


**PATIENT PRESENTING CLINICAL SIGNS**

Jax Dinanno

History: recheck suspected aortic body tumor

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**BREED**

Boxer

**SEX**

Intact male

**AGE**

9 years

**WEIGHT**

90.5 lbs

**INTERPRETED BY**

 Eric Lindquist, DMV  
 DABVP, Cert. IVUS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

**HOSPITAL NAME**

Rockaway AH

**INVOICE**

96961

**DATE**

3/17/22

The **left atrium** was normal in size. **Mitral valve** insufficiency was noted at 5.5 m/sec. 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. 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. **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). A heart base mass was noted in this patient overlying the left atrium. The mass measured 6.0 x 4.7 cm. Arrhythmogenic activity was noted.

| CANINE<br>CARDIAC<br>PARAMETERS | MR<br>VMAX<br>(m/s) | TR<br>VMAX<br>(m/s) | LA/AO<br>(Boon method) | LA/AO<br>(Heart Base;<br>Swe) | FS<br>(%)                                | EF<br>(%)  | EPSS<br>(cm)   |
|---------------------------------|---------------------|---------------------|------------------------|-------------------------------|--|--|--|
| NORMAL<br>PARAMETER             | 4.5-5.5             | <2.7                | 1.3                    | <1.6                          | 28-40                                    | 40-100   | <0.6   |
| PATIENT                         | 5.5                 |                     | NM                     | 1.5                           | 35                                       | 64   | 0.6  |
| CANINE<br>CARDIAC<br>PARAMETERS | HR<br>(BPM)         | AV<br>VMAX<br>(m/s) | PV<br>MAX<br>(m/s)     | BODY<br>WEIGHT                | LA<br>2D short axis<br>Base view<br>(cm) | LVIDd<br>Avg; 2D and m-<br>mode short axis<br>(cm) | LVIDs<br>Avg; 2D and<br>m-mode short<br>axis<br>(cm) |
| NORMAL<br>PARAMETER             | 50-100              | 0.7-1.7             | 0.7-1.6                |                               |  |  |  |
| PATIENT                         | 165                 | 1.5                 | 1.3                    | 90.5 lbs                      | 5.5                                      | 4.26   |  |



**PATIENT**                      **ULTRASONOGRAPHIC FINDINGS**

Jax Dinanno                      Aortic body tumor with concurrent mitral and tricuspid insufficiency.

Arrhythmogenic activity was noted.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Boxer

A Holter monitor is indicated. No specific therapy is recommended unless the EKG reveals arrhythmogenic activity. Blood pressure measurements are warranted. Stage B1 valvular disease with concurrent aortic body tumor/chemodectoma. This is not resectable. These are typically slow growing expansive masses and may eventually cause issues regarding pulmonary vein inflow.

**SEX**

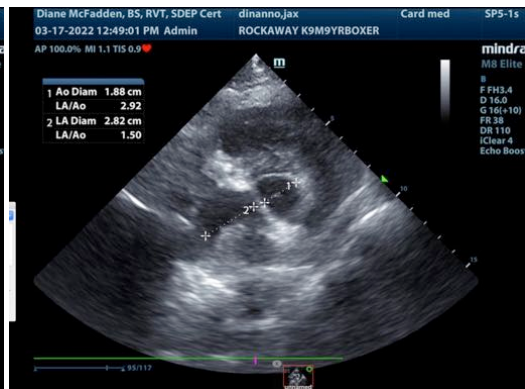
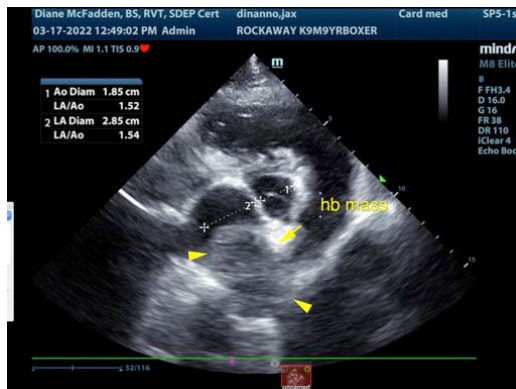
Intact male

**AGE**

9 years

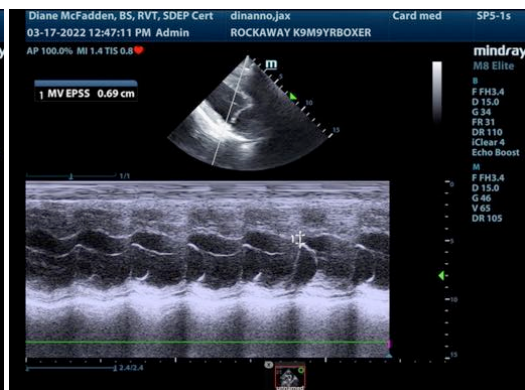
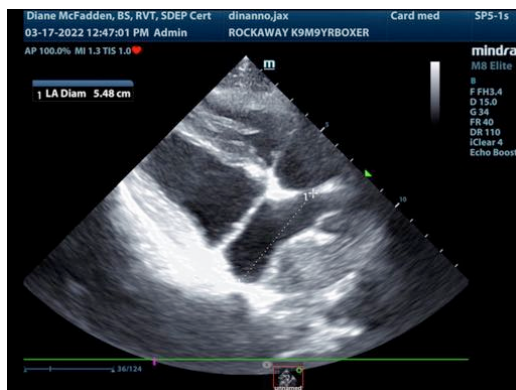
**WEIGHT**

