

RESENTING CLINICAL SIGNS

DATE History: Heartworm positive on SNAP test. No microfilaria seen. No murmur. Pre-anesthetic evaluation (dental).

6/22/22

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The main pulmonary artery and pulmonic valve are normal. Two cross-sections of adult heartworms are seen in the proximal portion of the right main branch pulmonary artery. No pericardial effusion or cardiac masses are seen.

LVIDd - 24.9 mm
LVIDs - 15.2 mm
FS - 39%
LVOT - 1.00 m/s
RVOT - 0.78 m/s

PATIENT

Ivory Grudkinkas

ASSESSMENT/RECOMMENDATIONS

Heartworm disease

SPECIES

Canine

This examination demonstrates the presence of one or more heartworms in Ivory's right main branch pulmonary artery, confirming her SNAP test diagnosis. As Ivory is asymptomatic and does not have worms in her right heart chambers, her worm burden does not appear to be significantly elevated, and her current risk for clinical signs secondary to her disease is relatively low.

BREED

Shih Tzu Mix

No evidence of primary cardiac disease is appreciated in the image set.

Ivory's cardiovascular risk for general anesthesia is likely only mildly increased based on this exam and no specific contraindications are seen, though, ideally, her heartworm disease would be eliminated prior to undergoing anesthesia.

SEX

FS

I recommend starting Ivory on a four-week course of doxycycline (10 mg/kg BID) and a monthly heartworm preventative if she is not already receiving these. One month after the doxycycline is completed, heartworm adulticide therapy with melarsomine may begin (three dose protocol recommended). Strict exercise restriction is recommended throughout the course of therapy in order to minimize Ivory's risk for developing a pulmonary embolism.

AGE

10 y

A recheck heartworm antigen test is recommended 9 months after the final melarsomine injection. A recheck echocardiogram is recommended if new physical exam and/or clinical abnormalities suggestive of cardiac dysfunction develop.

WEIGHT

12.5 lb

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



DATE

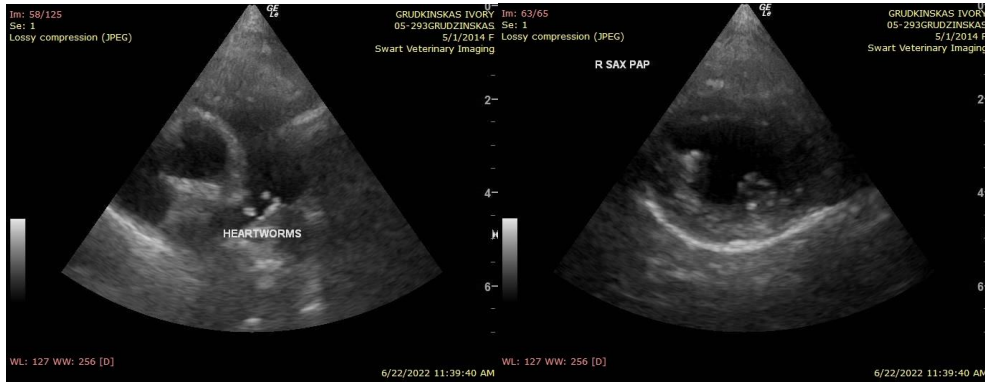
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Ivory Grudkinkas

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)
KeithBlass@gmail.com
631-804-5754

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