



PATIENT PRESENTING CLINICAL SIGNS

Bella Stevens

History: Chronic bronchitis, assumed long soft palate no murmur or arrhythmia increasing bronchial pattern on serial rads, rounded heart silhouette on dexamethasone/azithromycin
Abnormal PE/Chem/CBC/UA Results: none reported

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

French Bulldog

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. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window. Periodic tachyarrhythmia was noted in this patient.

SEX

Female

AGE

7 years

WEIGHT

22 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Newell

HOSPITAL NAME

Simplisound

REFERRING VET

Dr. Newell/Dr.
VanHorn

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT			1.15	1.5	35	66	0.23
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)		2D short axis Base view (cm)	Avg; 2D and m- mode short axis (cm)	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	Variable 120-140	1.25	1.2	22 lbs	2.6	3.07	

INVOICE

76286

DATE

7/27/23



PATIENT

Bella Stevens

ULTRASONOGRAPHIC FINDINGS

Normal echocardiogram. No evidence of volume overload.

SPECIES

Tachyarrhythmia.

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

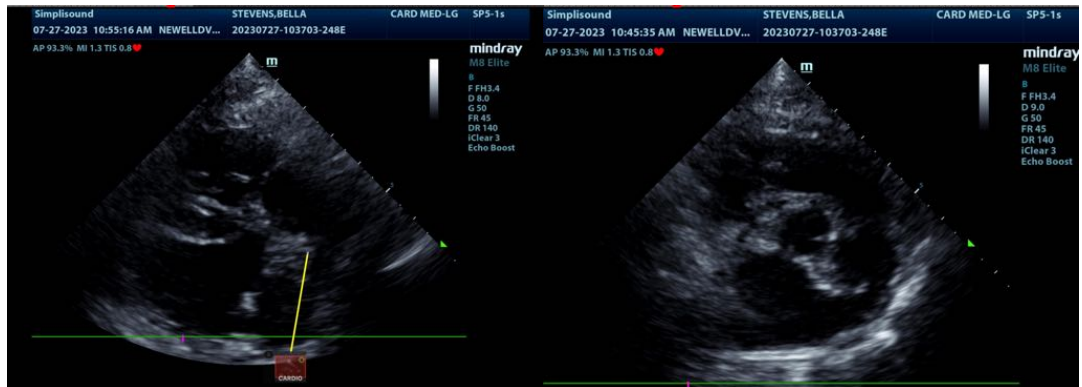
BREED

French Bulldog

There is no evidence of cardiac pathology. The rounded heart may be explained by confirmational variant for the species or possibly radiograph taken during diastole. Functionally and functionally the heart is normal other than periodic potential arrhythmia. EKG is recommended. Otherwise, no further cardiac investigation is necessary.

SEX

Female



AGE

7 years

WEIGHT

22 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Dr. Newell

HOSPITAL NAME

Simplisound

REFERRING VET

Dr. Newell/Dr.
VanHorn

INVOICE

76286

DATE

7/27/23



PATIENT

Bella Stevens

SPECIES

Canine

BREED

French Bulldog

SEX

Female

AGE

7 years

WEIGHT

22 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Newell

HOSPITAL NAME

Simplisound

REFERRING VET

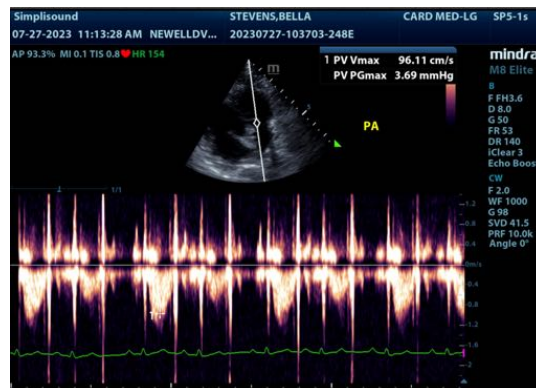
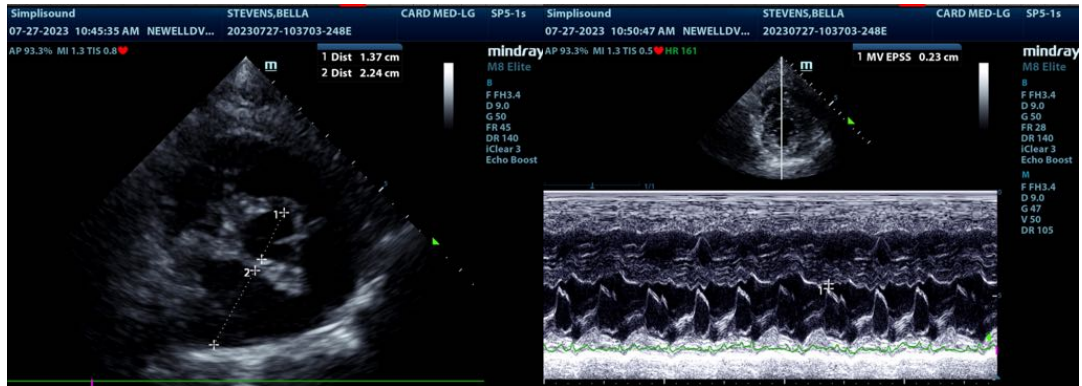
Dr. Newell/Dr.
VanHorn

INVOICE

76286

DATE

7/27/23



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, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com