

PATIENT

Lyric Maimin

SPECIES

Feline

BREED

Russian Blue

SEX

Spayed Female

AGE

14 Years 5 Months

WEIGHT

5.7 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP(CFM), Cert.
 IVUSS

IMAGING PERFORMED BY

Vincent Ravancho CVT

HOSPITAL NAME

Marsh Hospital for
 Animals

REFERRING VET

Dr. Megan Armani

INVOICE

16090

DATE

05/11/26

PRESENTING CLINICAL SIGNS

Falling over this morning - Acute. Hx of hyperthyroid, Hx of left lung atelectasis. On exam around left kidney feels mass like? Current medications - Fluticasone Inhaler, Methimazole, Pred.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

FELINE CARDIAC PARAMETERS	BODY WEIGHT (lbs)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	5.7	NM	--	--	--	--	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber	LVOT VEL (m/s)	RVOT VEL (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	1.6	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.0	--	--	--	0.6	NM	
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

Cardiac Presentation

The **echocardiogram** in this patient revealed volume contraction with no evidence of gross pathology. Normal contractility and volumes were visualized. No pleural effusion was noted. Slight pericardial effusion was noted without tamponade effect. Significant respiratory interference was noted in this patient owing to patient demeanor during the echocardiogram.

Urinary System

The **urinary bladder** revealed micropolypoid changes with a minimal amount of urine present.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Areas of corticomedullary mineralization were noted in the right kidney. The left kidney measured 3.44 cm in length. The right kidney measured 3.45 cm in length. The left kidney revealed pelvic calculi. Slight subcapsular fluid consistent with potential perirenal pseudocyst rupture.

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 left adrenal gland measured 0.33 cm width. The right adrenal gland measured 0.37 cm width.



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Spleen

Lyric Maimin

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

SPECIES

Liver

Feline

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.

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Gastrointestinal

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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

WEIGHT

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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

- Chronic renal changes with slight subcapsular renal fluid extending into the sublumbar space- no overt evidence of neoplasia, however, I am concerned for potential emerging neoplastic events such as lymphoma or fluid developed owing to systemic inflammation or the patient may have ruptured a left renal perinephric pseudocyst, which can present in this fashion.
- Volume contracted spleen.
- Slight pericardial effusion.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Recommend supportive care, IV fluid support, broad spectrum antibiotics and recheck sonogram in one week of the heart and renal area to assess for resolution or progression.

