

PATIENT

Mia Mygas

SPECIES

Canine

BREED

English Springer
Spaniel

SEX

Spayed Female

AGE

13 Years

WEIGHT

46 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Animal Mansion

REFERRING VET

Dr. Bertoldo

INVOICE

13871

DATE

10/19/21

PRESENTING CLINICAL SIGNS

History: Elevated RR, pneumonia, anemic. R/O Cardiogenic vs other. Current meds: Cough tabs, Orbax, Cefpodoxime, Proxetil. Was on Temaril-P.

Abnormal PE/Chem/CBC/UA Results: RBC 5.32, Hct 34.4, Hgb 12.8, Mono 2.12, Eos 0.01, MPV 16.4, Glob 5, ALP 893, Amyl 1830, USG 1.022, Prot 30, WBC 12/hpf

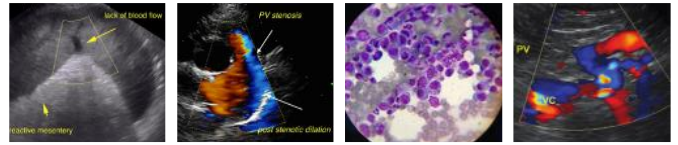
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	--	--	1.06	1.12	32	62	0.38
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				
PATIENT	107	1.50	.83	--	4.0	3.27	--

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 normal linear structure, extension in systole, and union in diastole with normal kinesis. 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). The right auricle was free of evident pathology. A comet tail lung pattern was noted as well as variable areas of lung consolidation noted in the extracardiac space. Thoracic density was also noted, measuring 3.0 cm in the cranial mediastinum.

ULTRASONOGRAPHIC FINDINGS



PATIENT

- Multifocal lung consolidations

Mia Mygas

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT evaluation +/- ultrasound guided FNA. Lung neoplasia is a strong potential. Abdominal sonogram recommended to assess for primary disease.

SPECIES

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SonoPath CT Services are offered at the Blairstown Animal Hospital. Blairstown animal hospital is just a 30-minute drive west on route 80 from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at:

BREED

English Springer Spaniel

<https://sonopath.com/resources/sonopaths-teleconsultation-services-and-sdep-certification/sonopath-ct-services>

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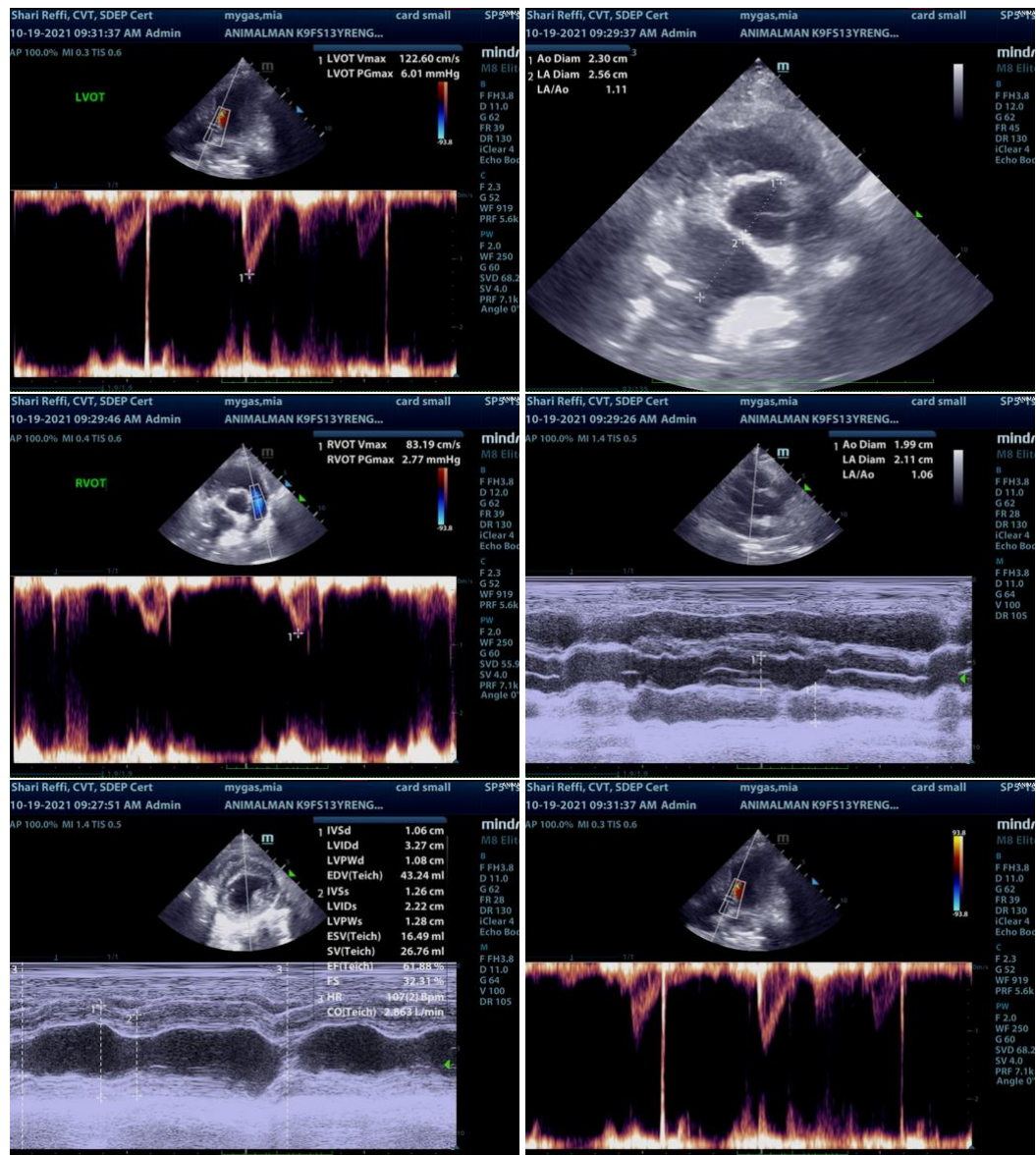
Dr. Bertoldo

