



PRESENTING CLINICAL SIGNS

History: Grade 6/6 left-sided murmur. BNP 1143.

DATE

12/10/21

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Jenna Walsh, CVT

There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate jet of eccentric mitral regurgitation is present. There is moderate left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA - 36.2 mm
LVIDd - 35.5 mm
LVIDs - 19.2 mm
FS - 45.9%
RA - 21.7 mm
LVOT - 1.01 m/s
RVOT - 0.65 m/s
TR - 2.69 m/s

PATIENT

Lucy McDaniels

SPECIES

Canine

ELECTROCARDIOGRAPHIC FINDINGS

A single lead ECG is submitted for review.

HR: 120 bpm
Rhythm: Sinus

BREED

Cocker Spaniel

Normal sinus rhythm is present throughout this recording. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

SEX

FS

ASSESSMENT/RECOMMENDATIONS
Degenerative mitral and tricuspid valve disease

AGE

13 y

This examination demonstrates regurgitation of blood across Lucy's mitral and tricuspid valves resulting from degenerative valve disease. Lucy's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Lucy has moderate mitral regurgitation present, with moderate secondary dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. Lucy's mitral valve disease is still compensated, however, its severity indicates that she is at risk for the development of clinical signs, such as coughing, exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

WEIGHT

17.5 lb

No abnormalities are appreciated in Lucy's ECG.

HOSPITAL NAME

Ark AH

I recommend starting Lucy on pimobendan (2.5 mg BID), as this medication should help to slow the progression of her mitral valve disease.

A recheck echocardiogram is recommended in 6-9 months. Thoracic radiographs are recommended if Lucy experiences respiratory clinical signs.

REFERRING VET

Dr. Jackson



DATE

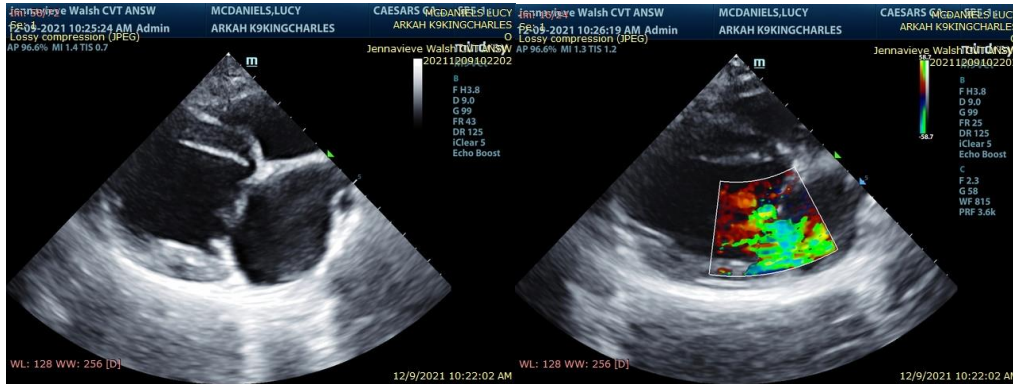
12/10/21

PERFORMED BY:

Jenna Walsh, CVT

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

Lucy McDaniels

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

Cocker Spaniel

SEX

FS

AGE

13 y

WEIGHT

17.5 lb

HOSPITAL NAME

Ark AH

REFERRING VET

Dr. Jackson