



PATIENT PRESENTING CLINICAL SIGNS

Remi DiPiazza History: lethargy, weight loss, growth/lesion on skull radiopacity in stomach

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Canine The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Minor **mitral** valve insufficiency was noted. 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. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

SEX
Neutered male

AGE
6 years

WEIGHT
107 lbs

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Jenn

HOSPITAL NAME
Rockaway AH

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	<1.3	28-40	40-100	<0.6
PATIENT			NM	1.3	20		0.2
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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		1.2	0.6	107 lbs	4.57	3.0	

REFERRING VET
Dr. Maniar

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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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 was noted. Ureteral papillae were normal.

DATE
5/31/22



PATIENT

Remi DiPiazza

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.57 cm. The left kidney measured 6.06 cm.

SPECIES

Canine

Adrenal Glands

BREED

Mastiff

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 right adrenal gland measured 3.39 x 0.73 cm at the caudal pole and 0.85 cm at the cranial pole. The left adrenal gland measured 1.54 x 0.2 cm at the caudal pole and 0.47 cm at the cranial pole.

SEX

Neutered male

Spleen

AGE

6 years

The **spleen** was mildly enlarged and uniform folded upon itself.

WEIGHT

107 lbs

Liver

INTERPRETED BY

Eric Lindquist, DMV
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The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

IMAGING PERFORMED BY

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Gastrointestinal

HOSPITAL NAME

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A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.

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Pancreas

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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.

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PATIENT **ULTRASONOGRAPHIC FINDINGS**

Remi DiPiazza Spleen was mildly enlarged and folded upon itself, yet structurally the abdomen was otherwise unremarkable.

SPECIES Minor mitral valve insufficiency.

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED There was no evidence of pathology. The cause of lethargy was not evident in this patient. EKG, blood pressure measurements, orthopedic examination and CNS examination are all indicated.

SEX

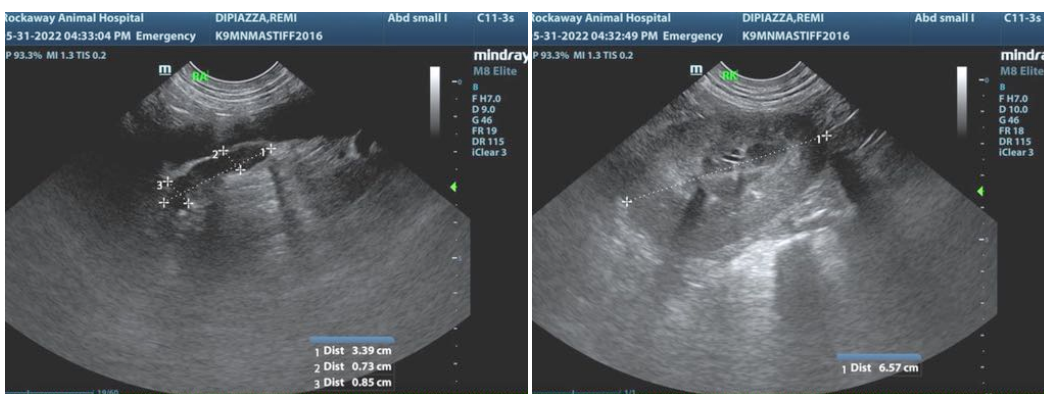
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INTERPRETED BY

