



PRESENTING CLINICAL SIGNS

DATE History: Grade 1-2/6 murmur. Pre-anesthetic evaluation (dental).

12/14/21

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Pamela Harrigan,
RDCS

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened and exhibit mild systolic prolapse. A mild to moderate jet of mitral regurgitation is present. Left ventricular 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 leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

LA - 25.6 mm
LVIDd - 25.2 mm
LVIDs - 15.9 mm
FS - 36.9%
RA - 21.4 mm
LVOT - 1.19 m/s
RVOT - 0.61 m/s
TR - 2.66 m/s

PATIENT

Cosmo Table

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease

BREED

Papillon

This examination demonstrates regurgitation of blood across Cosmo's mitral and tricuspid valves resulting from degenerative valve disease. Cosmo's tricuspid valve disease is mild, and is well-compensated at this time. His mitral valve disease is slightly more advanced, as Cosmo has mild to moderate mitral regurgitation present, however, he does not have secondary dilation of either his left atrium or left ventricle. Given the absence of left heart chamber dilation, Cosmo's mitral valve disease appears to be well-compensated, and his current risk for the development of clinical signs secondary to it, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be low.

SEX

MN

AGE

13 y

Cosmo's cardiovascular risk for general anesthesia is only mildly increased based on this exam, though I still recommend avoiding the use of alpha-2 agonists in the anesthetic protocol and reducing the IV fluid rate by 25% as precautions.

No therapy is recommended at this stage of Cosmo's valvular diseases.

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

WEIGHT

17.5 lb

HOSPITAL NAME

VCA Palmer AH

REFERRING VET

Dr. Chow



DATE

12/14/21

PERFORMED BY:

Pamela Harrigan,
RDMS

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT

Cosmo Table

SPECIES

Canine

BREED

Papillon

SEX

MN

AGE

13 y

WEIGHT

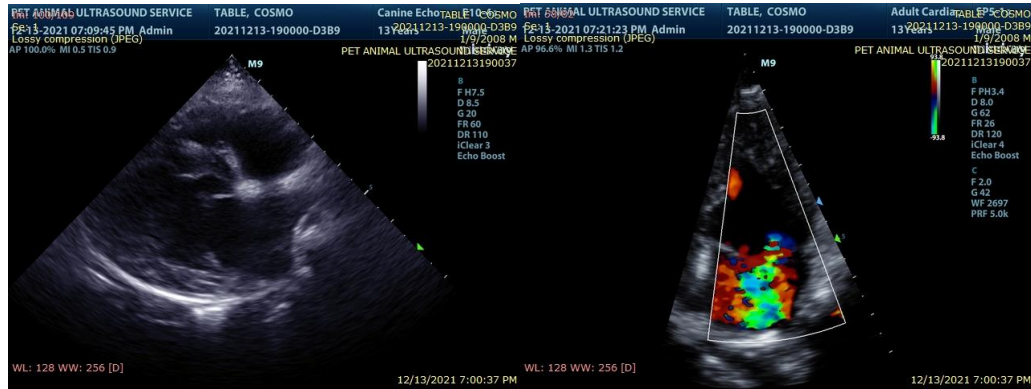
17.5 lb

HOSPITAL NAME

VCA Palmer AH

REFERRING VET

Dr. Chow



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)

KeithBlass@gmail.com

631-804-5754