



PATIENT

Mallard Mays

SPECIES

Canine

BREED

Standard Poodle

SEX

Intact Male

AGE

10 Years 11 Months

WEIGHT

61.6 Pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

AC Madison Mayodan

REFERRING VET

Dr. Flanagan

INVOICE

35416

DATE

1/15/26

PRESENTING CLINICAL SIGNS

History: P presented for echo due to progressive ataxia and weakness. Also, arrhythmia with numerous VPC's found at last visit. P is being transferred to Neurology for suspected Disc Associated Wobblers. Echo to assess heart for MRI anesthesia.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	NM	NM	0.83	1.33	39.72	--	--
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	152	1.68	1.11	28	4.24	3.65	2.2

ECG Interpretation

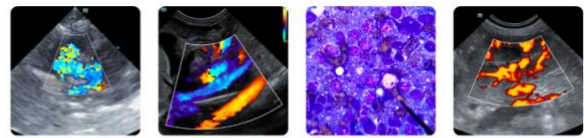
Normal sinus rhythm

Cardiac Presentation

The mitral valve leaflets are mildly thickened with mild mitral regurgitation posteriorly directed. There is no prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size with mild tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Mild degenerative valve disease, ACVIIM stage B-1



PATIENT

Mallard Mays

SPECIES

Canine

BREED

Standard Poodle

SEX

Intact Male

AGE

10 Years 11 Months

WEIGHT

61.6 Pounds

INTERPRETED BY

Sara Brethel DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Kathleen Byrnes

HOSPITAL NAME

AC Madison Mayodan

REFERRING VET

Dr. Flanagan

INVOICE

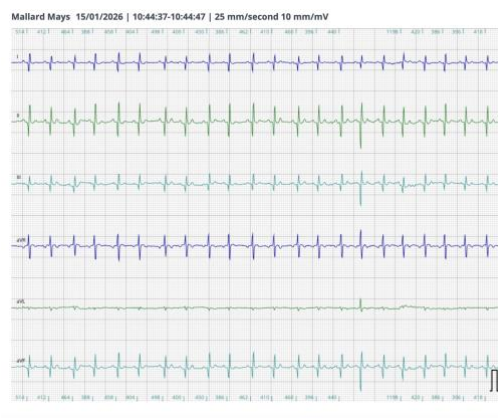
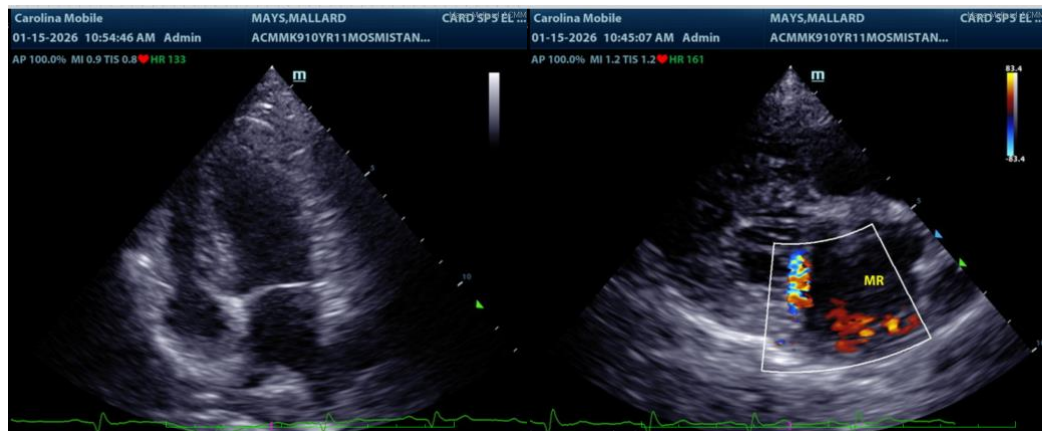
35416

DATE

1/15/26

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has mild degenerative valve disease with normal left atrial size. An arrhythmia is not identified during this evaluation and a cause for the patient's clinical signs is not identified based upon the images and ECG provided. Recommend continued investigation due to the mild degenerative changes. Standard perioperative fluid rates should be well-tolerated. Medications like dexmedetomidine and other alpha 2 agonists are best avoided. Ketamine is also best avoided. Anticholinergics can be used in the case of a clinically significant bradyarrhythmia (i.e., bradycardia with concurrent hypotension). If the patient is on an ACEi, recommend not giving this therapy the day of anesthesia. If arrhythmia persists, a Holter monitor is recommended. Recheck echo is recommended in 10-12 months.



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Sara Brethel DVM, DACVIM (Cardiology)



PATIENT

info@SonoPath.com

Mallard Mays

SPECIES

Canine

BREED

Standard Poodle

SEX

Intact Male

AGE

10 Years 11 Months

WEIGHT

61.6 Pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Kathleen Byrnes

HOSPITAL NAME

AC Madison Mayodan

REFERRING VET

Dr. Flanagan

INVOICE

35416

DATE

1/15/26