



PATIENT

Fatty Patty Dooley

PRESENTING CLINICAL SIGNS

increased resp rate; outdoor cat; infectious profile pending

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

7 Years

WEIGHT

N/A

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	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		NM	--	--		--	--
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.5	1.63	1.4	1.0	--	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 demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented normal 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 and angles of the myocardium. **Aortic** insufficiency noted at 4.0 m/sec. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** insufficiency also noted, not clinically significant. No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

Urinary System

The **urinary bladder** revealed a trace amount of sand and a large amount of debris. An approximate 1.3 cm polyp was noted in the at the cystourethral junction. The polyp appears to be functioning as a cork-type region at the cystourethral junction, allowing for poor outflow.

INVOICE

40217

DATE

8/5/22

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar



PATIENT

Fatty Patty Dooley

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

7 Years

WEIGHT

N/A

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

40217

DATE

8/5/22

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 adrenal gland measured 0.95 cm x 0.36 cm.

Spleen

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 were noted.

Liver

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.

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 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.

ULTRASONOGRAPHIC FINDINGS

- Aortic and pulmonic insufficiency, unremarkable heart otherwise
- Cystourethral junction polyp, possible transitional cell carcinoma. However, benign polypoid hyperplasia possible, as this patient is typically too young for TCC. However, it should be ruled out as a potential.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If the patient was sedated for the sonogram, the insufficiencies are likely artificial.

Surgical intervention could be considered regarding the cystourethral polyp. However, clean resection would likely be difficult, as the polyp is in the cystourethral junction and enters into the lumen of the proximal urethra, and appears to be attached to the ventral wall. Biopsies or debulking could be performed from cystotomy approach, yet urethral stent placement may be necessary long-term management. No evidence of metastatic disease. Urine culture and sensitivity and bladder lavage all indicated.