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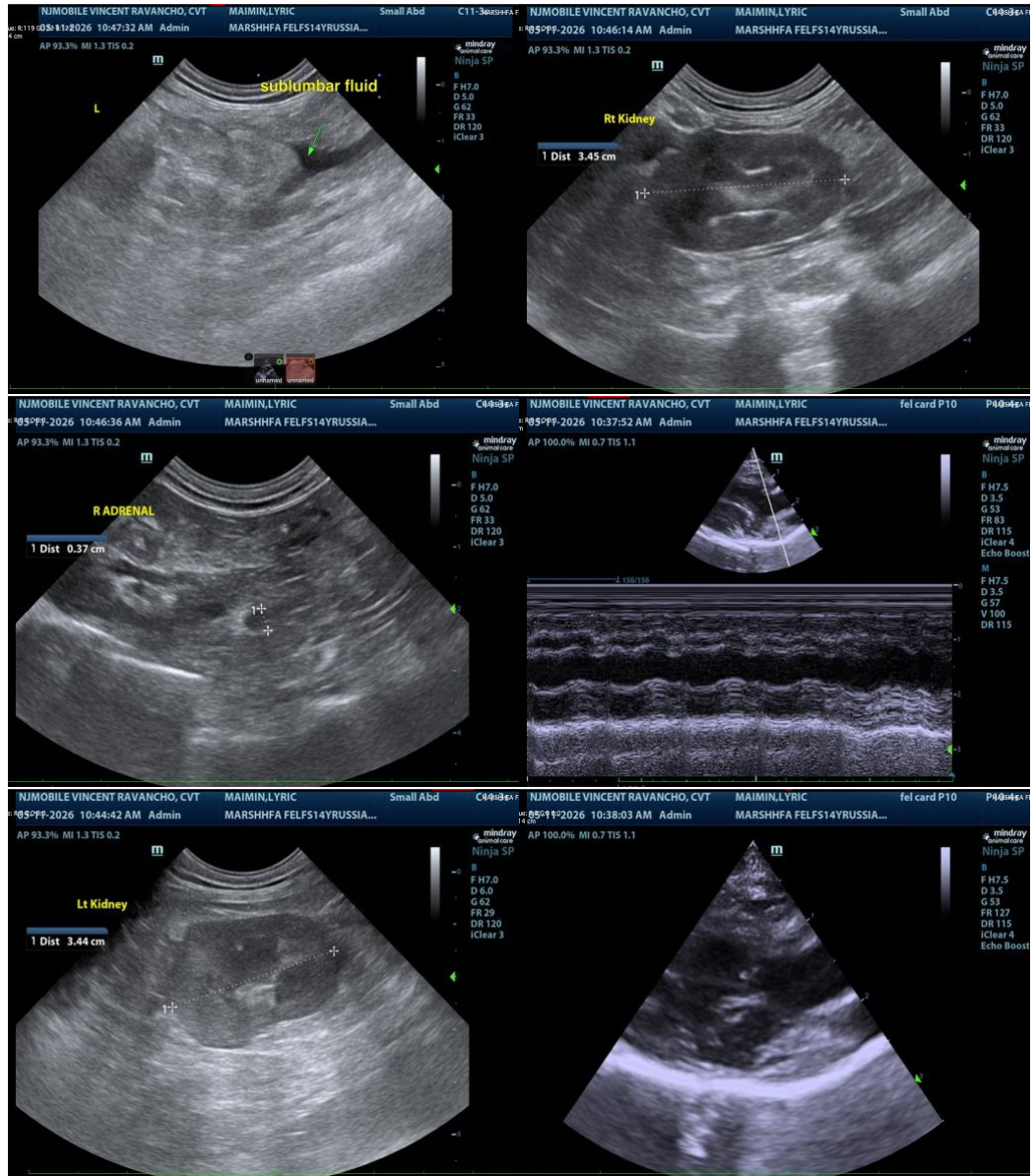
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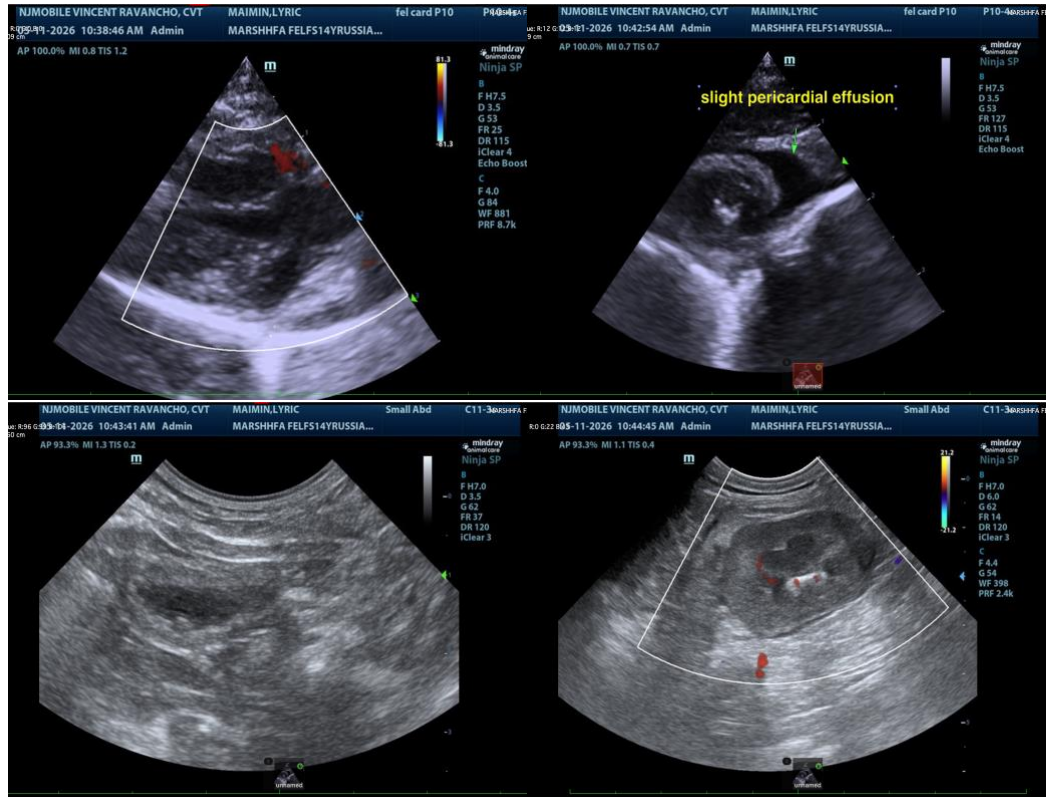
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,

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