
PATIENT PRESENTING CLINICAL SIGNS

Spencer Camp
 Hyperthyroid - on y/d; no other treatment as of yet Moderate grade left and sternal systolic heart murmur. FORL. Previous abscess under chin.
SPECIES Abnormal PE/Chem/CBC/UA Results: Hyperthyroid diagnosed at primary veterinarian. I can get records soon. ProBNP Snap normal. Chem Abaxis Normal
 Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

10 yrs

WEIGHT

7 lbs

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Trivial **mitral** valve insufficiency was noted, yet adequate apposition was noted. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. Minor **myocardial** remodeling was noted, yet not clinically significant. **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. 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 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** 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 or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

INTERPRETED BY

 Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

IMAGING PERFORMED BY

 Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

HOSPITAL NAME

 Charleston Animal
 Society

REFERRING VET

Dr. Morris

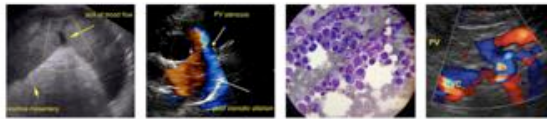
INVOICE

95811

DATE

2/3/22

FELINE CARDIAC PARAMETERS	BODY WEIGHT	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	7 lbs	NM	0.5	1.4	0.5	55	
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	1.15	1.1	1.3 max		1.5	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							



PATIENT ULTRASONOGRAPHIC FINDINGS

Spencer Camp Essential normal echocardiogram with trivial mitral insufficiency.

SPECIES Myocardial remodeling, essentially an age related change.

Feline Essentially a flow murmur.

BREED INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Domestic Shorthair Thyroid and blood pressure measurements should be monitored. However, there are no functional deficits noted. There is no contraindication to anesthetic procedure if necessary. Suggested anesthetic protocol would include Torbutrol premed, Propofol induction, and Isoflurane maintenance or similar. A recheck echocardiogram is recommended in a year or earlier if murmur grade increases or clinical signs initiated.

SEX

Neutered male

AGE

10 yrs

WEIGHT

7 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

HOSPITAL NAME

Charleston Animal
Society

REFERRING VET

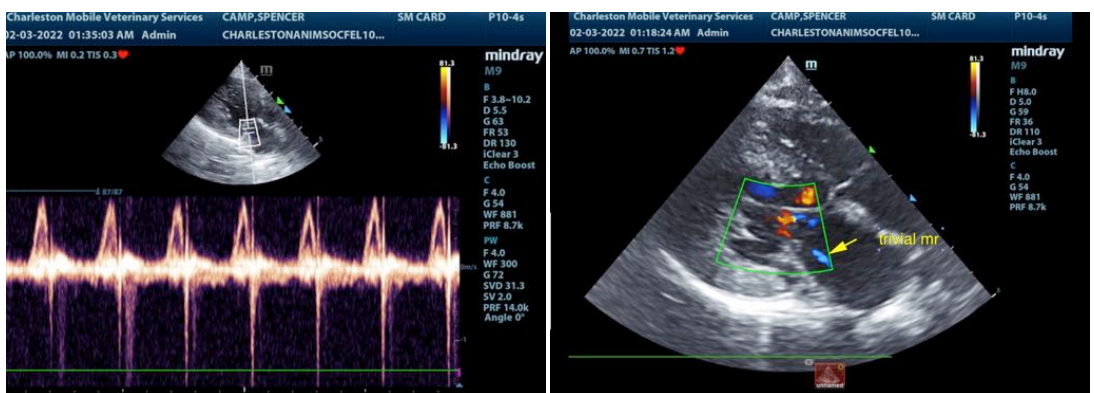
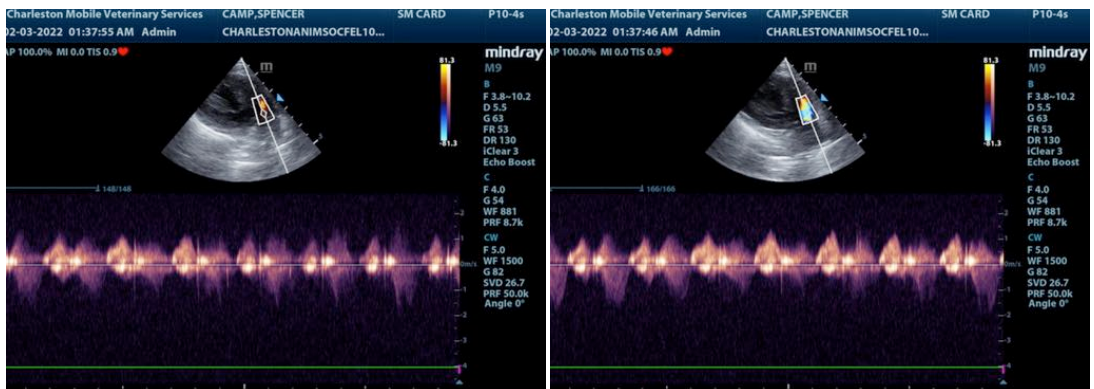
Dr. Morris

