


PATIENT

Brooklyn Cunningham

PRESENTING CLINICAL SIGNS

History: Labored breathing, lethargy, heart murmur (gr 5) right side. Fluid in chest (right side), loss of appetite, enlarged heart. Current meds: Furosemide 20mg BID
 Abnormal PE/Chem/CBC/UA Results: Pending

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART
BREED

Boston Terrier

The echocardiogram in this patient revealed hypercontractility of the left ventricle and collapse of the right auricle owing to tamponade effect by the pericardial effusion. There was approximately 2.0 cm of pericardial space noted owing to the effusion. A heart base was noted and measured 2.38 x 1.93 cm. The heart base mass was hypoechoic and intramural adjacent to the aorta in the position of aortic body tumor. Mitral and tricuspid insufficiency was also noted as well as trivial pulmonic insufficiency. The hepatic veins were dilated and ascites was noted. This is consistent with passive congestion owing to the pericardial effusion and tamponade effect. Arrhythmogenic activity was noted.

AGE

12 years

WEIGHT

20.9 lbs

INTERPRETED BY

 Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Advanced VC

REFERRING VET

Dr. Farrell

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base;)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.0	3.06	NM		58	90	NM
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	138	1.07	0.8	20.9 lbs	3.18	2.24	

ULTRASONOGRAPHIC FINDINGS

Heart base mass with pericardial effusion and tamponade effect.

Passive congestion liver pattern.

Ascites.

INVOICE

45945

DATE

7/7/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Palliative pericardiocentesis and cytopsin is warranted to assess if hemopericardium is present versus paraneoplastic effusion. Given the position of the mass aortic body tumor is likely. Hemangiosarcoma, round cell neoplasia and fibrosarcoma is all possible. Oncological referral is recommended. Blood pressure measurements and EKG are indicated.



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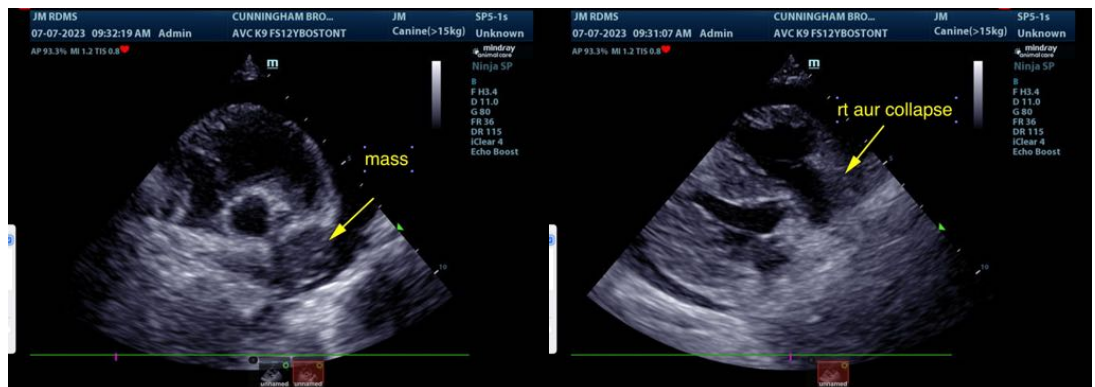
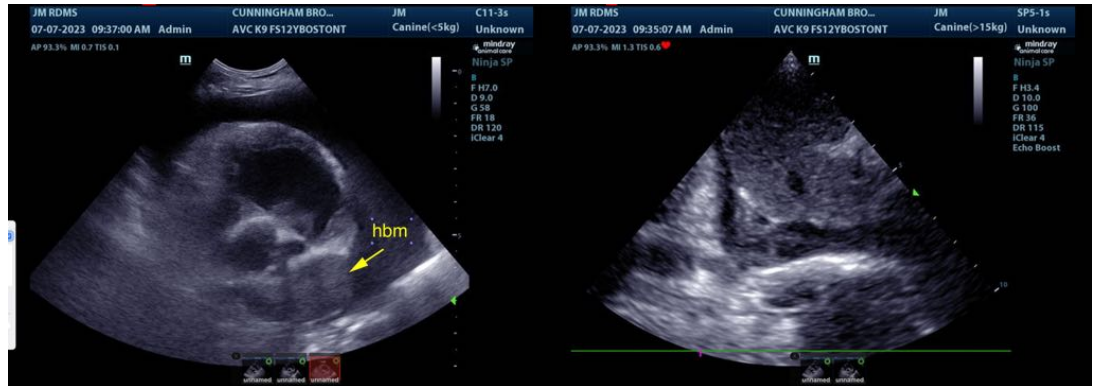
Spayed female

