



PRESENTING CLINICAL SIGNS

DATE

History: Acute onset of pronounced lethargy, inappetence, and vomiting (3 times) four days ago. PE yesterday revealed dehydration and marked lethargy. This morning there is pitting edema of the face and cranial abdomen is slightly painful. Non-febrile. Peripheral lymph nodes WNL.

6/21/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Sara Hansen

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

A moderate volume of pericardial effusion is present. The left atrium is mildly underfilled. The mitral valve appears normal, though trace mitral regurgitation is present. The left ventricle is mildly underfilled. Left ventricular systolic function is normal. The aorta and aortic are normal. The right atrium and right ventricle are underfilled. There is diastolic collapse of the right atrial free wall, consistent with cardiac tamponade. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. There is an ~4.80 cm x 2.36 cm cavitated mass associated with the right atrial/auricular free wall.

PATIENT

Gabby Nyberg

LA - 30.2 mm
LVIDd - 32.9 mm
LVIDs - 24.5 mm
FS - 25.5%
RA - 23.1 mm
LVOT - 1.09 m/s
RVOT - 1.27 m/s

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Pericardial effusion with cardiac tamponade
Right atrial/auricular mass

BREED

Golden Retriever

This examination demonstrates a moderate volume of pericardial effusion, with evidence that the effusion has resulted in the development of cardiac tamponade. The tamponade is very likely the cause of Gabby's lethargy, inappetence, and vomiting, as well as her pitting edema, though it's unclear whether it's the cause of her painful abdomen (it could be if significant peritoneal effusion is present).

SEX

FS

Gabby's pericardial effusion appears to be due to bleeding from a mass associated with her right atrium/auricle. While a biopsy would be required to determine the etiology of the mass, this location, especially in Golden Retrievers, is highly associated with the presence of hemangiosarcoma, which, if present, tends to be an aggressive tumor type that commonly metastasizes to the lungs and/or abdomen.

AGE

7 y

Thoracic radiographs are recommended to further evaluate for pulmonary metastatic disease.

WEIGHT

75 lb

Pericardiocentesis is recommended in order to relieve Gabby's tamponade. Once the tamponade is relieved, Gabby's facial swelling should resolve on its own in a few days to weeks, though some furosemide can be given temporarily to expedite this.

HOSPITAL NAME

Santa Clara AH

Consultation with an oncologist can be considered to determine whether chemotherapy and/or radiation could potentially be beneficial treatment options. Pericardiectomy can be considered in the future as a palliative procedure in order to prevent additional episodes of cardiac tamponade.

A recheck echocardiogram is recommended in 4 months, sooner if clinical signs compatible with cardiac tamponade recur.

REFERRING VET

Dr. Brasted-Maki



DATE

6/21/23

PERFORMED BY:

Sara Hansen

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

PATIENT

Gabby Nyberg

SPECIES

Keith Blass, DVM, MS, DACVIM (Cardiology)

Canine

KeithBlass@gmail.com
631-804-5754

BREED

Golden Retriever

SEX

FS

AGE

7 y

WEIGHT

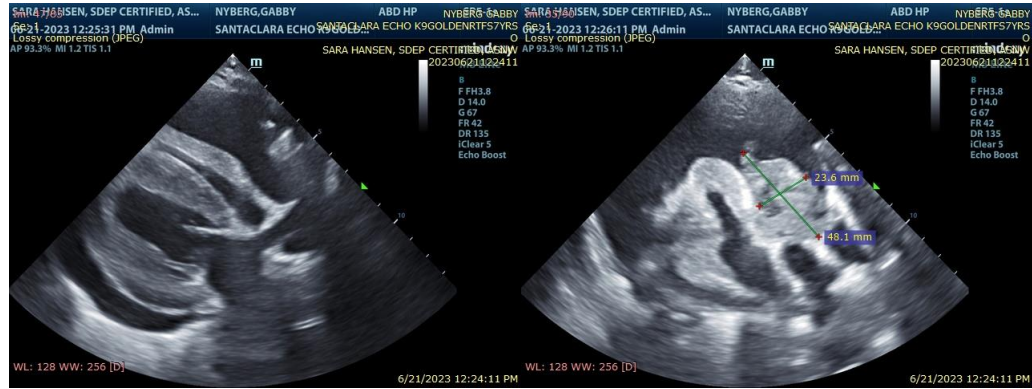
75 lb

HOSPITAL NAME

Santa Clara AH

REFERRING VET

Dr. Brasted-Maki



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.