



**PRESENTING CLINICAL SIGNS**

History: Grade II/VI murmur. Peritoneal effusion (clear transudate), breathing issues, losing weight, anorexic. Receiving cyproheptadine. BW – elevated liver enzymes.

DATE

2/18/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

PERFORMED BY:

Shari Reffi, CVT

INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

PATIENT

Casper Davis

SPECIES

Feline

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve appear normal, though trace aortic insufficiency is present. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though mild tricuspid regurgitation is present. TR velocity is consistent with the presence of mild pulmonary hypertension (PG 36 mmHg). The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

- LA – 15.1 mm
- IVSd – 5.1 mm
- LVPWd – 5.0 mm
- LVIDd – 15.1 mm
- LVIDs – 7.4 mm
- FS – 51%
- RA – 12.2 mm
- LVOT – 0.95 m/s
- RVOT – 0.87 m/s
- TR – 3.00 m/s

**ASSESSMENT/RECOMMENDATIONS**

BREED

DSH

SEX

MN

AGE

17 y

WEIGHT

HOSPITAL NAME

Animal Mansion

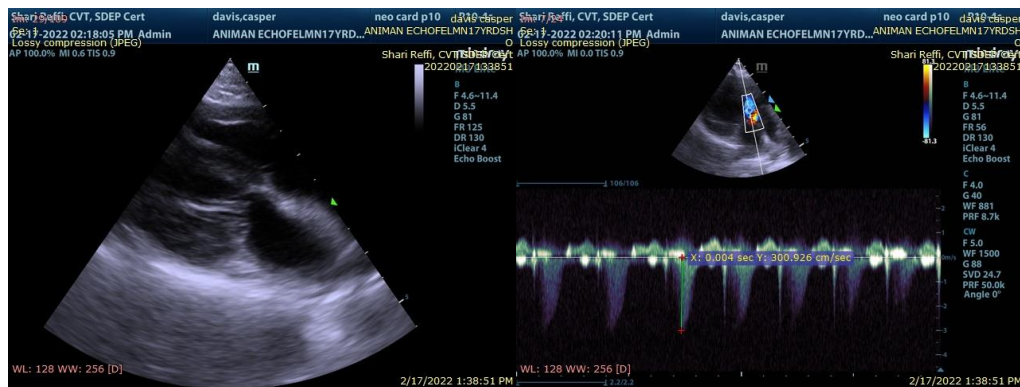
REFERRING VET

Dr. Parker

This examination demonstrates mild regurgitation of blood across Casper's tricuspid valve, the velocity of which is consistent with the presence of mild pulmonary hypertension. The hemodynamic effects of the two conditions appear to be mild, as Casper does not have secondary dilation of either of his right heart chambers. Given the absence of right atrial dilation, it appears unlikely that Casper's peritoneal effusion is cardiogenic in origin, and no reason for his weight loss, anorexia, and breathing issues is appreciated in the image set.

No therapy appears to be warranted based on this exam. Having said that, diuretic therapy could potentially be indicated based on the underlying cause of Casper's peritoneal effusion.

A recheck echocardiogram is recommended in ~6 months.





**DATE** 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.  
2/18/22

**PERFORMED BY:** 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.

Shari Reffi, CVT

**INTERPRETED BY** Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com  
631-804-5754

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Casper Davis

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**AGE**

17 y

**WEIGHT**

**HOSPITAL NAME**

Animal Mansion

**REFERRING VET**

Dr. Parker