90.5 lbs



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS



**IMAGING PERFORMED BY**

Diane McFadden, RVT

**HOSPITAL NAME**

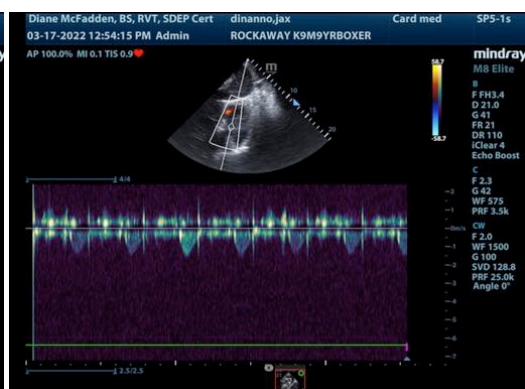
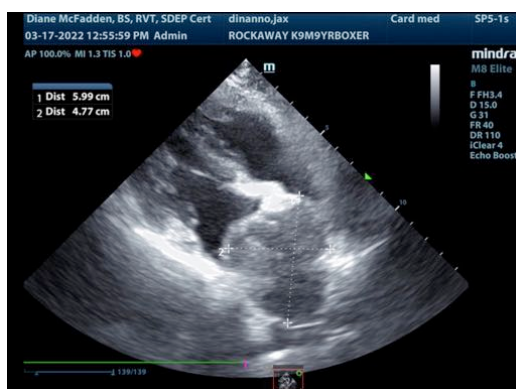
Rockaway AH

**INVOICE**

96961

**DATE**

3/17/22





**PATIENT**

Jax Dinanno

**SPECIES**

Canine

**BREED**

Boxer

**SEX**

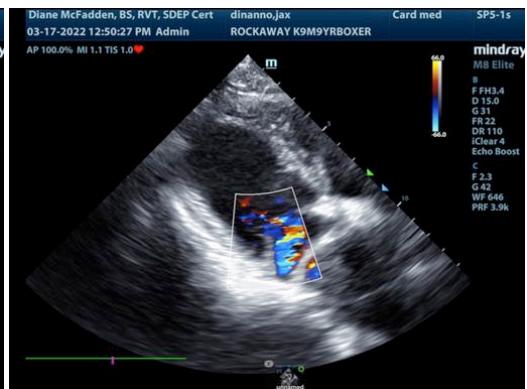
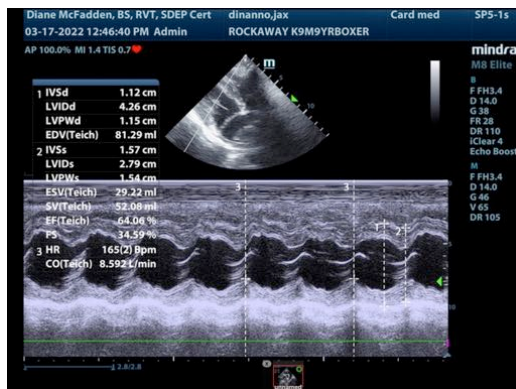
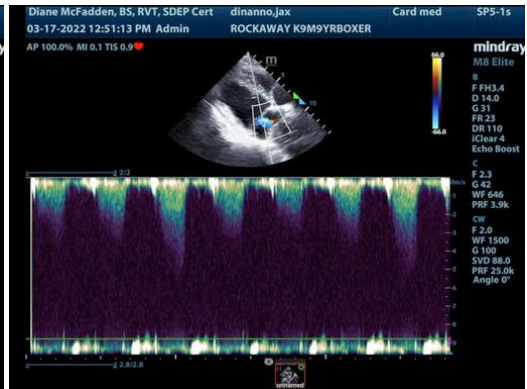
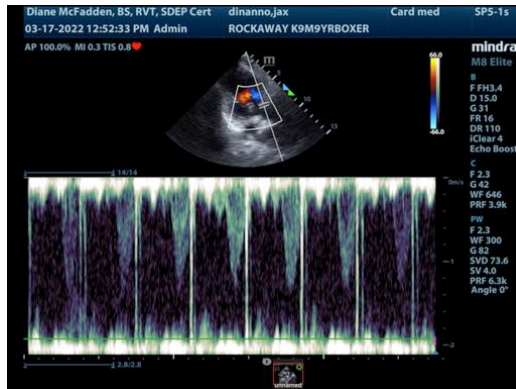
Intact male

**AGE**

9 years

**WEIGHT**

90.5 lbs



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

**HOSPITAL NAME**

Rockaway AH

**INVOICE**

96961

**DATE**

3/17/22

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