



PATIENT

Beetle Kimura

SPECIES

Feline

BREED

Maine Coon

SEX

Male Neuter

AGE

9

WEIGHT

7 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Healthy Paws
Forward VC

REFERRING VET

Dr. Kimura

INVOICE

15733

DATE

12/28/22

PRESENTING CLINICAL SIGNS

Diagnosed Hyperthyroid 1 month ago on medication. No murmur stress-induced tachycardia 170 bpm
Abnormal PE/Chem/CBC/UA Results: T4 elevated on meds for one month post pill T4 pending today

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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		169	0.62	1.75	0.55	50	85
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		1.4	1.4	1.2	0.84	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. No overt MR or evidence of SAM. The **left ventricle** presented normal thicknesses with linear contour and was not dilated nor restricted. No evidence of IVS or LV free wall hypertrophy. 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. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. Normal measured LVOT velocity was present. 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). Normal measured RVOT velocity was present. 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. No overt tachycardia or arrhythmia in this study.



PATIENT

Beetle Kimura

ULTRASONOGRAPHIC FINDINGS

- Normal echocardiogram

SPECIES

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of structural or functional cardiomyopathy including no evidence of HCM criteria, SAM, or left or right heart chamber enlargement. No indication for cardiac medications. Recheck echocardiogram may be considered in 12 months, sooner if clinical signs consistent with cardiac disease arise or if a murmur develops.

BREED

Maine Coon

SEX

Male Neuter

AGE

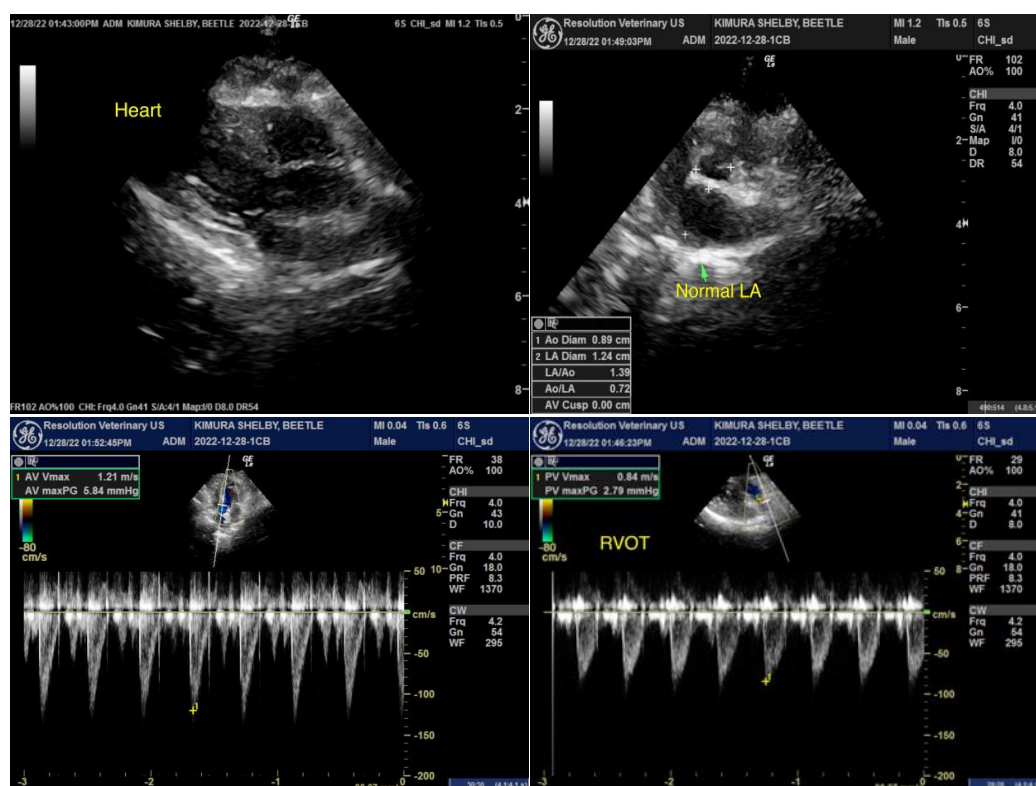
9

WEIGHT

7 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)



IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Healthy Paws
Forward VC

REFERRING VET

Dr. Kimura

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.

INVOICE

15733

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.

DATE

12/28/22

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com