



PATIENT PRESENTING CLINICAL SIGNS

Cissi Roid History: traveled to Southwest within the last few months, present in Northwest for 3 weeks. Patient has been sick for 2 weeks decreased appetite, peripheral lymphadenopathy, - FNA reactive , no neoplasia, neg nanophytes. Lymphadenopathy dramatically improved after starting Enrofloxacin and Itraconazole 2/1/22 weight loss, melena, peripheral edema- dramatic improvement overnight. cutaneous nodule bridge of nose stiff gait- improved over last 24 hours. Pu/PD febrile hypertensive BP systolic 184/118 map 133, 188/117/map 128, 189/118/map 124

Canine Abnormal PE/Chem/CBC/UA Results: FUO panel and coccidomycosis titer negative trending down RBC, initially slight hemoconcentration, now RBC decreased 27%, decreased Hb, left shift, nonregenerative, microscopic hematuria albumin improved currently, 2.4, was 1.6 improved t bili .3, ALP improved 363 from 562, BUN 26 increased from 14, Cr currently .7, elevated UPC- 1.2 Current Medications Prednisone 10mg BID Baytril 272mg SID , Itraconazole 200 mg SID

Boxer

SEX ULTRASONOGRAPHIC EXAMINATION OF THE HEART

Intact female The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Trivial **mitral** insufficiency was noted. 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. Minor aortic insufficiency was noted. 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.

AGE 3 years

WEIGHT 50.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Sutherland VH

REFERRING VET

Dr. Herrera

DATE

3/2/22

Invoice
96528

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			1.3	1.6	30		0.3
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				
PATIENT		2.0	1.3	50.6 lbs	4.0 max	4.5	



PATIENT **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Cissi Roid **Urinary System**

SPECIES

Canine

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

BREED

Boxer

The iliac trifurcation was unremarkable.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 8.19 cm.

SEX

Intact female

AGE

3 years

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.58 x 0.78 cm at the caudal pole and 0.8 cm at the cranial pole. The right adrenal gland measured 3.19 x 1.84 cm at the cranial pole and 0.64 cm at the caudal pole.

WEIGHT

50.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

IMAGING PERFORMED BY

Sara Hansen

Liver

HOSPITAL NAME

Sutherlin VH

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

REFERRING VET

Dr. Herrera

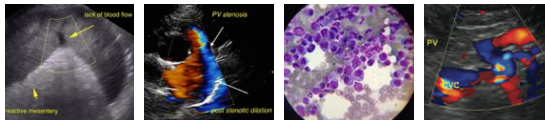
DATE

3/2/22

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine

Invoice
96528



PATIENT demonstrated normal luminal chyme and stool consistency respectively. Soft stool was noted in the colon.
Cissi Roid

SPECIES *Pancreas*

Canine The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Boxer

ULTRASONOGRAPHIC FINDINGS

SEX

Normal echocardiogram with minor aortic insufficiency.

Intact female

Trivial mitral insufficiency.

Structurally unremarkable abdomen, no evidence of pathology.

AGE

3 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of clinical cardiac disease.

WEIGHT

50.6 lbs

The cause of the clinical signs is not evident in the abdomen or heart.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

The radiographs revealed a mild bronchoalveolar pattern with a minor enlargement of the right heart in VD view. This may be owing to primary respiratory disease or image acquisition during diastole but the chamber sizes measure normal on the echocardiogram. The cause for systemic hypertension is not evident. Torbutrol injection with white coat negative environment for BP measurement recommended if not already performed. Systemic disease not related to any specific organ system suspected. Internal medicine consult would be appropriate in this case

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Sutherland VH

For an additional charge an internal medicine consult can be utilized through [Sonopath.com](http://sonopath.com). You can select the internal medicine drop down at <http://spa.sonopath.com/>.