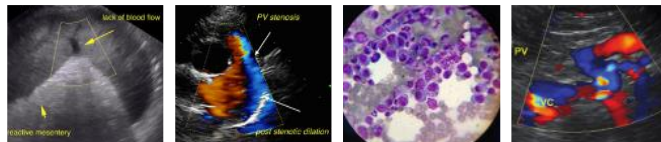
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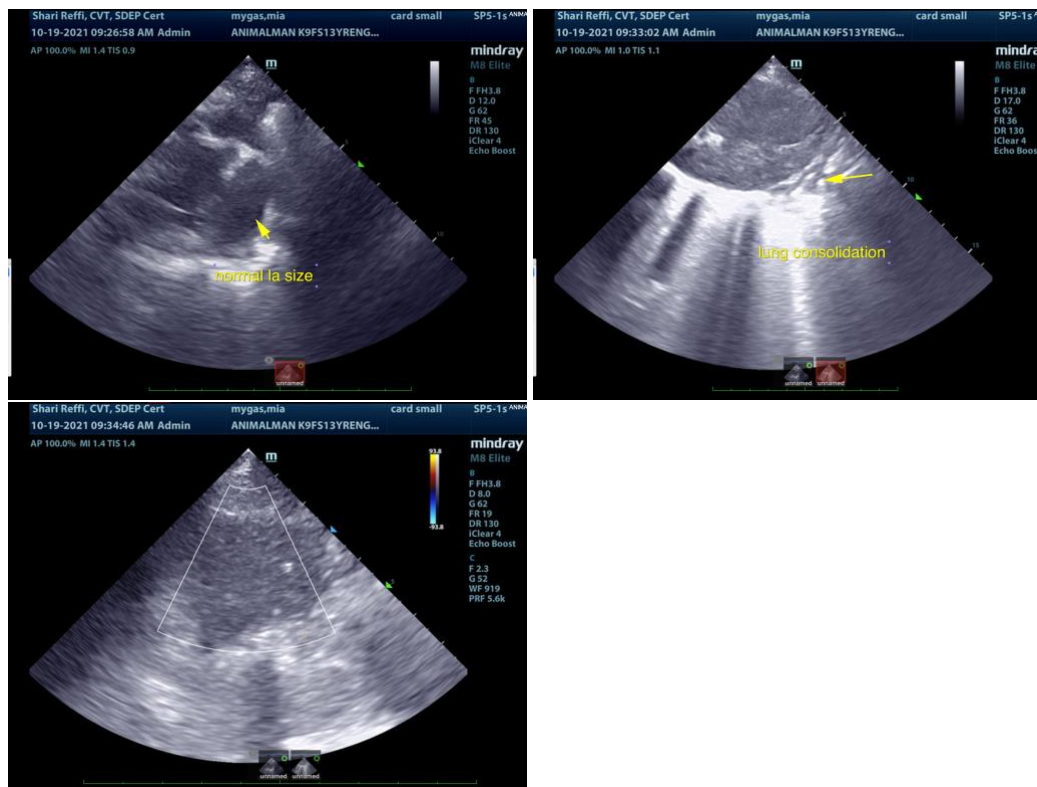
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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