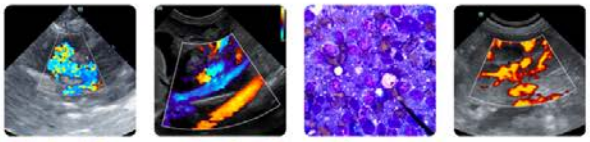


PATIENT

Charlie Tomasicchio

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

13

WEIGHT

20

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal Hospital

REFERRING VET

Dr. Harrs

INVOICE

72835

DATE

12/29/25

PRESENTING CLINICAL SIGNS

Presented non responsive got ROSC with CPR gallbladder halo on AFAST pale , HM possible pulmonary nodules on x rays.

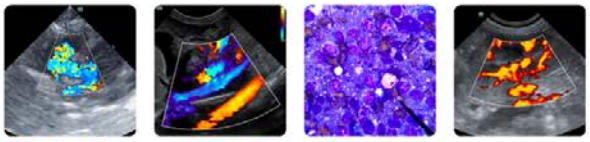
Abnormal PE/Chem/CBC/UA Results: CBC HCT 28% Glu 241 ALT 298 K 3.1 (post cpr)

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	1.26	1.4	--	--	NM
CANINE CARDIAC PARAMETERS	**HR** (BPM)	**AV VMAX** (m/s)	**PV MAX** (m/s)	**BODY WEIGHT**	**LAD** LA MAX 4 Chamber	**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	--	1.0	0.58	20	3.0	--	--

Cardiac Presentation

The echocardiogram in this patient demonstrated normal left atrial size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal mitral valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. 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 auricle and right ventricular free wall revealed an irregular mass measuring 3.0 cm. The mass impinged upon the right auricle and right ventricular free wall. Tricuspid valvular assessment demonstrated adequate linear morphology. Pulmonic tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible pericardial fluid. No echographically detectable evidence of infiltrative disease was visible. The cranial mediastinum and pericardial regions were free of masses in the visible window. Hepatic vein dilation was not present.



PATIENT

Charlie Tomasicchio

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

13

WEIGHT

20

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal Hospital

REFERRING VET

Dr. Harrs

INVOICE

72835

DATE

12/29/25

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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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 and no evidence of pelvic dilation was present. Right kidney measured 4.13 cm. Left kidney measured 4.3 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. Left measured 1.6 cm x 0.54 cm at the caudal pole and 0.51 cm at the cranial pole. Right measured 0.90 cm at the cranial pole and 0.50 cm at the caudal pole.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. Slight hypoechoic nodule noted in the mid splenic body measuring 0.60 cm. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

Gastrointestinal

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.

Pancreas

The **pancreas** presented hypoechoic, irregular, nodular changes, consistent with hyperplasia and potential pancreatitis.

PATIENT

Charlie Tomasicchio

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

13

WEIGHT

20

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal Hospital

REFERRING VET

Dr. Harrs

INVOICE

72835

DATE

12/29/25

Other

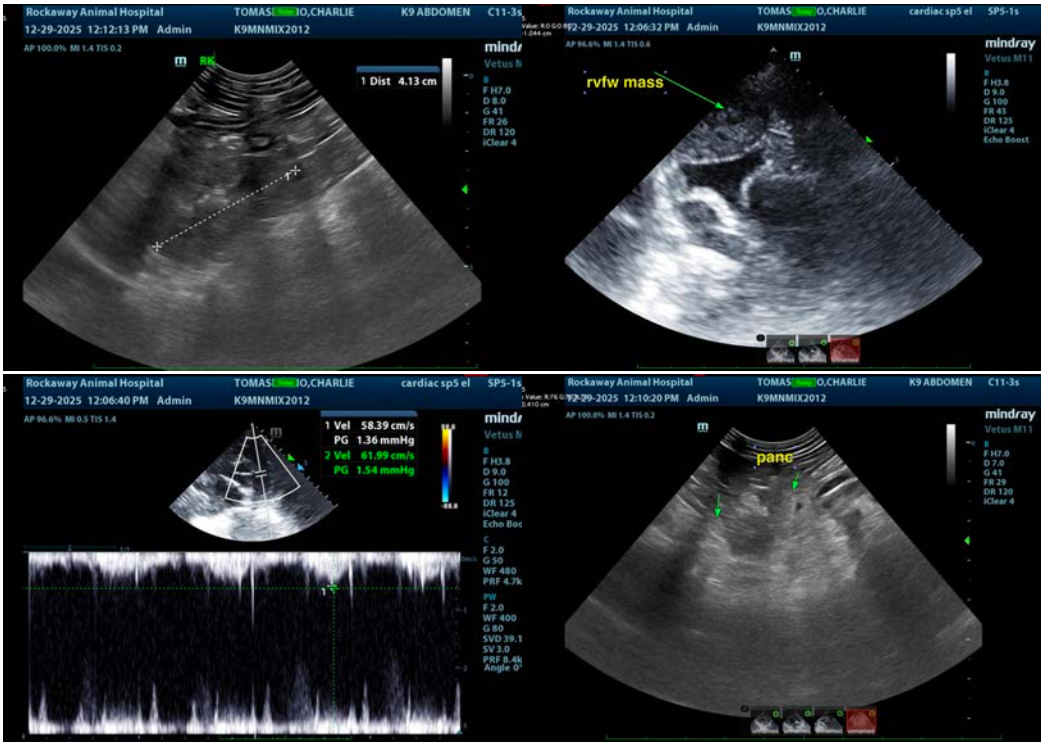
Pleural effusion noted through the diaphragm.

