



**PATIENT PRESENTING CLINICAL SIGNS**

Nova Darco History: Lethargic/anorexia - recheck u/s last done 4/7/23

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

Canine The echocardiogram in this patient presented normal volumes, contractility and structure with trivial tricuspid insufficiency. There was no pericardial or pleural effusion noted. There is no evidence of clinical cardiac disease noted.

**BREED**

Pitbull

**SEX**

Spayed female

**AGE**

7 years

**WEIGHT**

57 lbs

**INTERPRETED BY**

Eric Lindquist, DMV DABVP, Cert. IVUSS

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			1.11		40		0.4
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	BELOW	BELOW	BELOW	BELOW
PATIENT		1.88	1.0	57 lbs	3.7	3.5	

**IMAGING PERFORMED BY**

Valeryia Shumskaya

**HOSPITAL NAME**

Rockaway AH

**REFERRING VET**

Dr. Maniar

**INVOICE**

43778

**DATE**

4/11/23

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

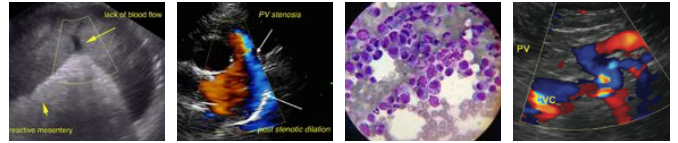
**Urinary System**

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.

The **right kidney** revealed slight, irregular contour to the caudal pole with a focal infarct, yet appears to be stable. The right kidney measured 4.7 cm.

**Adrenal Glands**

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



**PATIENT**

Nova Darco

adrenal gland measured 1.78 x 0.52 cm at the cranial pole and 0.5 cm at the caudal pole. The left adrenal gland measured 1.83 x 0.46 cm at the cranial pole and 0.45 cm at the caudal pole.

**SPECIES**

Canine

**Spleen**

**BREED**

Pitbull

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

**SEX**

Spayed female

**Liver**

**AGE**

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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.

**WEIGHT**

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**Gastrointestinal**

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Eric Lindquist, DMV  
DABVP, Cert. IVUSS

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. 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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**ULTRASONOGRAPHIC FINDINGS**

Right renal infarct.

Structurally normal abdomen.

Mild tricuspid insufficiency, yet structurally normal heart.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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There was no evidence of pathology. The cause of lethargy is unclear. Full CNS and thoracic examination is warranted as well as assessment for any orthopedic pain such as back pain. Screening for Addison's is indicated. EKG is warranted to assess for arrhythmia, yet no arrhythmia was noted at the time of the sonogram. The diagnosis is open.



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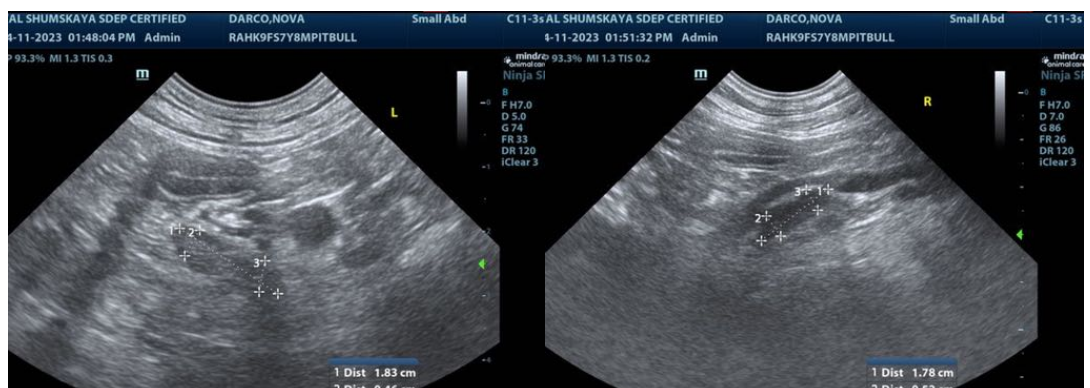
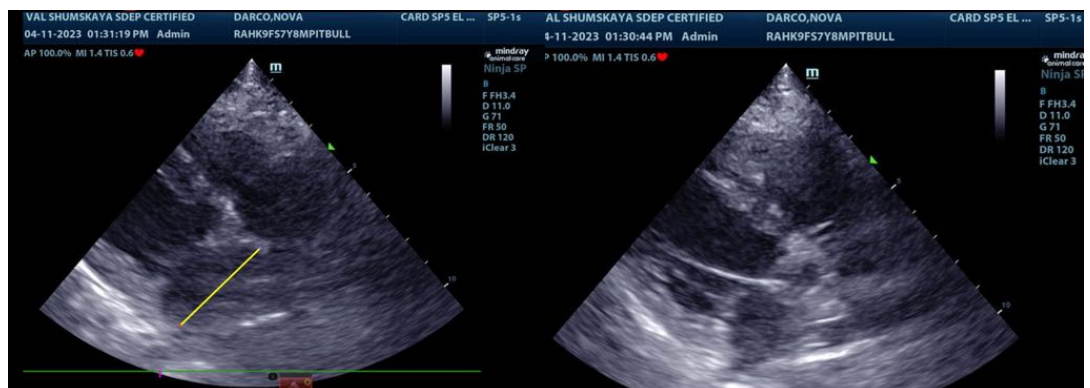
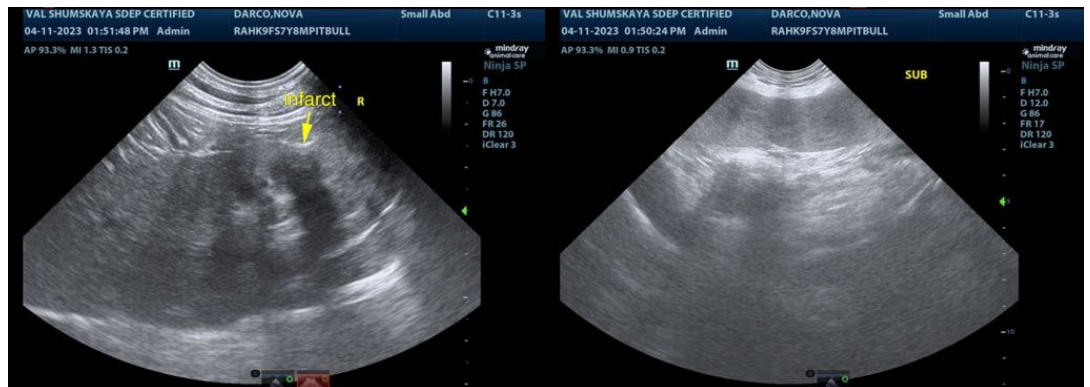
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**ABOUT SONOPATH CT SERVICES:**

