



PATIENT

Waffles Hughes

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

Female Spayed

AGE

12 years

WEIGHT

23.5lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Westwood Regional
Vet Hospital

REFERRING VET

Dr. Hartwick

INVOICE

24269

DATE

5/18/22

PRESENTING CLINICAL SIGNS

History: Recheck echo.

-Current medications: Pimobendan 2.5 x 1 1/4 BID, Lasix 12.5 PO am and 1/2 tab pm, spironolactone 25mgs 1/2 BID, benazepril 10mg x 1/2 BID. Lasix was decreased from 12.5 BID to 12.5 am and 1/2 12.5 pm.

-Abnormal PE/Chem/CBC/UA Results: BUN 52, creat. 1.9.

-Pertinent previous echo findings (4/27/22 EL): LA/AO: 2.0, FS: 39%, LV: 3.66

ECHOCARDIOGRAM FINDINGS

2D, m-mode and Doppler imaging are available. Diffuse thickening of mitral valve leaflets (anterior > posterior) with mild prolapse into the left atrial lumen. Severe eccentric mitral regurgitation with severe left atrial dilation. Mild LV dilation with adequate myocardial function. The tricuspid valve appears mildly thickened, with mild tricuspid regurgitation. Normal right heart. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities. No pulmonic or aortic insufficiency. No pericardial or pleural effusion noted. No cardiac tumors observed.

CARDIAC CHART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.4	NM	1.6	2.0	41	74	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	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	BELOW	BELOW	BELOW	BELOW
PATIENT	115	1.4	0.86	10.7	2.9	3.0	1.8
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chronic degenerative valve disease persists with severe mitral and mild tricuspid regurgitation. Compared to what is noted on the prior study, findings are similar. Severe left atrial enlargement persists, indicating the risk for spontaneous congestive heart failure is elevated. No additional issues such as systolic dysfunction are identified.



PATIENT

Waffles Hughes

SPECIES

Canine

BREED

Bichon Frise Mix

SEX

Female Spayed

AGE

12 years

WEIGHT

23.5lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Westwood Regional
Vet Hospital

REFERRING VET

Dr. Hartwick

INVOICE

24269

DATE

5/18/22

Assuming the situation stabilized on Lasix, continuing at the lower dose is recommended (no recent history provided). No obvious changes are necessary; however, the patient is azotemic and close monitoring of renal values is advised. Hydrocodone can be utilized if needed for quality of life. Monitoring of sleeping breathing rates in the future will be paramount to determine the origin of any future cough. The average survival of canine patients with active pulmonary edema is 8-9 months on medications, however they generally are able to maintain a good quality of life for that period. Patient will always be at risk for recurrent CHF, development of arrhythmias/LA tear, syncope and/or sudden death in the future. Monitoring of renal values is recommended lifelong.

Omega fatty acid supplementation and mild salt restriction may also be of some long-term benefit. Monitor for development of a worsening cough, labored breathing, exercise intolerance or collapse episodes.

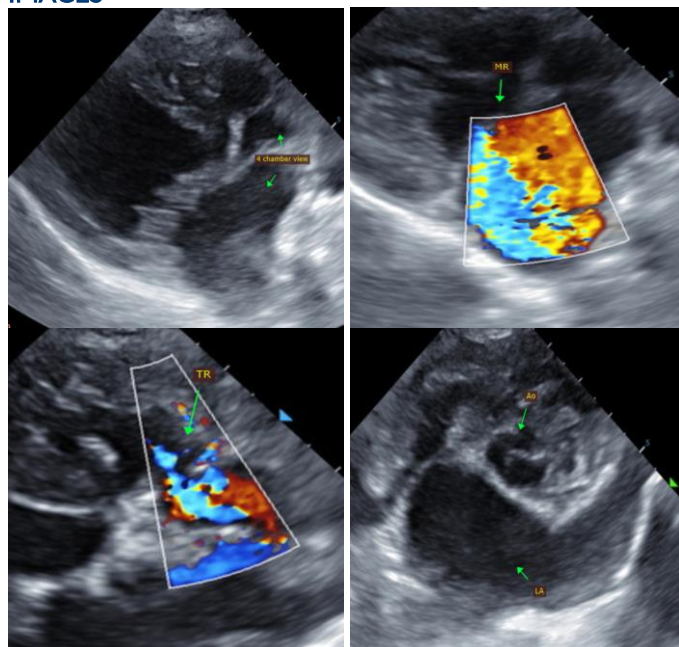
PLAN

Continue Pimobendan, Lasix, Spironolactone and Benazepril as prescribed.

Monitor renal values and BP every 3-4 months lifelong.

A recheck echocardiogram is recommended in 6 months to screen for progression, sooner if clinical signs arise/persist.

IMAGES





PATIENT

Waffles Hughes

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.

SPECIES

Canine

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

BREED

Bichon Frise Mix

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

SEX

Female Spayed

AGE

12 years

WEIGHT

23.5lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

**IMAGING
PERFORMED BY**

Kelly Vazquez, CVT

HOSPITAL NAME

Westwood Regional
Vet Hospital

REFERRING VET

Dr. Hartwick

INVOICE

24269

DATE

5/18/22