



PATIENT

Ayra Arzuaga

PRESENTING CLINICAL SIGNS

Patient presents for new heart murmur. No current meds.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

DSH

SEX

Spayed Female

AGE

2 Years

WEIGHT

10 Pounds

| 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 | 0.65 | 1.2 | 0.65 | 55 | 67 |
| 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 | 1.2 | 1.2 | | | 6.0 | 1.25 | 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

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Willowbrook AC

REFERRING VET

Dr. John Palescandolo

INVOICE

25012

DATE

8/27/21

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. Mitral insufficiency and increased left ventricular outflow velocity present, consistent with hypertrophic cardiomyopathy. Excessive left ventricular wall thickness noted. Bi-directional turbulence noted. 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.

ULTRASONOGRAPHIC FINDINGS

- Hypertrophic cardiomyopathy, compensated at this time
- Elevated LVOT velocity and minor mitral insufficiency

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No therapy recommended at this time. Recheck echo in 6 months.



PATIENT

Ayra Arzuaga

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

2 Years

WEIGHT

10 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Willowbrook AC

REFERRING VET

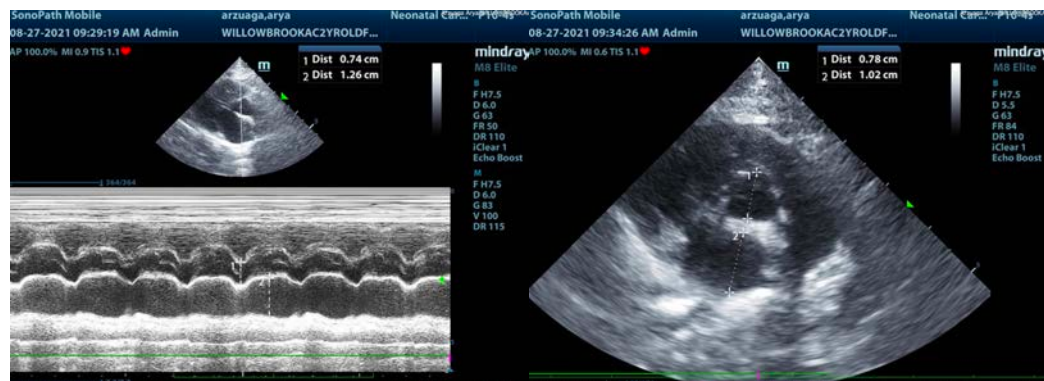
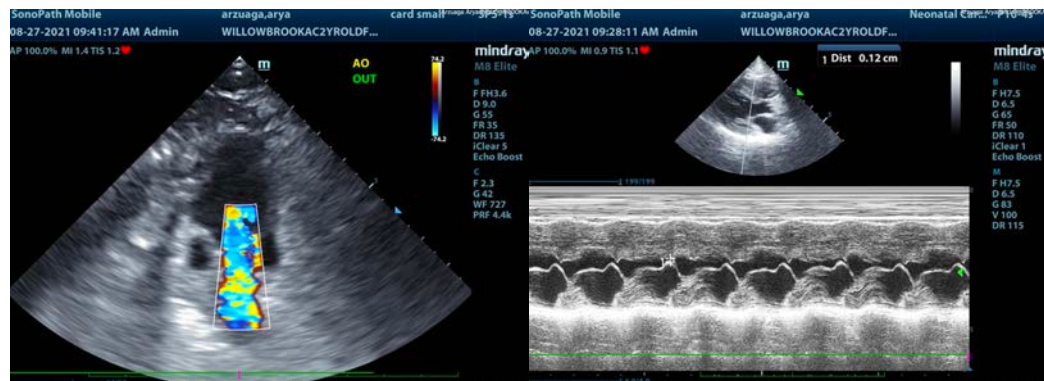
Dr. John Palessandolo

INVOICE

25012

DATE

8/27/21





PATIENT

Ayra Arzuaga

SPECIES

Feline

BREED

DSH

SEX

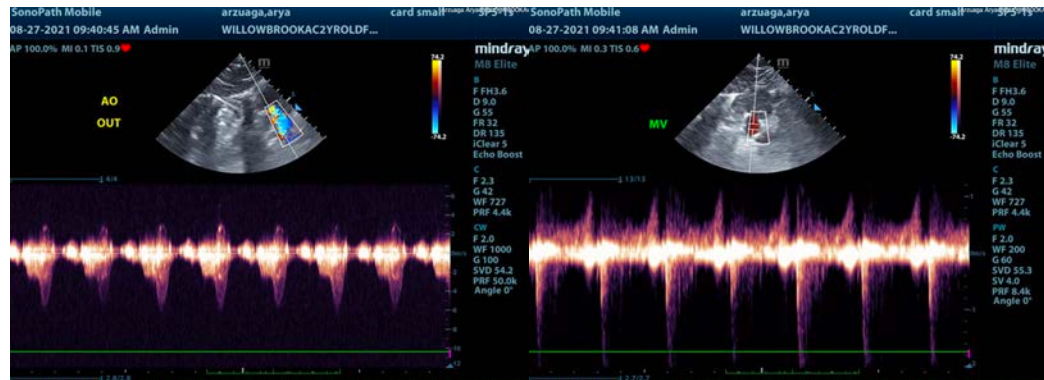
Spayed Female

AGE

2 Years

WEIGHT

10 Pounds



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Willowbrook AC

REFERRING VET

Dr. John Palesscandolo

INVOICE

25012

DATE

8/27/21

The information and recommendations provided are based on the images presented by the referring veterinarian. 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