



PATIENT

Solstice Somers

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Male

AGE

4 months

WEIGHT

5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Bill McGee

HOSPITAL NAME

Bridgeport AH PLLC

REFERRING VET

Dr. McGee

PRESENTING CLINICAL SIGNS

History: A grade 4 of 6 murmur was detected on a routine vaccination exam. There are currently no clinical signs consistent with heart disease. He is growing well and appears to be overall healthy. There is a grade 4 right sided holosystolic murmur on examination today.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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 septal and free wall thicknesses with normal internal diameter and small ventricular septal defect that measured 3.5 mm noted with left to right shunting over 6 m/sec. 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 **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.

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	5 lbs	NM	0.34	2.0	0.34	44	78
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	1.3	1.4			1.1	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

ULTRASONOGRAPHIC FINDINGS

Small ventricular septal defect, appears compensated at this time. Left to right shunting.

INVOICE

76025

DATE

7/10/23



INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is minimal risk of anesthesia in this patient if necessary. Recheck echocardiogram is recommended in 6 months or earlier if murmur grade increases or decreases or if clinical signs initiate. Torbutrol pre med, Propofol induction and Isoflurane maintenance is recommended for any anesthesia necessary.

PATIENT

Solstice Somers

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Male

AGE

4 months

WEIGHT

5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Bill McGee

HOSPITAL NAME

Bridgeport AH PLLC

REFERRING VET

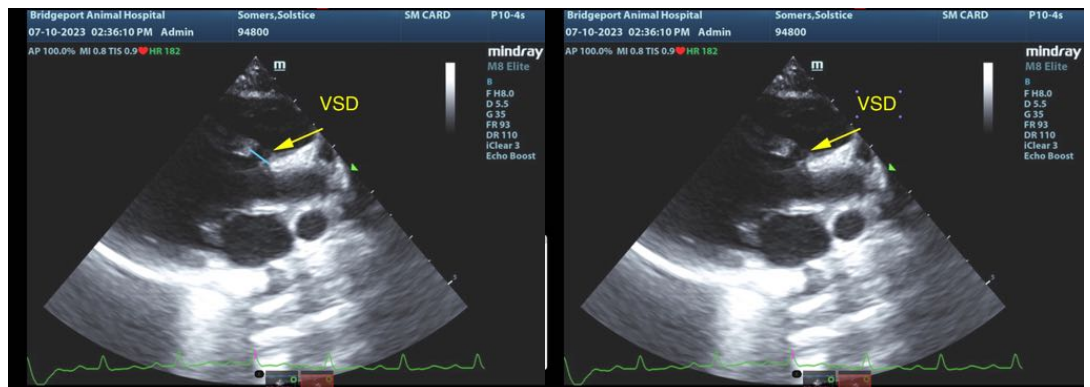
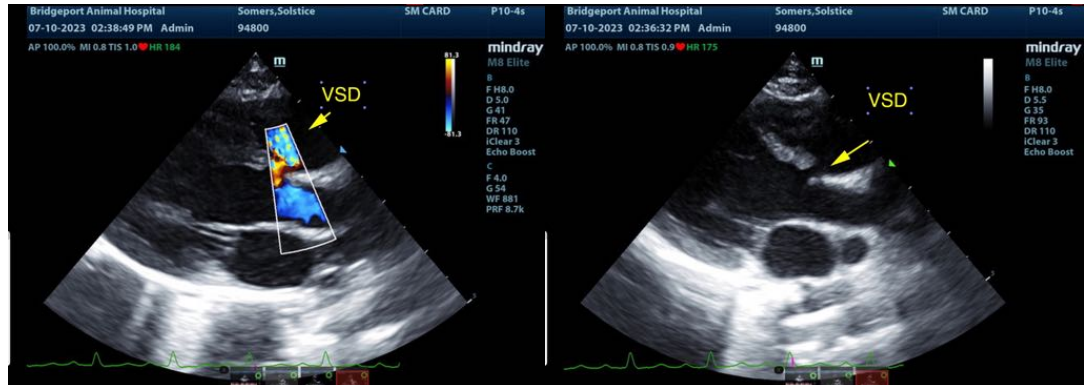
Dr. McGee

INVOICE

76025

DATE

7/10/23





PATIENT

Solstice Somers

SPECIES

Feline

BREED

Domestic Shorthair



SEX

Male

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.

AGE

4 months

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.

WEIGHT

5 lbs

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Bill McGee

HOSPITAL NAME

Bridgeport AH PLLC

REFERRING VET

Dr. McGee

INVOICE

76025

DATE

7/10/23