



PATIENT PRESENTING CLINICAL SIGNS

Zeus Benson History: Wheezing, increased respiratory effort, 3/6 murmur, arrhythmia, UTI
Medication: Lasix, IVF, Baytril, Ampicillin

SPECIES

Feline

ECHOCARDIOGRAPHIC FINDINGS
2D, M-mode, and Doppler study.

BREED

Domestic Shorthair

There is mild left atrial dilation. The mitral valve appears normal. There is borderline mild left ventricular hypertrophy. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. 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 are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

SEX

Neutered Male

LA/Ao - 164
IVSd - 5.9 mm
LVPWd - 5.8 mm
LVIDd - 12.2 mm
LVIDs - 6.5 mm
FS - 46.7%
LVOT - 0.95 m/s
RVOT - 0.96 m/s

AGE

10 years

WEIGHT

10.9 Pounds

ASSESSMENT/RECOMMENDATIONS

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

This examination demonstrates mild dilation of Zeus' left atrium, as well as borderline mild hypertrophy of his left ventricle. Given the presence of borderline hypertrophy, it's possible that Zeus could be suffering from hypertrophic cardiomyopathy (HCM), though consideration should also be given to the presence of a restrictive cardiomyopathy (RCM) and cardiac thyrotoxicosis. While Zeus' radiographs appear to show a bronchiole, rather than interstitial, infiltrate, the presence of mild left atrial dilation indicates that congestive heart failure should be considered as a possible cause of the infiltrate.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

A T4 level is recommended. An ECG is recommended if an arrhythmia is suspected.

HOSPITAL NAME

Maple Hills VH

Given the presence of mild left atrial dilation, a continued trial with furosemide (lowest effective dose given the presence of azotemia) appears to be warranted, though if no improvement is seen in 24-48 hours, consideration should be given to bronchopneumonia or other lower airway disease as a possible cause of Zeus' wheezing.

REFERRING VET

Dr. Eckman

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

INVOICE

1156

DATE

1.10.2022



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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.

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)
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