



## PATIENT

Rennie Frenchie  
Bulldog Nationwide  
Rescue

## SPECIES

Canine

## BREED

French Bulldog

## SEX

Female

## AGE

3 years

## WEIGHT

23 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Jonathan Moss

## HOSPITAL NAME

Harvest Hills VH

## REFERRING VET

Dr. Moss

## INVOICE

74482

## DATE

4/15/26

## PRESENTING CLINICAL SIGNS

History: pt has been treated for heartworms at my hospital. rescue was concerned about anesthesia so I offered to scan her heart prior to her OVH

Previously treated for heartworms. 2nd and 3rd injection were Jan 14 and 15th

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. Minor **tricuspid** insufficiency was noted and measured 1.5 m/sec. Slight **right ventricular** hypertrophy was noted with minor **pulmonary** artery dilation. There was no evidence of macroscopic heartworm noted. There was no **pericardial** or free pleura effusion noted.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NM	NM	1.3	1.3	40	90	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	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	90	NM	NM	23 lbs	2.7 max	2.5	

## ULTRASONOGRAPHIC FINDINGS

Prominent right heart. Cor pulmonale type presentation, largely a breed variant.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of structural disease or heartworm.



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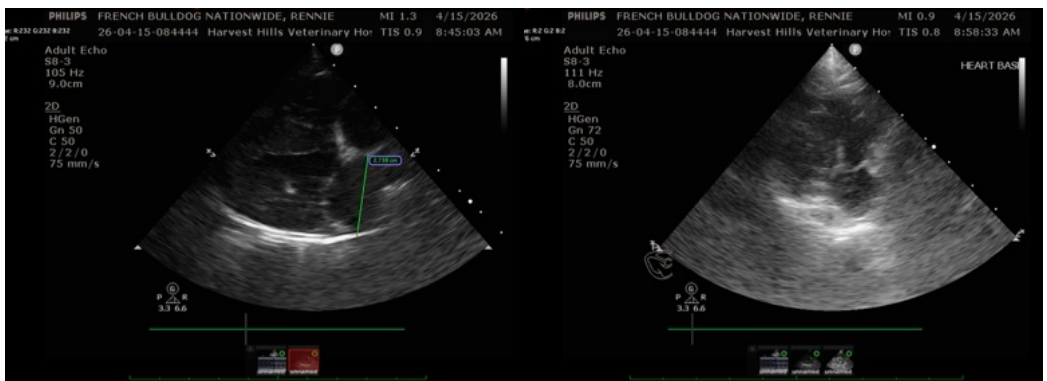
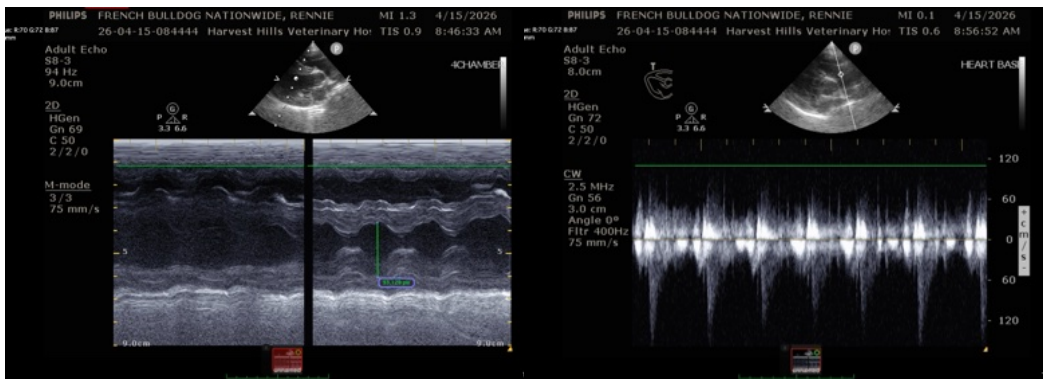
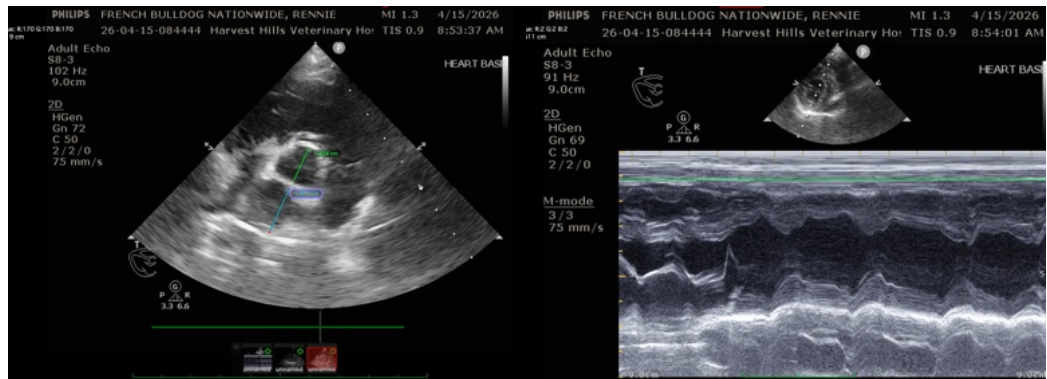
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

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