



PATIENT PRESENTING CLINICAL SIGNS

Frankie Cole

SPECIES

Feline

BREED

Ragdoll

SEX

Neutered Male

AGE

13 Years 11 Months

WEIGHT

11.58 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Holly Harris, LVT

HOSPITAL NAME

All Pets Medical

REFERRING VET

Dr. Agnes Rupley

INVOICE

40885

DATE

8/30/22

ALSO SUBMITTED RADIOGRAPHS OF THORAX FOR INTERPRETATION. PRESENTED FOR: Semi-annual exam and testing REPORTED SYMPTOM: Behavior changes. VITALS: 1158 pounds Temperature: 102.1 Heart Rate: 174 bpm nervous Respiratory Rate: 60 bpm nervous Mucous Membrane Color: pink Capillary Refill Time: <2 CURRENT MEDICATIONS: Advantage Multi HISTORY: Frankie has a history of hypertrophic cardiomyopathy BASED ON PREVIOUS ECHOS READ BY SONOPATH. EXAM FINDINGS: Frankie lost 058 pounds since 4/5/22. Body score of 6/9. No change in appetite or amount eating. NEW Grade IV/VI apical ventral thoracic heart murmur. Echocardiogram and Thyroid testing recommended. Blood pressure 105 systolic, 88 diastolic, and MAP 94. Dental disease Senior abdominal ultrasound revealed enlarged mesenteric lymph nodes. Ultrasound guided aspirate of the mesenteric lymph nodes was performed. Slides were sent to an oncologist for further evaluation. LAB RESULTS: CBC results reveal a mild lymphopenia. Chemistry panel reveals a slightly low phosphorus. Urinalysis results reveal uro 2, protein 15, pH 65, and Specific Gravity: 1.027. T4 is pending. ASSESSMENT AND PLAN: Submit T4. Echocardiogram Evaluation of thoracic radiographs by specialist. Evaluation of cytology of enlarged mesenteric lymph nodes by an oncologist.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT		NM	0.4	1.4	0.4	45	--
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7		<1.6	<1.3	40-60
PATIENT	1.3	1.2	1.26		--	0.7	NM
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. The cranial and caudal **mitral** valve leaflets presented normal linear structure and kinetics. The **left ventricle** presented minor areas of sectorial hypertrophy noted, yet not measurably significant. **Myocardial** remodeling noted, largely an age related change. **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 and angles 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 or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow,



PATIENT

Frankie Cole

and diameter (approx. 1:1 pa/ao ratio). No visible pericardial or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial mediastinum and pericardial regions were free of masses in the visible window.

SPECIES

Feline

ULTRASONOGRAPHIC FINDINGS

- Geriatric echocardiogram

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Ragdoll

No evidence of significant disease. No treatment recommended.

SEX

Neutered Male

AGE

13 Years 11 Months

WEIGHT

11.58 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Holly Harris, LVT

HOSPITAL NAME

All Pets Medical

REFERRING VET

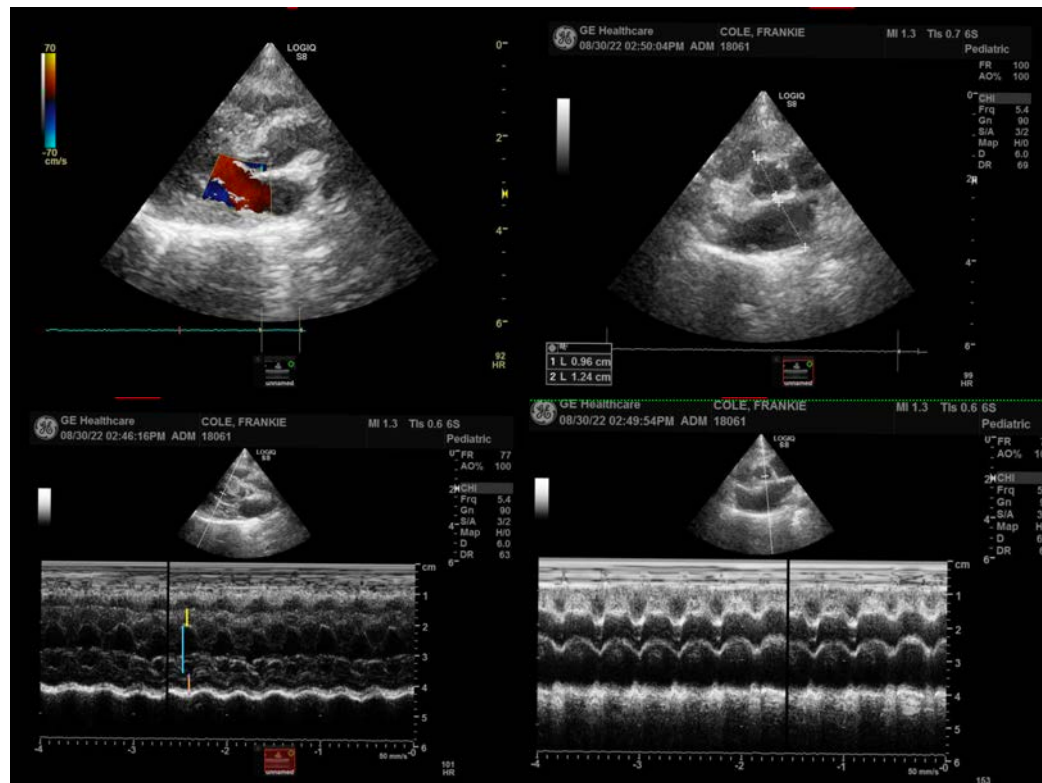
Dr. Agnes Rupley

INVOICE

40885

DATE

8/30/22



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