REFERRING VET

Dr. Herrera

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

DATE

3/2/22

Invoice
96528



PATIENT

Cissi Roid

SPECIES

Canine

BREED

Boxer

SEX

Intact female

AGE

3 years

WEIGHT

50.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Sutherlin VH

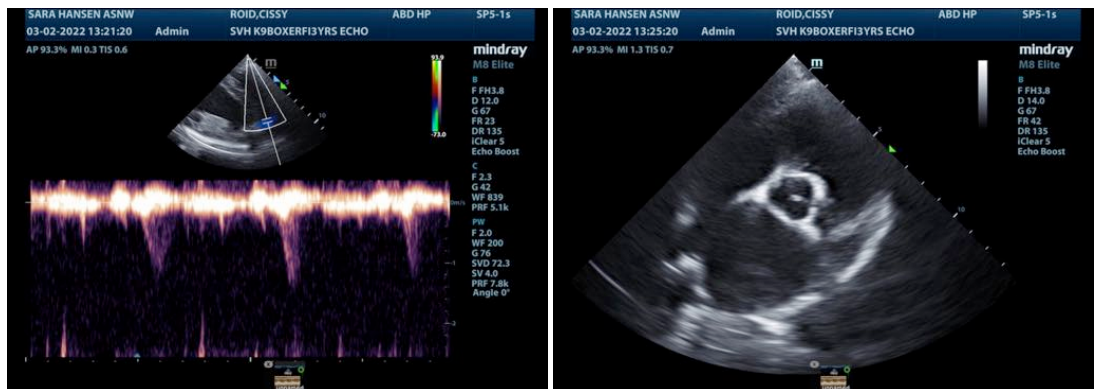
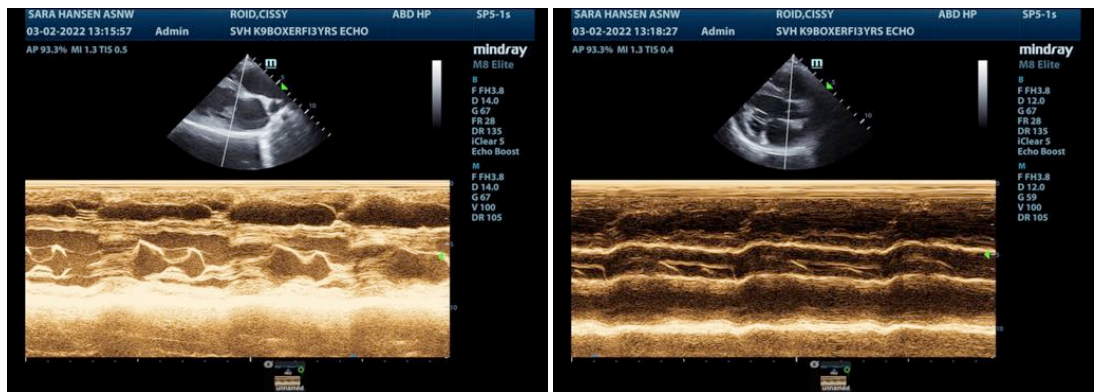
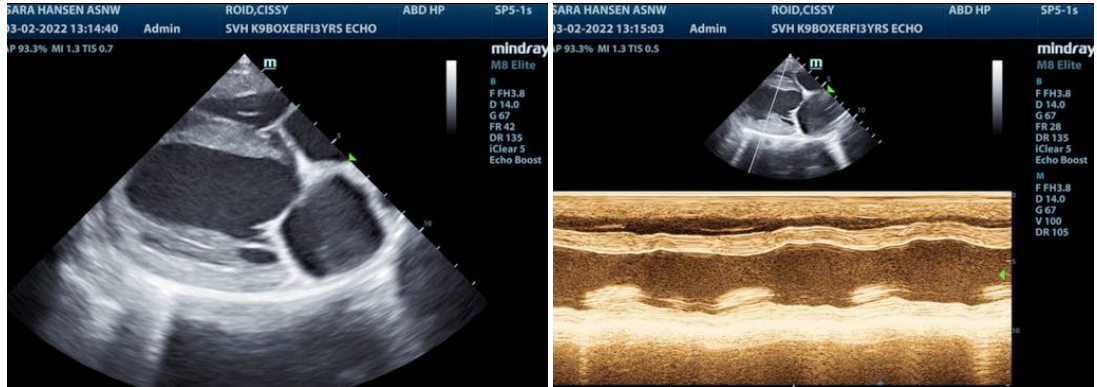
REFERRING VET