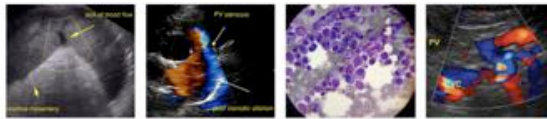
INVOICE

95811

DATE

2/3/22





PATIENT

Spencer Camp

SPECIES

Feline

BREED

Domestic Shorthair

SEX

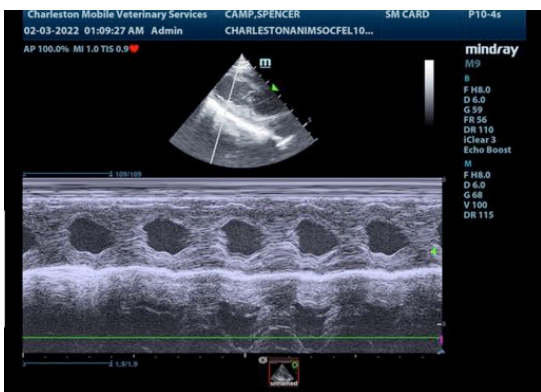
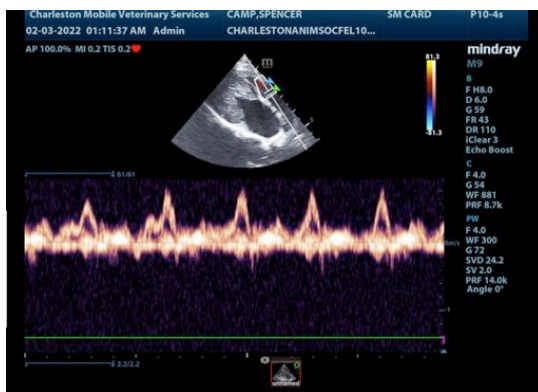
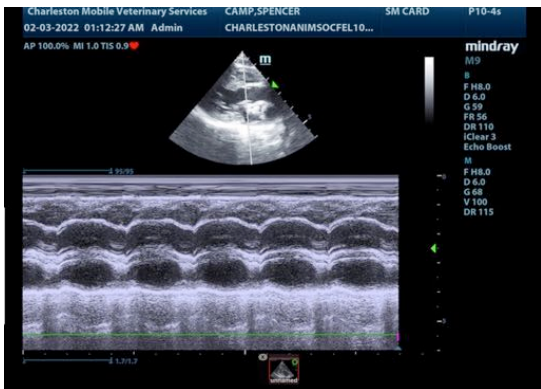
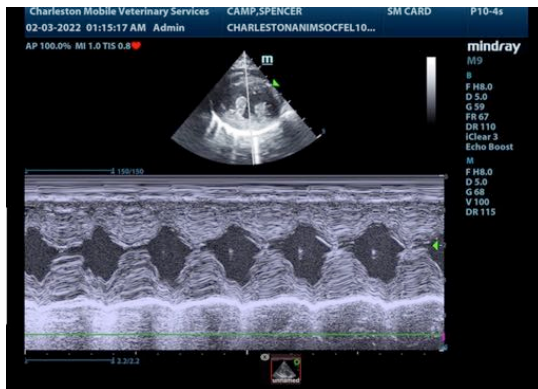
Neutered male

AGE

10 yrs

WEIGHT

7 lbs



INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

HOSPITAL NAME

Charleston Animal
Society

REFERRING VET

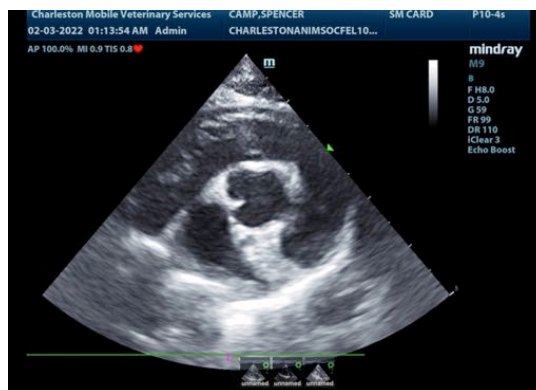
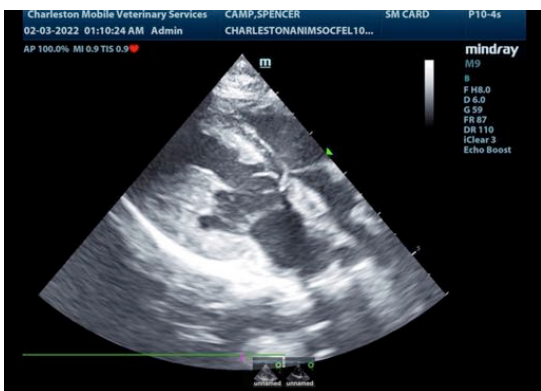
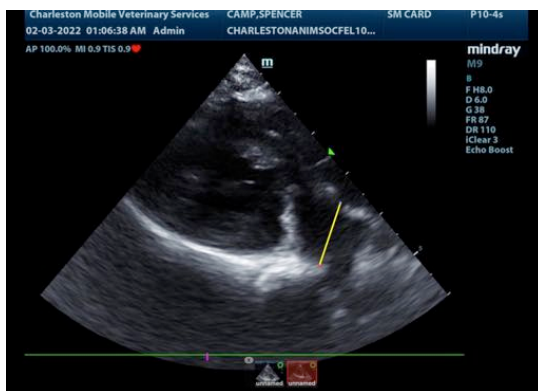
Dr. Morris

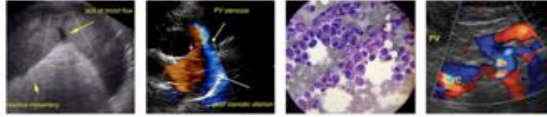
INVOICE

95811

DATE

2/3/22





PATIENT

Spencer Camp

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.

SPECIES

Feline

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.

BREED

Domestic Shorthair

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.Nicastro@CharlestonMobile.net

SEX

Neutered male

AGE

10 yrs

WEIGHT

7 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

**IMAGING
PERFORMED BY**

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

HOSPITAL NAME

Charleston Animal
Society

REFERRING VET

Dr. Morris

INVOICE

95811

DATE

2/3/22