ULTRASONOGRAPHIC FINDINGS

- Right auricular/right ventricular free wall mass – strong concern for hemangiosarcoma or other type of sarcoma.
- Concurrent pleural effusion.
- Splenic nodule.
- Heterogeneous pancreatic changes, potential underlying pancreatitis.
- Age related renal and hepatic changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chest CT, pleurocentesis and cytospin indicated to assess the extent of the pathology. Prognosis is guarded to poor depending upon further diagnostics. Subxiphoid palpation is recommended to assess for pain or discomfort associated with the pancreas.



PATIENT

Charlie Tomasicchio

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

13

WEIGHT

20

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal Hospital

REFERRING VET

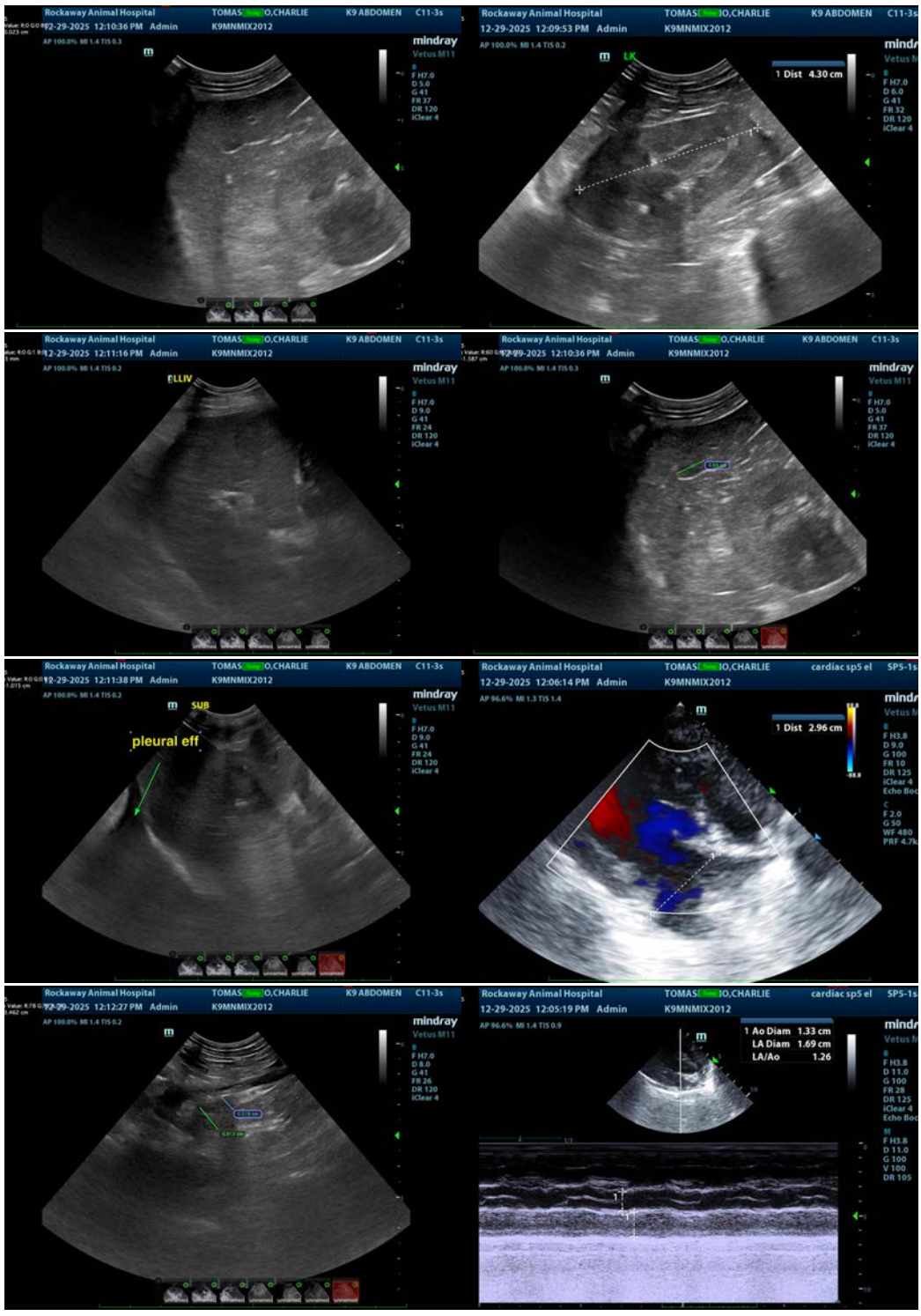
Dr. Harrs

INVOICE

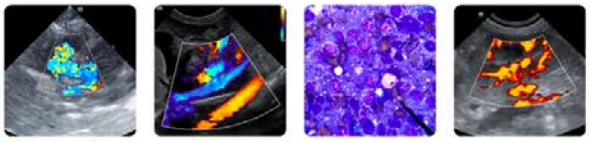
72835

DATE

12/29/25



SonoPath
FOSTERING THE ART OF VETERINARY MEDICINE™



Clinical Sonography & Telecytology
Educational Teleconsultation Services™

SonoPath.com info@sonopath.com 1.800.838.4268

PATIENT

Charlie Tomasicchio

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

13

WEIGHT

20

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal Hospital

REFERRING VET

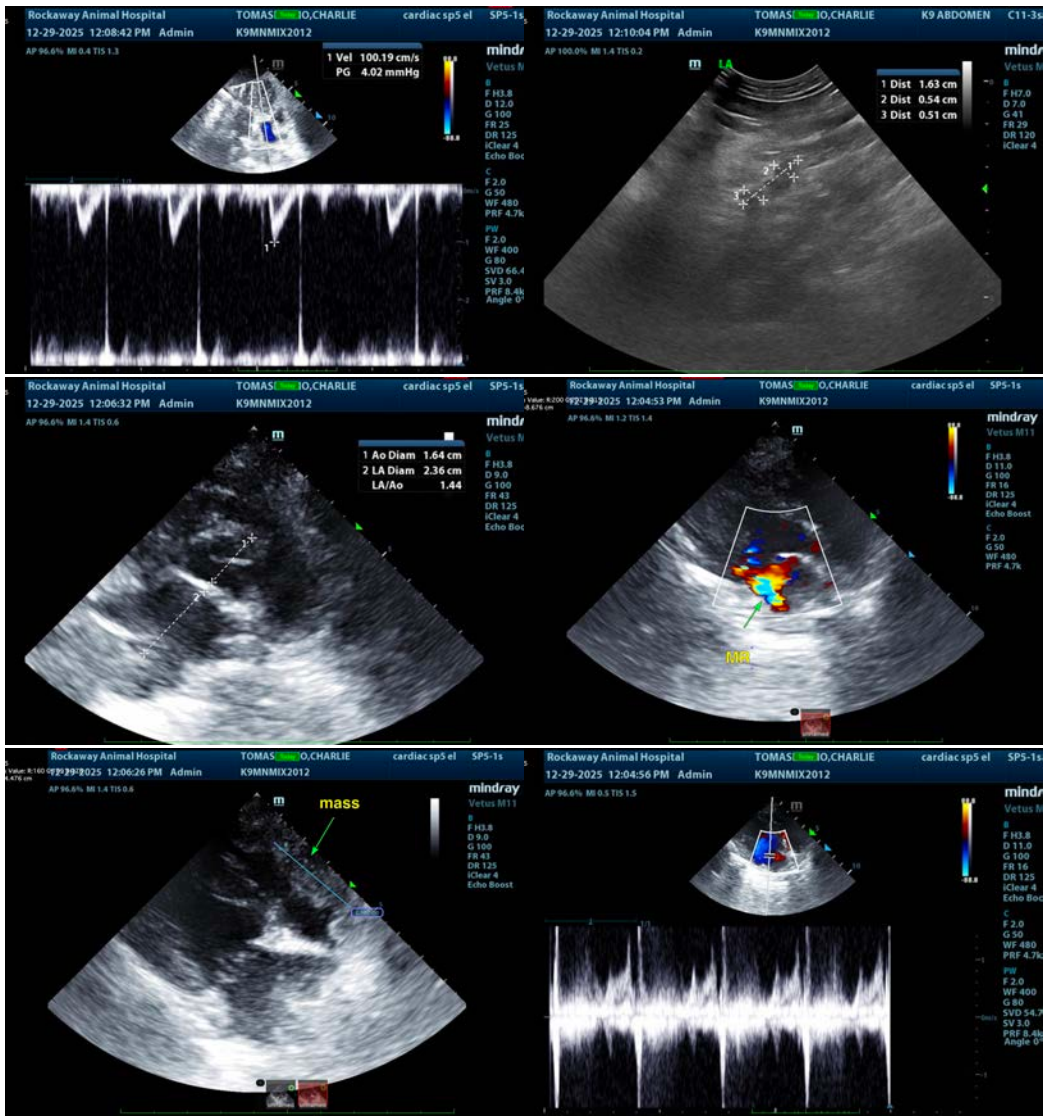
Dr. Harrs

INVOICE

72835

DATE

12/29/25



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,
CEO, Owner, Founder -- SonoPath.com
info@SonoPath.com