PATIENT

Fatty Patty Dooley

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

7 Years

WEIGHT

N/A

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

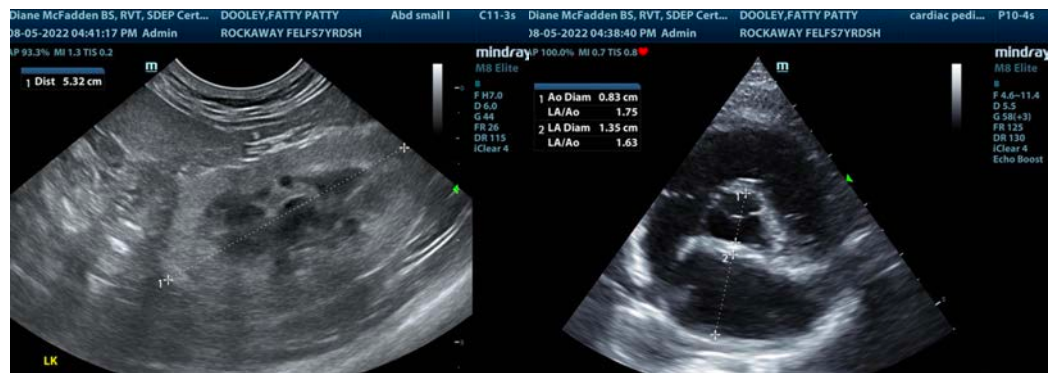
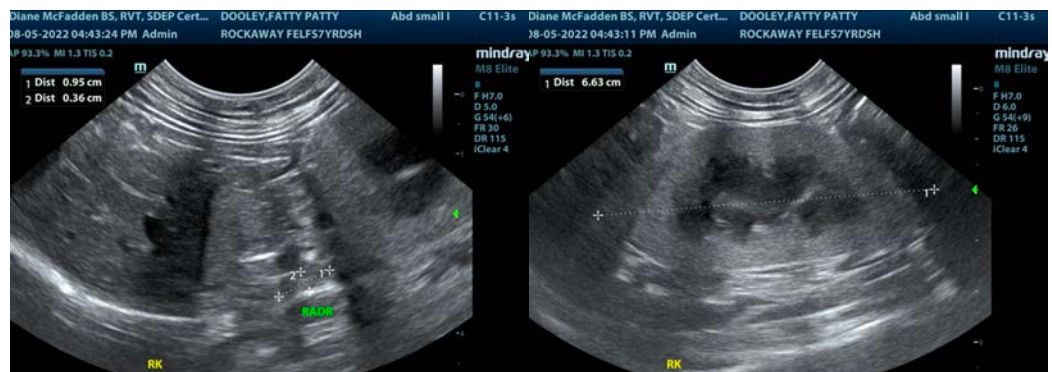
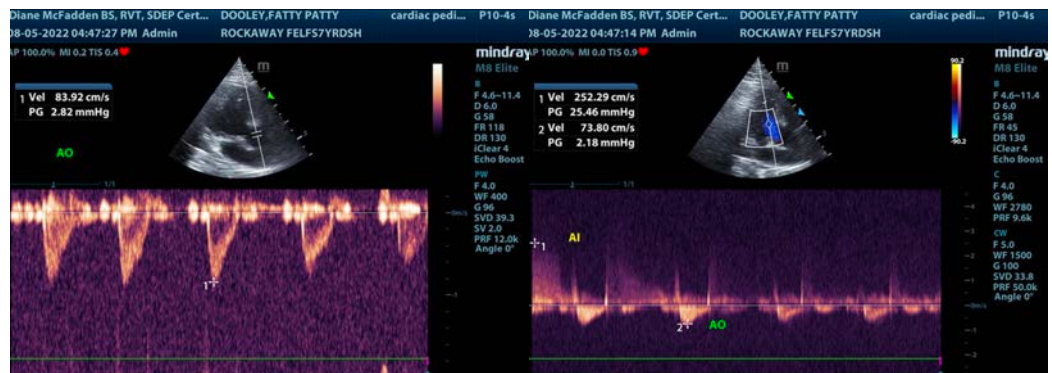
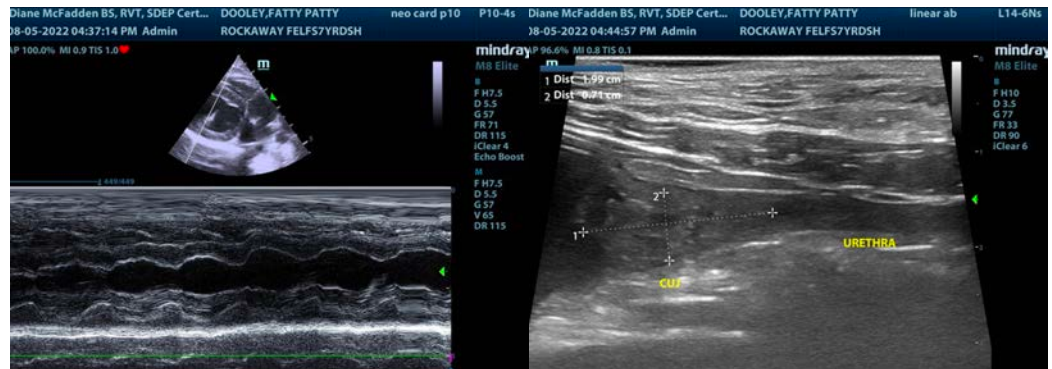
Dr. Maniar

