


PRESENTING CLINICAL SIGNS

DATE History: Possible collapse when excited. No murmur. No arrhythmia auscultated but ECG pending.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY: There is mild left atrial dilation. The mitral valve appears normal. There is moderate 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 appears normal. The pulmonary artery and pulmonic valve appear normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA - 51.9 mm
LVIDd - 58.8 mm
LVIDs - 54.3 mm
FS - 7.7%
RA - 34.2 mm
LVOT - 1.07 m/s

PATIENT

Otis Shmunes

ASSESSMENT/RECOMMENDATIONS

Dilated cardiomyopathy (DCM)

SPECIES

Canine

This examination demonstrates severe depression of Otis's left ventricular systolic function, consistent with the presence of DCM. Given his breed, it's likely that Otis suffers from a primary genetic-based form of the disease, however, a diet-associated cardiomyopathy should also be considered if Otis is receiving one that has been linked to the development of myocardial dysfunction in dogs (ex. diets high in peas, lentils, legumes, potatoes). Secondary to his myocardial dysfunction, Otis has moderate dilation of his left ventricle and mild dilation of his left atrium. As only mild left atrial dilation is present, Otis's current risk for the development of left-sided congestive heart failure does not appear to be significantly elevated, though careful monitoring of his respiratory rate/effort is recommended. Dogs with DCM are also at risk for the development of right-sided congestive heart failure, therefore, careful monitoring for the development of abdominal distension is recommended.

BREED

Doberman Pinscher

SEX

MN

Given the presence of severe myocardial dysfunction, it's certainly possible that Otis's DCM could be the cause of his collapsing episode, though an arrhythmia should be considered as well.

AGE

5 y

A whole blood or taurine level is recommended if Otis is receiving a non-traditional diet.

Recommended therapy to help support Otis's myocardial dysfunction includes pimobendan (10 mg BID), enalapril (20 mg BID), and spironolactone (37.5 mg BID). Additional therapy may be indicated based on the results of Otis's ECG. Avoidance of high-intensity exercise is recommended.

WEIGHT

86 lb

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.

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



DATE

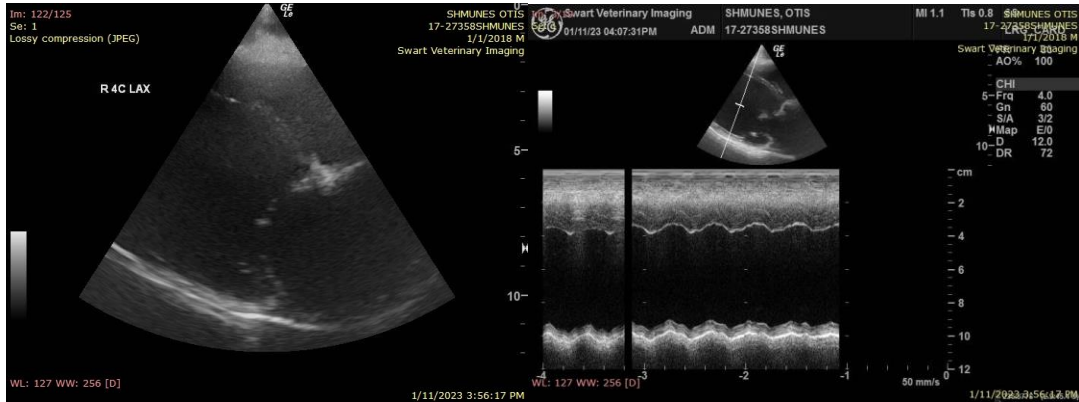
1/11/23

PERFORMED BY:

Dr. Meredith Swart

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

Otis Shmunes

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

Doberman Pinscher

SEX

MN

AGE

5 y

WEIGHT

86 lb

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart