


PRESENTING CLINICAL SIGNS

DATE History: Grade 4/6 murmur heard bilaterally. Has congestion, snoring when breathing, and an abdominal component. Sensitivity on tracheal palpation. HW negative. Radiographs pending.

12/14/21

ECHOCARDIOGRAPHIC FINDINGS

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

Dr. Ferrer

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

There is very mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A mild to moderate jet of mitral regurgitation is present. There is borderline mild left ventricular dilation. Left ventricular systolic function is mildly hyperdynamic. 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 is consistent with the presence of mild pulmonary hypertension (PG 36 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

PATIENT

ECG during echo: Sinus rhythm

Salvador Dali Cruz
Duran

LA - 27.9 mm
LVIDd - 26.5 mm
LVIDs - 14.6 mm
FS - 44.9%

SPECIES

RA - 17.7 mm
LVOT - 1.19 m/s
RVOT - 0.78 m/s
TR - 3.00 m/s

Canine

BREED

ASSESSMENT/RECOMMENDATIONS

Shih Tzu

Degenerative mitral and tricuspid valve disease
Pulmonary hypertension

SEX

This examination demonstrates regurgitation of blood across Salvador Dali's mitral and tricuspid valves resulting from degenerative valve disease. Salvador's tricuspid valve disease is mild, and is well-compensated at this time. His mitral valve disease is slightly more advanced, as Salvador has mild to moderate mitral regurgitation present, with very mild secondary dilation of his left atrium and borderline mild dilation of his left ventricle. While I haven't seen Salvador's radiographs, the absence of more significant cardiac changes suggests that his mitral valve disease is well-compensated, and is unlikely to be the cause of Salvador's current clinical signs.

MI

AGE

16 y

Salvador's TR velocity is consistent with the presence of mild pulmonary hypertension. Mild pulmonary hypertension is well-tolerated in dogs, though careful monitoring for progression is recommended.

WEIGHT

14.8 lb

I recommend starting Salvador on pimobendan (2.5 mg am, 1.25 mg pm), as this medication should help to slow the progression of his mitral valve disease. No other cardiac therapy is recommended, unless radiographs suggest a cardiogenic cause of Salvador's clinical signs. No therapy is recommended for Salvador's pulmonary hypertension at this time.

HOSPITAL NAME

Paseos VC

A recheck echocardiogram is recommended in 6 months.

REFERRING VET

Dr. Ferrer



DATE

12/14/21

PERFORMED BY:

Dr. Ferrer

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)



PATIENT

Salvador Dali Cruz
Duran

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.

SPECIES

Canine

Keith Blass, DVM, MS, DACVIM (Cardiology)
KeithBlass@gmail.com
631-804-5754

BREED

Shih Tzu

SEX

MI

AGE

16 y

WEIGHT

14.8 lb

HOSPITAL NAME

Paseos VC

REFERRING VET

Dr. Ferrer