

RESENTING CLINICAL SIGNS

DATE

9/30/21

History: Grade 3/4 left-sided murmur. Collapsed after becoming excited. Radiographs – moderate cardiomegaly, suspect cardiogenic pulmonary edema, mainstem bronchial collapse. Sedated for exam with acepromazine and butorphanol.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Brian Barnes

There is moderate to severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate to severe jet of eccentric mitral regurgitation is present. There is moderate to severe left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. There is mild right atrial and right ventricular dilation. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

ECG during echo: Sinus rhythm

PATIENT

Kate Cable

LA – 37.7 mm
LVIDd – 38.1 mm
LVIDs – 18.9 mm
FS – 50.4%
LVOT – 0.93 m/s
RVOT – 0.76 m/s
TR – 2.80 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS
Degenerative mitral valve disease

BREED

Havanese

This examination demonstrates moderate to severe mitral regurgitation resulting from degenerative valve disease. Secondary to her regurgitation, Kate has moderate to severe dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. Given the severity of her disease, it's likely that Kate's mitral regurgitation contributed to her collapsing episode, though an episode of vasovagal syncope should be considered as well. Kate is at high risk for the development of left-sided congestive heart failure, therefore, it would come as no surprise if her radiographs showed the presence of cardiogenic pulmonary edema.

SEX

FS

Recommended therapy based on this exam and Kate's reported radiographic findings include furosemide (10 mg BID), benazepril (3.75 mg BID), and pimobendan (2.5 mg BID).

AGE

10 y

Recheck radiographs and a renal/electrolyte profile are recommended in 1 week. A recheck echocardiogram is recommended in 6 months.

WEIGHT

8.06 kg

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Barnes



DATE

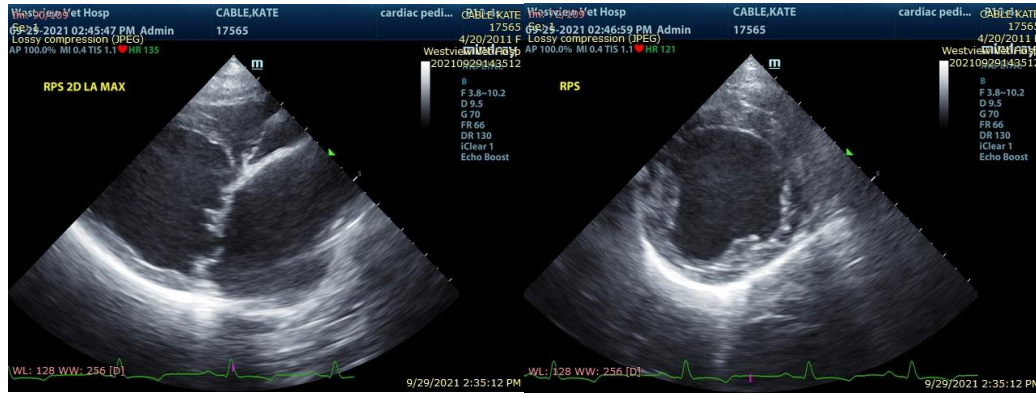
9/30/21

PERFORMED BY:

Dr. Brian Barnes

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



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.

PATIENT

Kate Cable

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.

SPECIES

Canine

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

BREED

Havanese

SEX

FS

AGE

10 y

WEIGHT

8.06 kg

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Barnes