INVOICE

40217

DATE

8/5/22





PATIENT

Fatty Patty Dooley

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

7 Years

WEIGHT

N/A

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

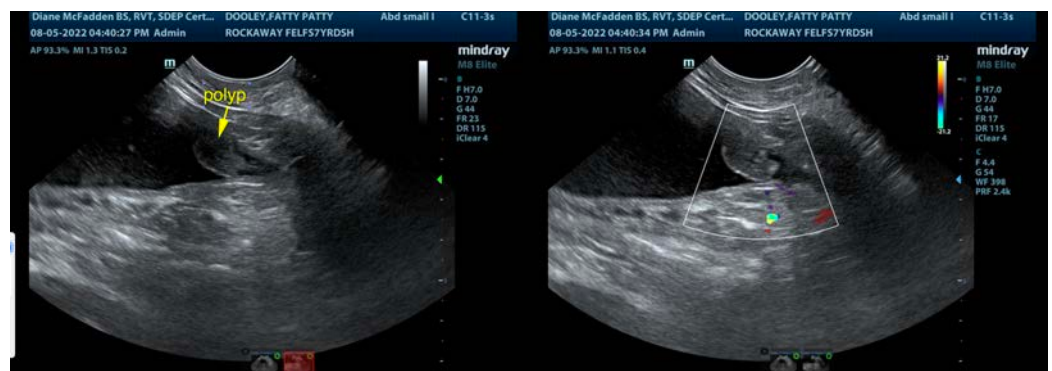
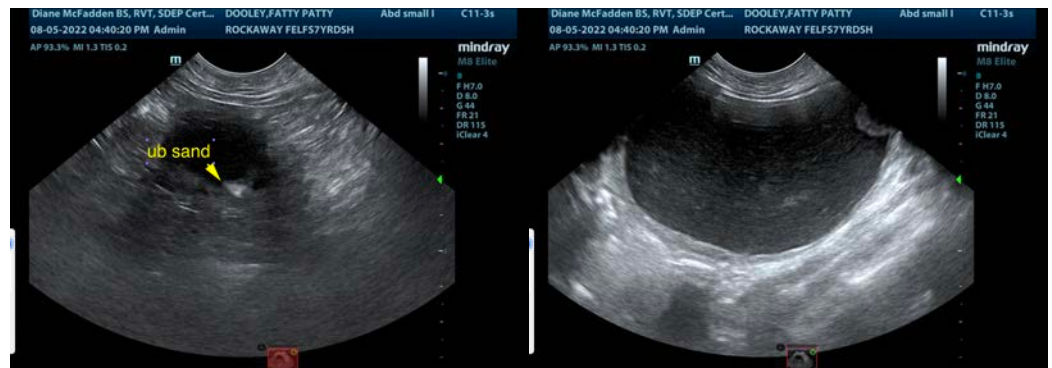
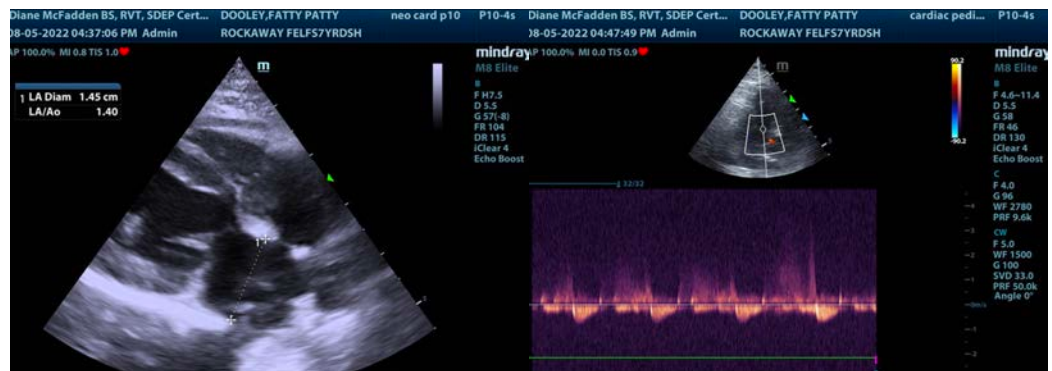
Dr. Maniar

INVOICE

40217

DATE

8/5/22





PATIENT

Fatty Patty Dooley

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

7 Years

WEIGHT

N/A

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

Rockaway AH

REFERRING VET

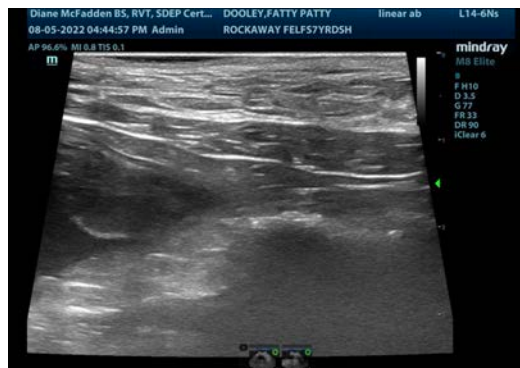
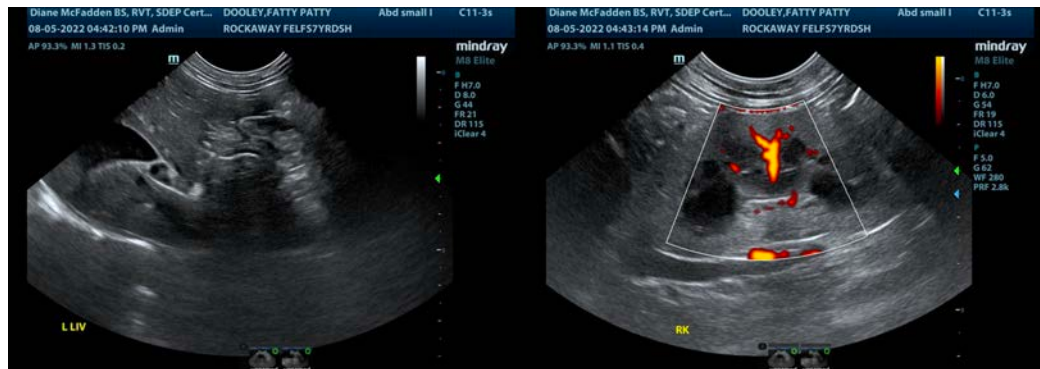
Dr. Maniar

INVOICE

40217

DATE

8/5/22



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