AGE

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WEIGHT

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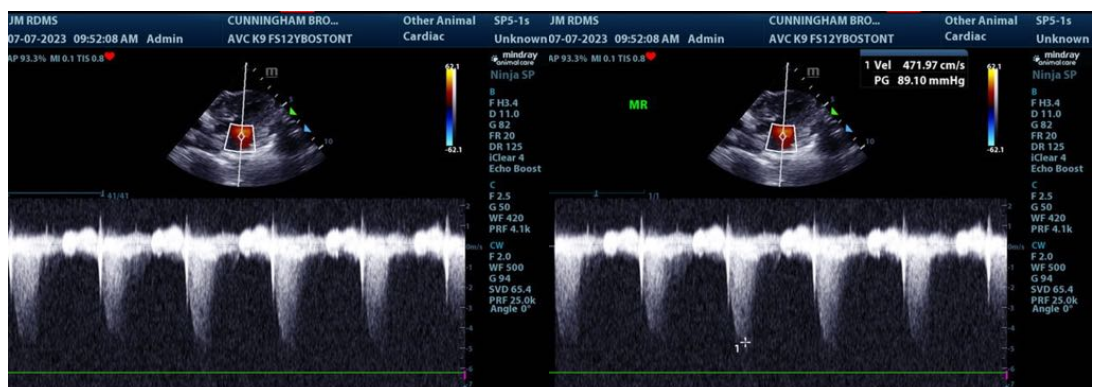
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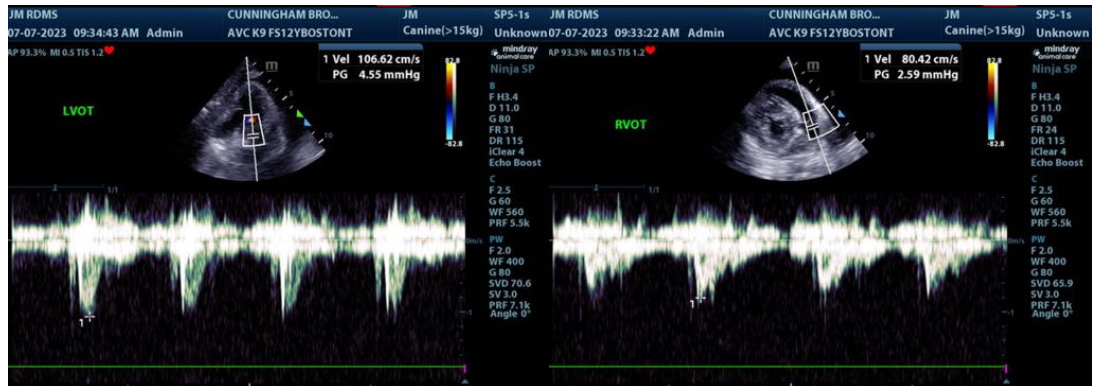
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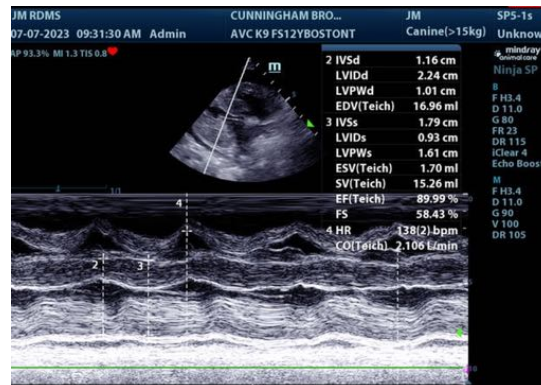
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com