Dr. Herrera

DATE

3/2/22

Invoice
96528





PATIENT

Cissi Roid

SPECIES

Canine

BREED

Boxer

SEX

Intact female

AGE

3 years

WEIGHT

50.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Sutherland VH

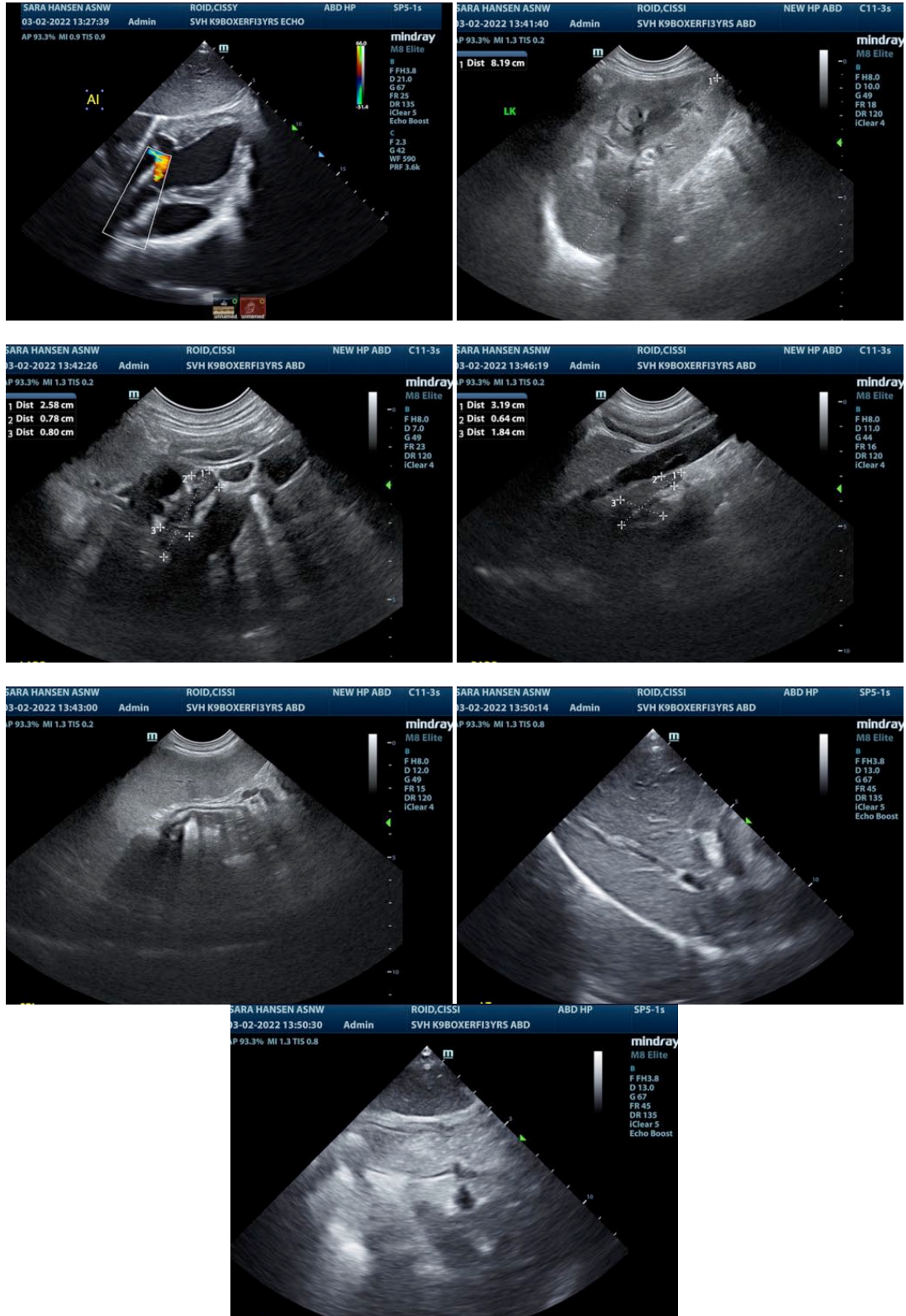
REFERRING VET

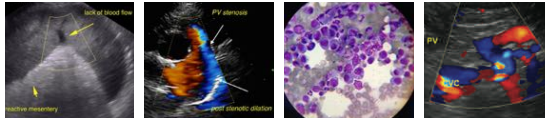
Dr. Herrera

DATE

3/2/22

Invoice
96528





PATIENT

Cissi Roid

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.

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

Boxer

Eric Lindquist, DMV, DABVP, Cert. IVUSS

CEO of Sonopath.com

Eric.Lindquist@SonoPath.com

SEX

Intact female

AGE

3 years

WEIGHT

50.6 lbs

INTERPRETED BY

**Eric Lindquist, DMV,
DABVP, Cert. IVUSS**

**IMAGING
PERFORMED BY**

Sara Hansen

HOSPITAL NAME

Sutherlin VH

REFERRING VET

Dr. Herrera

DATE

3/2/22

Invoice
96528