**SonoPath CT Services** are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/resources/sonopath-teleconsultation-services-and-sdep-certification/sonopath-ct-services>





**PATIENT**

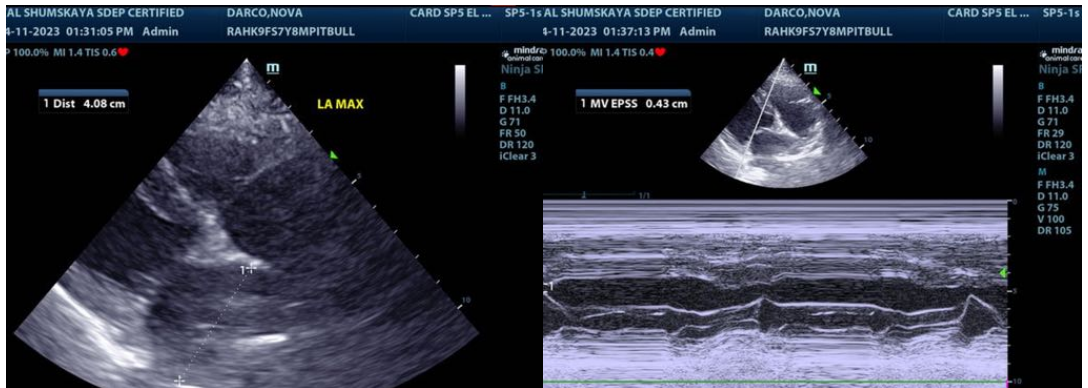
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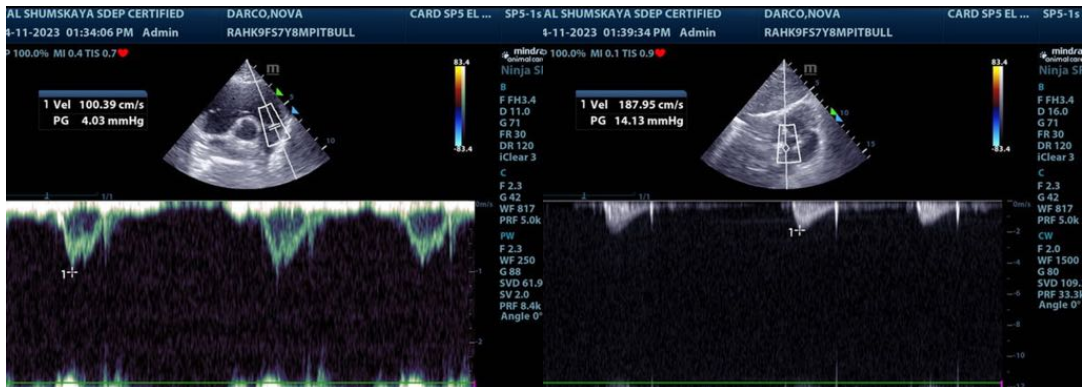
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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