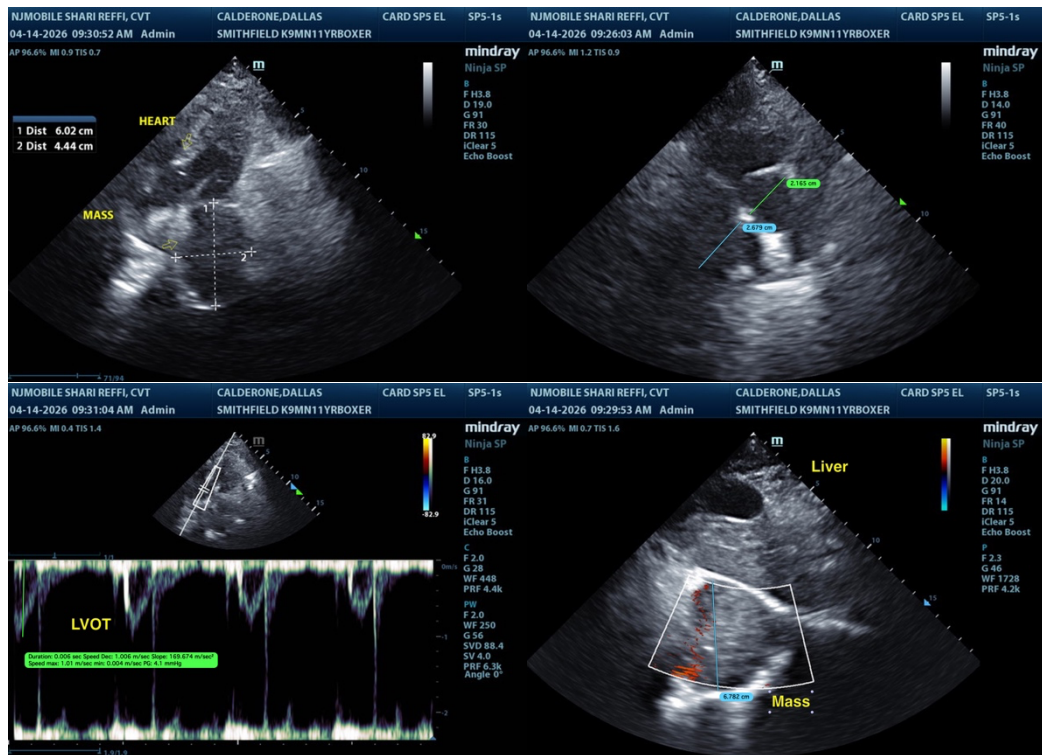
4/14/26

ULTRASONOGRAPHIC FINDINGS

- Overall, normal cardiac structure/function
- Caudal thoracic mass with concurrent cardiac vs pericardial mass

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mass is highly consistent with neoplastic criteria with granuloma, infection or other non-neoplastic etiology thought less likely. Concurrent thoracic and cardiac mass possible, although suspect primary thoracic neoplasia with caudal and pericardial location. If accessible and assuming normal clotting status, mass FNA cytology warranted for further clarification. Otherwise, correlation with abdominal ultrasound to assess for concurrent or primary pathology and thoracic CT could be considered.



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@sonopath.com



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