



PATIENT PRESENTING CLINICAL SIGNS

Chase Coddington History: Coughing, vomiting
Medication: Temaril P

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE HEART AND THORAX

BREED

Shiba

SEX

Neutered Male

AGE

14 years

WEIGHT

34.3 Pounds

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP
(Canine and Feline)

CANINE	MR	TR	LA/AO	LA/AO	FS	EF	EPSS
CARDIAC PARAMETERS	VMAX (m/s)	VMAX (m/s)	(Boon method)	(Heart Base; Swe)	(%)	(%)	(cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			--	1.38	38.5	72.1	0.21
CANINE	HR	AV	PV	BODY WEIGHT	LA	LVIDd	LVIDs
CARDIAC PARAMETERS	(BPM)	VMAX (m/s)	MAX (m/s)	(kg)	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	NM	NM	NM		3.0	2.6	

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Maple Hills VH

REFERRING VET

Dr. Banzhof

INVOICE

13088

DATE

1.18.2022

Cardiac Presentation

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 subjective normal 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. No visible **pericardial** or free pleura fluid was noted. Suspect pericardial fat with potential for possible focal mild consolidated lung adjacent to the right ventricle was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of overt masses in the visible window.



PATIENT

Chase Coddington

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Normal echocardiogram
- Suspect pericardial fat, possible focal mild consolidated lung adjacent to the right heart

SPECIES

Canine

BREED

Shiba

SEX

Neutered Male

AGE

14 years

WEIGHT

34.3 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function without evidence of systolic dysfunction or left or right heart chamber enlargement indicate that the coughing in this patient is noncardiogenic in origin. The potential for nonobvious pulmonary hypertension is considered unlikely, given normal right atrium / right ventricle size, as well as overtly normal pulmonary artery. Suspected pericardial fat possibly resulting in pericardial radiographic opacity was noted. The potential for focal consolidated lung adjacent to the right heart is possible, although not definitive.

Based on provided radiographs, suspected potential for hypoplastic trachea may be a primary underlying etiology for the coughing in this patient. No indication for cardiac medications was evident. Concurrent lower airway or pulmonary disease may be possible. Continued respiratory support is recommended.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Maple Hills VH

REFERRING VET

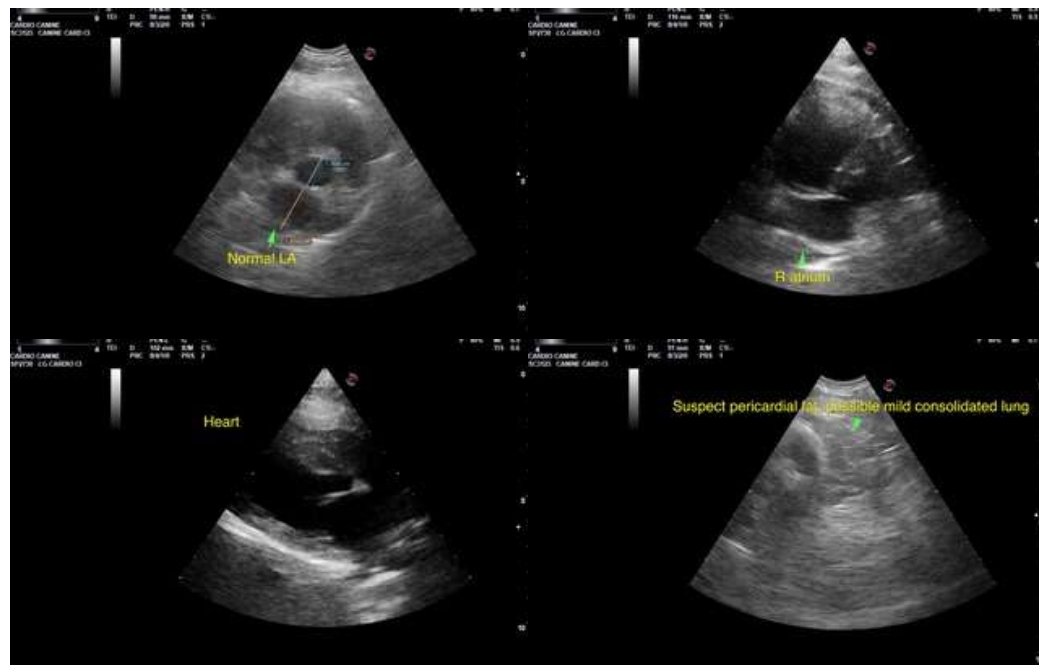
Dr. Banzhof

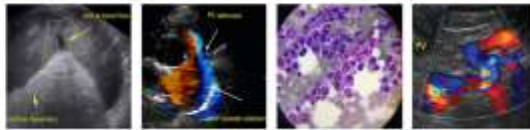
INVOICE

13088

DATE

1.18.2022





PATIENT

Chase Coddington

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. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

BREED

Shiba

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

SEX

Neutered Male

AGE

14 years

WEIGHT

34.3 Pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

**IMAGING
PERFORMED BY**

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Maple Hills VH

REFERRING VET

Dr. Banzhof

INVOICE

13088

DATE

1.18.2022