


**PRESENTING CLINICAL SIGNS**

**DATE** History: Murmur. Receiving pimobnedan 1.875 mg BID and benazepril 5 mg SID. Coughing. Receiving cough suppressant. History of hypothyroidism and Cushing's disease. Radiographs show marked cardiomegaly, mild pulmonary edema.

4/11/22

**ECHOCARDIOGRAPHIC FINDINGS**

**PERFORMED BY:** 2D, M-mode, and Doppler study.

**Dr. Meredith Swart** There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is severe left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. TR velocity is consistent with the presence of mild pulmonary hypertension (PG 40 mmHg). The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT** LA - 32.5 mm  
LVIDd - 35.3 mm  
LVIDs - 17.9 mm  
FS - 49.3%

Coco Cruz

**SPECIES** RA - 21.1 mm  
LVOT - 1.08 m/s  
RVOT - 0.67 m/s  
TR - 3.17 m/s

Canine **ASSESSMENT/RECOMMENDATIONS**  
Degenerative mitral and tricuspid valve disease  
Pulmonary hypertension

**BREED** This examination demonstrates regurgitation of blood across Coco's mitral and tricuspid valves resulting from degenerative valve disease. Coco's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Coco has moderate secondary dilation of her left atrium and severe dilation of her left ventricle, as well as mild secondary pulmonary hypertension. Given the severity of her disease, it's certainly possible that mainstem bronchial compression could be contributing to Coco's cough, and it would come as no surprise if mild pulmonary edema was indeed present in her radiographs.

Poodle Mix

**SEX**

FS

**AGE** Coco's current medications are appropriate based on this exam, though I recommend dividing her benazepril dose to 2.5 mg BID. I also recommend starting Coco on furosemide (5-10 mg BID), as this medication should resolve any pulmonary edema that may be present, as well as improve any cardiogenic component of her cough. No therapy is recommended for Coco's pulmonary hypertension at this time.

14 y

**WEIGHT** A renal/electrolyte profile +/- recheck radiographs are recommended in 1 week. A recheck echocardiogram is recommended in 6 months.

10.5 lb

**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



DATE

4/11/22

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

Coco Cruz

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)  
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631-804-5754

BREED

Poodle Mix

SEX

FS

AGE

14 y

WEIGHT

10.5 lb

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