


PATIENT

Andromeda Stackhouse

SPECIES

Canine

BREED

Great Dane

SEX

Spayed Female

AGE

10 years

WEIGHT

61 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Silver Creek AC

REFERRING VET

Dr. Ceremuga

DATE

11/16/21

Invoice

93137

PRESENTING CLINICAL SIGNS

History: Pt has been lethargic for 2-3 days, increased respiratory rate. In house ultrasound revealed moderate pericardial effusion as well as very mild pleural and abdominal fluid. Therapeutic pericardiocentesis resulted in 150mls of frank blood. Primary Question/Differential to Be Answered in This Exam Differentials include Neoplasia in the heart vs DCM

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient revealed normal left-sided volumes with arrhythmogenic activity. There was a large amount of pericardial effusion noted. Minor trivial mitral insufficiency was noted. The left ventricular free wall revealed myocardial mass that measured 4.0 cm. Aortic and pulmonic outflows were of adequate velocity. A 7.0 x 4.0 cm irregular heart base mass was noted and was adjacent to or deriving from the right auricle and occupied the pericardium. There was some collapse of the right auricle was present owing to tamponade effect from the pericardial effusion. Pleural effusion was also noted.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.1	1.03	35	64	0.5
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA (2D short axis Base view) (cm)	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	108	1.3	0.81	61 kg	5.06 max	5.24	

ULTRASONOGRAPHIC FINDINGS

Myocardial and heart base mass with pericardial and pleural effusion.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Palliative pericardiocentesis could be considered with empirical Doxorubicin or other protocol. The vena cava and hepatic vein dilation was noted with secondary passive congestion. This is likely hemangiosarcoma or other types of neoplasia are possible such as aortic body tumor and round cell neoplasia. Spread into the thorax may be an issue. Pericardiocentesis and cytopsin is recommended to assess for exfoliation of neoplasia can be considered.



PATIENT

Andromeda Stackhouse

SPECIES

Canine

BREED

Great Dane

SEX

Spayed Female

AGE

10 years

WEIGHT

61 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Silver Creek AC

REFERRING VET

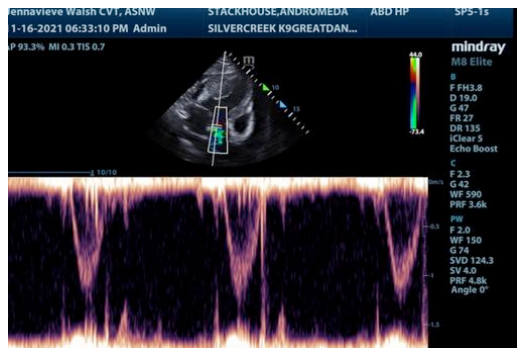
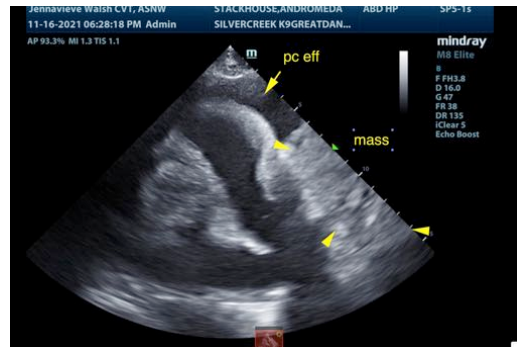
Dr. Ceremuga

DATE

11/16/21

Invoice

93137





PATIENT

Andromeda Stackhouse

SPECIES

Canine

BREED

Great Dane

SEX

Spayed Female

AGE

10 years

WEIGHT

61 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Silver Creek AC

REFERRING VET

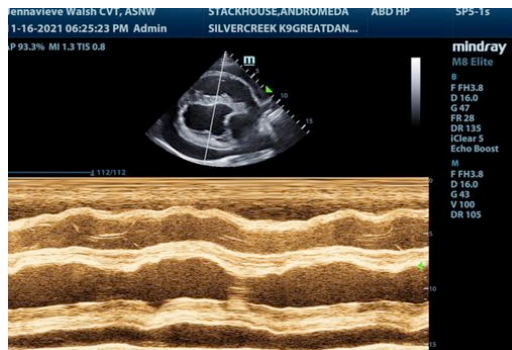
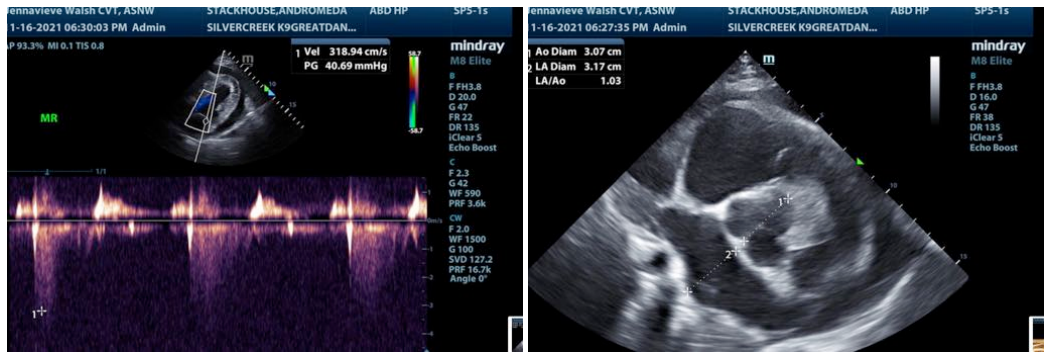
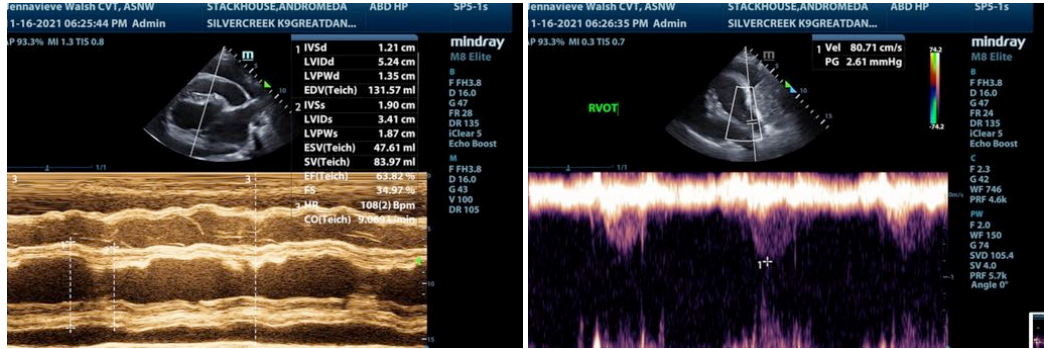
Dr. Ceremuga

DATE

11/16/21

Invoice

93137



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.

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

Eric.Lindquist@SonoPath.com



PATIENT

Andromeda
Stackhouse

SPECIES

Canine

BREED

Great Dane

SEX

Spayed Female

AGE

10 years

WEIGHT

61 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Jenna Walsh, CVT

HOSPITAL NAME

Silver Creek AC

REFERRING VET

Dr. Ceremuga

DATE

11/16/21

Invoice

93137