


PRESENTING CLINICAL SIGNS

DATE History: Lethargy, weight loss. Heart sounds difficult to hear. Radiographs show an enlarged cardiac silhouette. Stray that is fed by a few different people.

11/9/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, Doppler study.

PERFORMED BY:

Dr. Meredith Swart

There is borderline mild left atrial dilation. The mitral valve appears normal, though mild mitral regurgitation is present. There is severe left ventricular dilation. Left ventricular systolic function is severely depressed. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA - 43.0 mm
LVIDd - 57.4 mm
LVIDs - 52.7 mm
FS - 8%

PATIENT

Princess Moody

RA - 32.3 mm
LVOT - 1.11 m/s
RVOT - 0.64 m/s

ASSESSMENT/RECOMMENDATIONS

SPECIES Dilated cardiomyopathy (DCM)

Canine

This examination demonstrates severe depression of Princess's left ventricular systolic function, consistent with the presence of DCM. It's possible that Princess could be suffering from a primary genetic-based form of the disease, however, consideration should also be given to a dietary deficiency or toxicity as a possible cause. Secondary to her myocardial dysfunction, Princess has severe dilation of her left ventricle and borderline mild dilation of her left atrium. Princess's lethargy and weight loss are likely related to a decrease in her forward cardiac output, though it's possible that an arrhythmia could be contributing to her lethargy. Patients with DCM are at risk for the development of left- and/or right-sided congestive heart failure, exercise intolerance, syncope, and sudden death, therefore, careful monitoring for these is recommended.

BREED

Pit Bull Mix

SEX

FS

An ECG is recommended to evaluate for the presence of an arrhythmia.

AGE

~10 y

I recommend feeding Princess a traditional grain-based diet that is low in peas, lentils, chickpeas, beans, potatoes, and sweet potatoes. Please refer to the Tufts Heart Smart website for recommended diets for dogs with cardiac disease.

WEIGHT

50 lb

I recommend starting Princess on pimobendan (5 mg BID), enalapril (10 mg BID), spironolactone (25 mg BID), and taurine (1000 mg BID), as these medications should help to support her myocardial function, and hopefully improve her lethargy. Consideration can also be given to starting Princess on an omega-3 supplement to help slow the progression of her weight loss.

HOSPITAL NAME

Swart Veterinary
Imaging

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6 months. Thoracic/abdominal radiographs are recommended if clinical signs compatible with congestive heart failure develop.

REFERRING VET

Dr. Swart



DATE

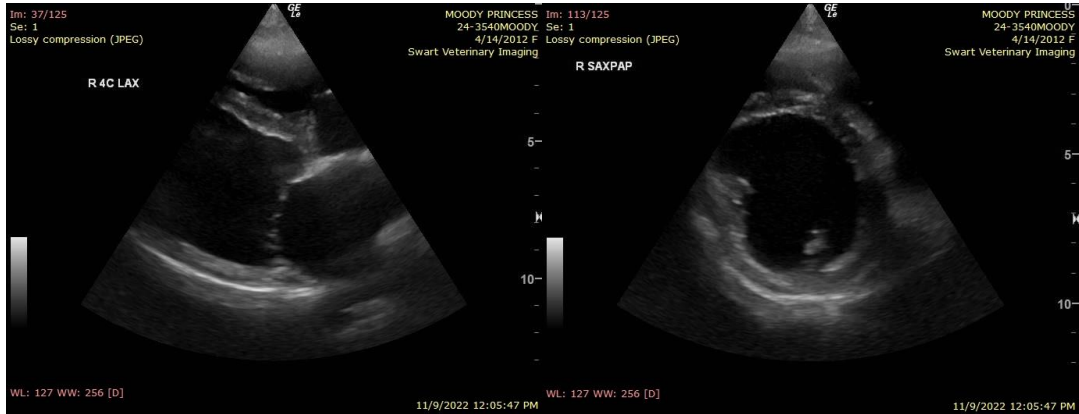
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PATIENT

Princess Moody

SPECIES

Canine

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.

BREED

Pit Bull Mix

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.

SEX

FS

Keith Blass, DVM, MS, DACVIM (Cardiology)
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631-804-5754

AGE

~10 y

WEIGHT

50 lb

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart