



PATIENT

Jasmine Hayes

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

10 Years 8 Months

WEIGHT

37.8 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Shari Reffi CVT

HOSPITAL NAME

Heart & Paw Lake
Hopatcong

REFERRING VET

Dr. Caitlin Verhalen

INVOICE

16080

DATE

05/11/26

PRESENTING CLINICAL SIGNS

Rule out cardiac issues, no murmur auscultated. Hx of some coughing episodes after drinking water. Current Medications: Cytopoint inj (q1-2m); Movoflex; Ursolyx; Carprofen 75mg daily; Eyedrops

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	5.0	2.0	1.1	1.5	26	56	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (lbs)	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	183	1.9	1.1	37.8	3.0	2.8	--

E-wave Velocity: 0.8

Cardiac Presentation

The echocardiogram presented a prominent **right heart** with mild **right ventricular** hypertrophy. Minor **tricuspid** regurgitation was evident with a 1:1 **right atrial** size to the left atrium which would indicate right sided enlargement, however, no flattening of the left ventricular septum was present. No evidence of neoplasia was noted in the right auricle, or elsewhere in the heart. The **pulmonary artery** was uniformly prominent. No overt heartworms were noted in the main or visible deep pulmonary arteries. Yet theoretically heartworms could be present in the deep pulmonary vasculature out of visible sonographic range. More likely, however, this prominent right heart is due to excessive intra-thoracic pressures caused by respiratory disease or other causes of increased thoracic vascular pressure. The **left heart** demonstrated a linear **ventricular septum**. Contractility was functionally adequate demonstrated by the FS% measurement. The **mitral valve** revealed trivial centralized mitral insufficiency, yet no significant **left atrial** dilation was evident. The **left ventricular outflow** demonstrated normal flow patterns and velocities through the aortic valve. No evidence of tumor, pericardial or pleural effusion was noted. The visible **extra-cardiac** tissues were uniformly linear without evidence of masses, infiltrative or inflammatory mediastinal tissue. No evident arrhythmic activity was noted during the exam.

ULTRASONOGRAPHIC FINDINGS

- Mild cor pulmonale presentation or likely conformational prominence of the right heart given the breed- not pathological.
- Trivial mitral insufficiency stage B1 valvular disease.



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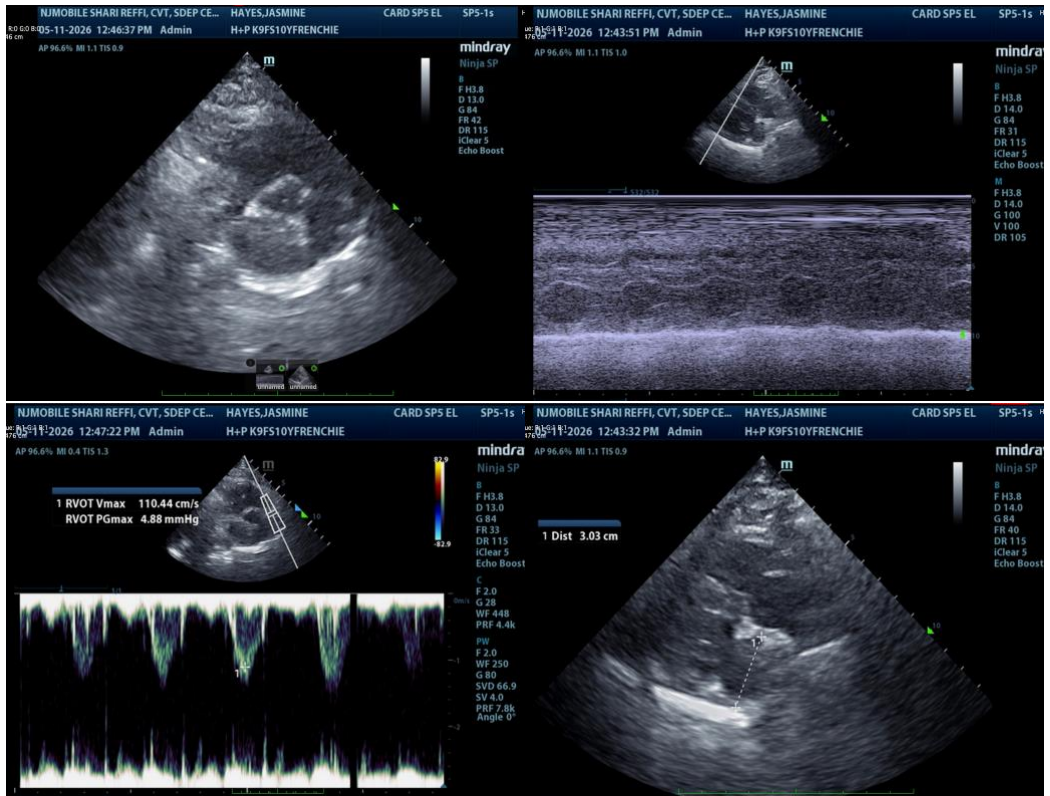
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflor maintenance or similar protocol if anesthesia is desired. Blood pressure, EKG and chest radiographs are recommended if not already performed. Target white coat negative systolic pressure of < 160 mmHg. If higher than this ACE-inhibitor is suggested to reach this level. Recheck echocardiogram is recommended in 6-12 months, earlier if murmur grade increases or clinical signs initiate.

No evidence of clinical cardiac disease in this patient.





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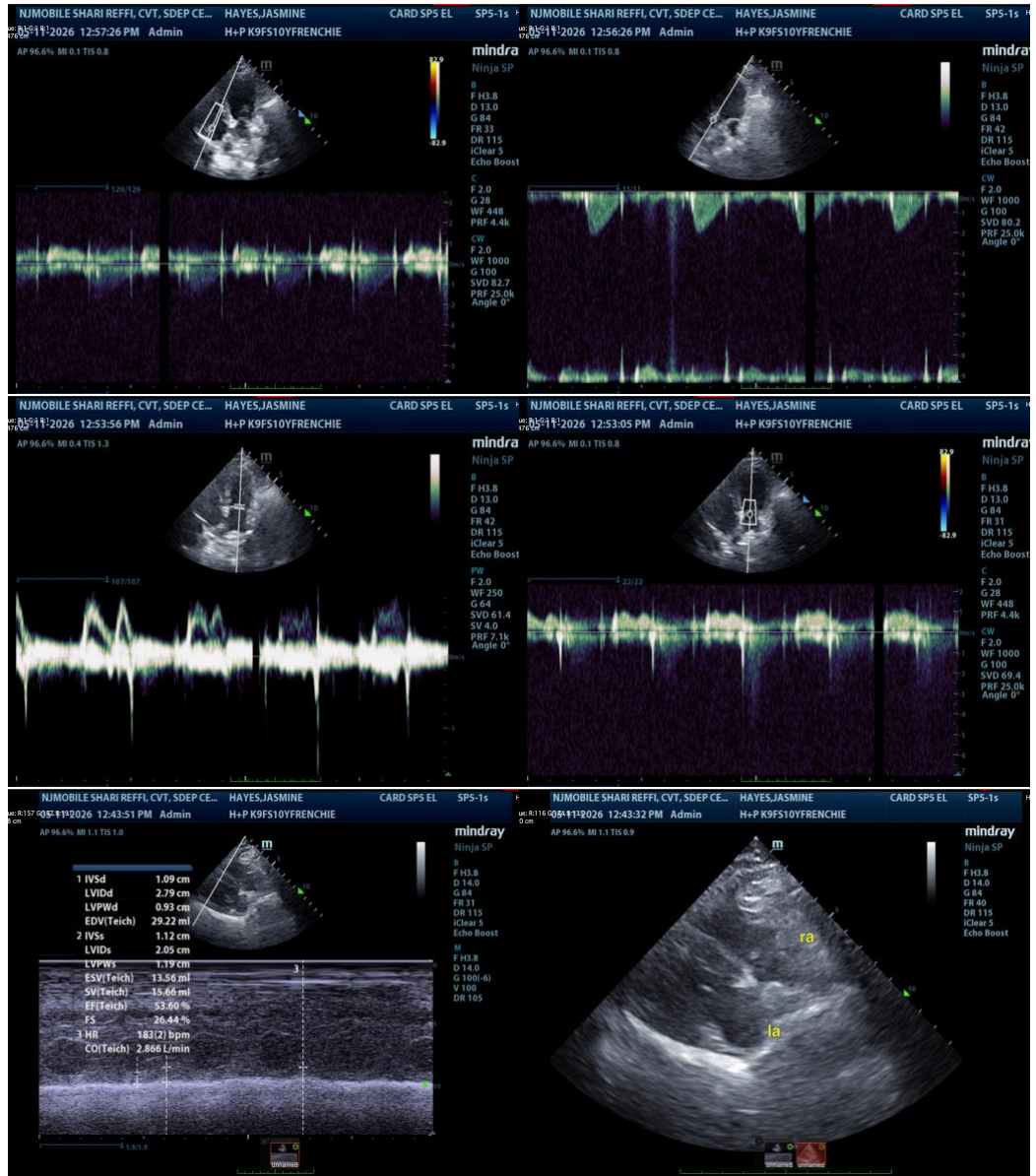
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Owner, Founder -- SonoPath.com

info@SonoPath.com



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