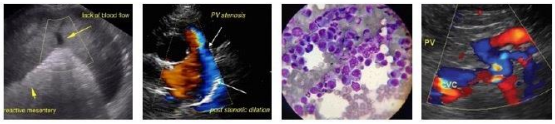
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

PATIENT

Karma Zammit

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed female

AGE

12 years

WEIGHT

57 pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal HIII

HOSPITAL NAME

The Maples Animal Hospital

REFERRING VET

Dr. Kazienko

INVOICE

10074ag

DATE

02/25/2022

PRESENTING CLINICAL SIGNS

History: Echo to follow up from rads that were read through Sonopath where FNA was suggested for soft tissue opacity on right lung lobe. Sent through all of the details on the last form that I sent through with the wrong patient images :) Sorry!!

Abnormal PE/Chem/CBC/UA Results: n/a

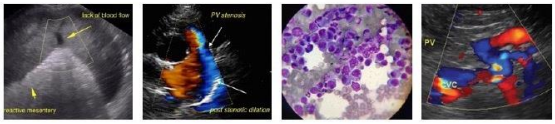
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT				1.1	33	63	0.4
CANINE CARDIAC PARAMETERS	**HR** (BPM)	**AV VMAX** (m/s)	**PV MAX** (m/s)	**BODY WEIGHT** (kg)	**LA** 2D short axis Base view (cm)	**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	BELOW	BELOW	BELOW	BELOW
PATIENT	107	1.3	0.8		3.5	2.6	

Cardiac presentation

The echocardiogram in this patient demonstrated normal left atrial size based on 3 separate methods of LA evaluation. The cranial and caudal mitral valve leaflets presented minor vegetative thickening which may suggest minor endocardiosis with normal extension in systole, and union in diastole with normal overall kinesis. Mild primarily centralized MR present on color 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. 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. A moderately sized nonhomogeneous mass was present in the craniodorsal thorax. The mass exhibited pinpoint to focal hyperechoic areas which may suggest minimal to focal areas of air entrapment or potential emerging areas of mineralization. The mass measured approximately 5-6 cm in diameter.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

PATIENT

Karma Zammit

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed female

AGE

12 years

WEIGHT

57 pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal HIll

HOSPITAL NAME

The Maples Animal Hospital

REFERRING VET

Dr. Kazienko

INVOICE

10074ag

DATE

02/25/2022

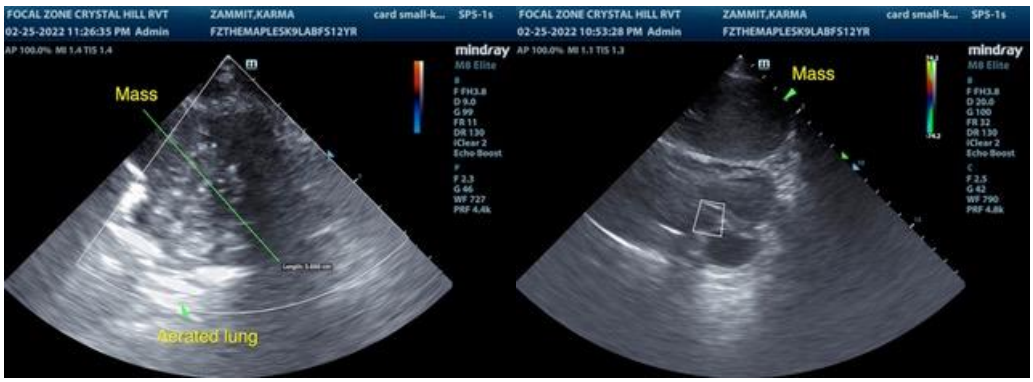
ULTRASONOGRAPHIC FINDINGS

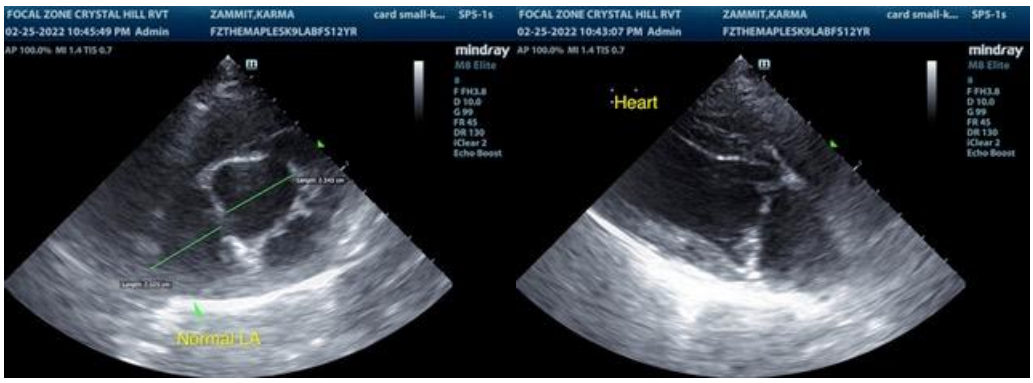
- Normal echocardiogram.
- Mild MR.
- Craniodorsal thoracic/pulmonary mass.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

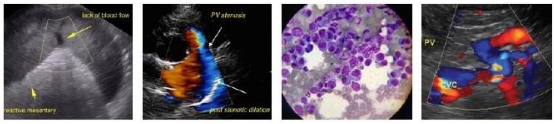
No evidence of structural or functional cardiomyopathy in the face of sedation. The noted mild MR does not appear to be hemodynamically significant given the lack of left atrium enlargement. No indication for cardiac medications.

The craniodorsal thoracic mass is most consistent with pulmonary origin given potential for focal yet indistinct air entrapment. Neoplastic criteria is favored although potential for non-neoplastic etiologies such as consolidation, pneumonia, granuloma or other are possible. Correlation with pending mass cytology obtained during the ultrasound with potential for oncology and/or surgical consult is recommended.





SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

PATIENT

Karma Zammit

SPECIES

Canine

BREED

Labrador Retriever

SEX

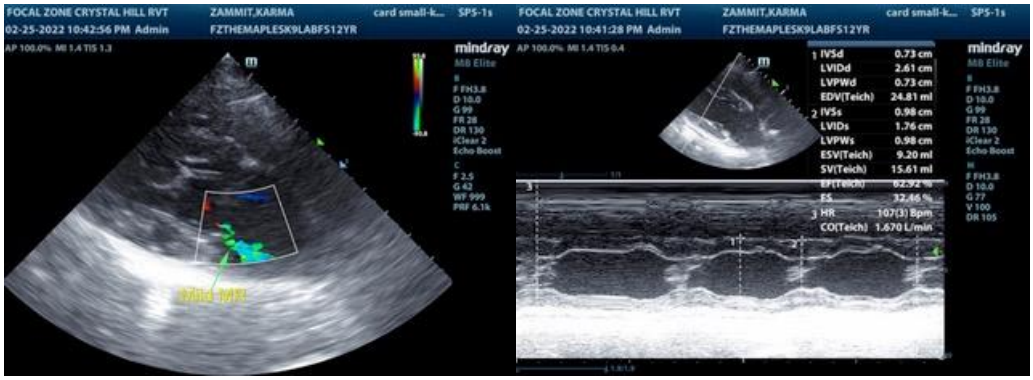
Spayed female

AGE

12 years

WEIGHT

57 pounds



INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal HIll

HOSPITAL NAME

The Maples Animal Hospital

REFERRING VET

Dr. Kazienko

INVOICE

10074ag

DATE

02/25/2022

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