



PRESENTING CLINICAL SIGNS

DATE History: Presented for respiratory distress. Grade 3-4/6 murmur, pulmonary crackles, hypothermia. Radiographs showed cardiomegaly.

4/19/22 **ECHOCARDIOGRAPHIC FINDINGS**
2D, M-mode, and Doppler study.

PERFORMED BY: There is moderate left atrial dilation. The mitral valve appears normal, though mild mitral regurgitation is present. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Kim Liedberg

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT

Prince Cook

SPECIES

Feline

LA/Ao – 2.10
IVSd – 4.3 mm
LVPWd – 4.1 mm
LVIDd – 14.5 mm
LVIDs – 9.2 mm
FS – 36.5%
RA – 9.6 mm
LVOT – 1.08 m/s
RVOT – 1.47 m/s
TR – 2.31 m/s

ELECTROCARDIOGRAPHIC FINDINGS

A single lead ECG is submitted for review.

BREED

Maine Coon

HR: 176 bpm
Rhythm: Sinus with a VPC

The underlying rhythm is sinus in origin. All complex amplitudes and intervals are within normal limits. A single VPC is present. No atrial ectopy or conduction blocks are seen.

SEX

MN

RADIOGRAPHIC FINDINGS

Three-view thoracic radiographs are submitted for review.

AGE

5 y

There is moderate generalized enlargement of the cardiac silhouette. The pulmonary vessels are within normal limits. There is a diffuse pulmonary interstitial infiltrate. The pleural space is within normal limits. The trachea is normal. The remainder of the thorax is unremarkable.

ASSESSMENT/RECOMMENDATIONS

WEIGHT

8.6 lb

This examination demonstrates moderate dilation of Prince's left atrium, with differentials for this finding including a restrictive cardiomyopathy (RCM), atrial myopathy, and, much less likely, cardiac thyrotoxicosis. Given the presence of moderate dilation, it's likely that Prince's respiratory distress is due to the development of congestive heart failure (CHF), especially considering that his radiographs show an infiltrate that is consistent with cardiogenic pulmonary edema. In addition to CHF, Prince is at risk for cardiac thrombus formation with secondary thromboembolic disease, as well as arrhythmia formation, therefore, careful monitoring for the development of clinical signs associated with these conditions (ex. collapse, dragging limbs) is recommended.

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

Dr. Dolan

A single VPC is seen in Prince's ECG.



A T4 level is recommended.

DATE

4/19/22

Recommended therapy based on these exams includes furosemide (5 mg BID, more frequent dosing may be needed initially), enalapril (1.25 mg BID), and clopidogrel (18.75 mg SID). Continued oxygen supplementation may be warranted based on the degree of respiratory difficulty present.

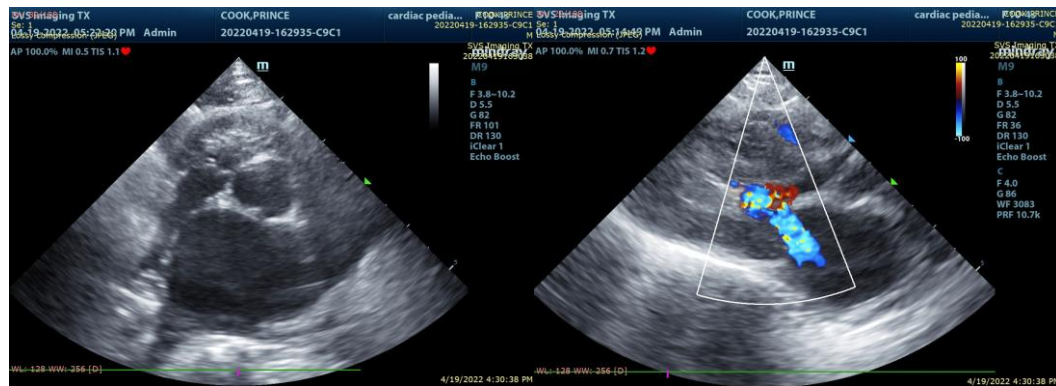
PERFORMED BY:

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Recheck radiographs and a renal/electrolyte profile are recommended in 3-5 days. A recheck echocardiogram is recommended in 6 months.

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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.

SEX

Keith Blass, DVM, MS, DACVIM (Cardiology)

MN

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