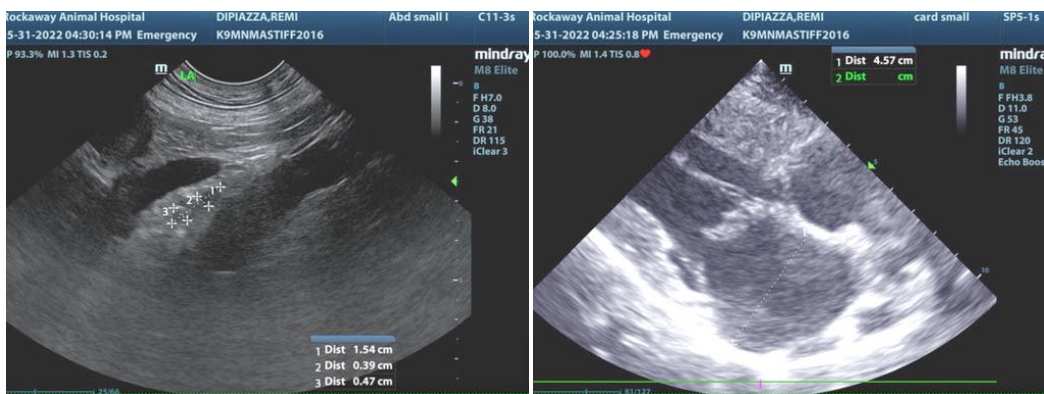
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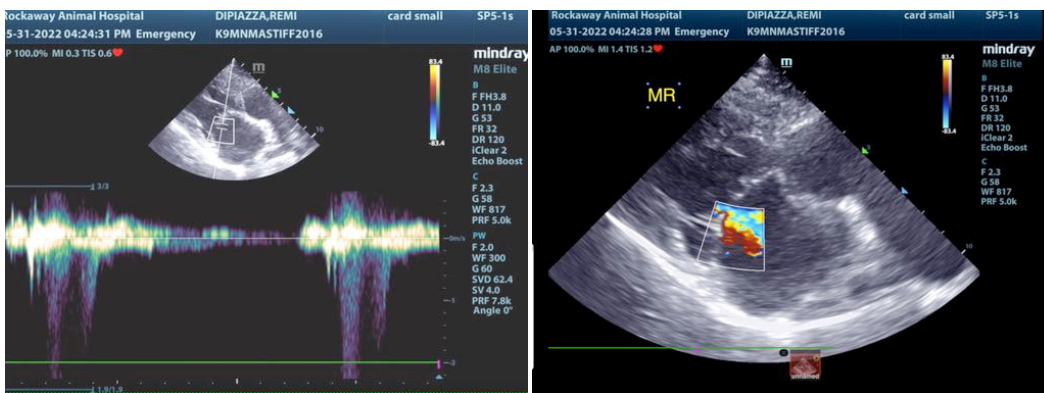
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PATIENT

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SPECIES

Canine

BREED

Mastiff

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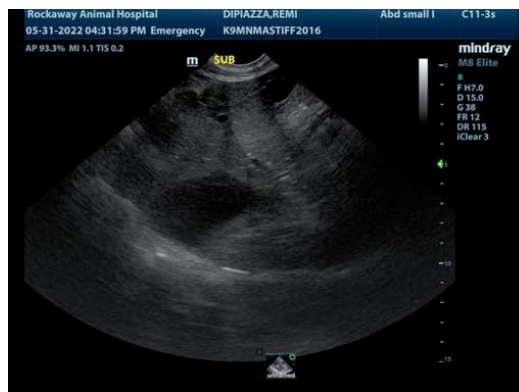
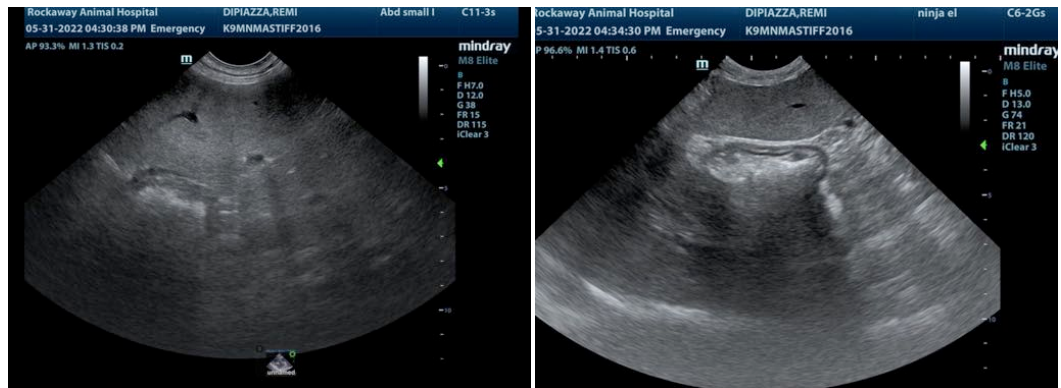
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@SonoPath.com