



**PATIENT PRESENTING CLINICAL SIGNS**

**Bijou Howard** Presented to surgeon after cardiologist diagnosis of PDA, aberrant pulmonary vasculature (3 branches of the pulmonary artery), and mild supralvalvular pulmonic stenosis. Has been taking Enalapril, Spironolactone, and pimobendin. He continues to have no clinical signs that the owners notice.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Thoracic auscultation: Grade V/VI heart murmur heard on both sides; normal BV sounds in all lung fields. Intact male. Assessment: Congenital cardiac abnormalities: PDA, mild supralvalvular pulmonic stenosis, and aberrant pulmonary vasculature

**BREED**

Miniature Schnauzer

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX**

Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

Intact Male

A contrast containing patent ductus arteriosus is seen between the aorta and the main pulmonary artery. The main pulmonary artery divides into one right and one left branch as expected, however, the origin of the left branch is aberrant and medial to the patent ductus arteriosus instead of being further lateral as usual. The ductus arteriosus may be mistaken for a third branch depending on the image plane used for the assessment. However, I cannot identify a third branch of the pulmonary artery.

**AGE**

1 Year

There is basico-apical enlargement of the heart with a mildly enlarged left ventricle and left atrium. Mild enlargement of the left auricular appendage is seen as well. Both the pulmonary arteries and veins are prominent. No persisting left cranial vena cava is seen.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

There appears to be mild dorsoventral flattening of the caudocervical trachea.

At this time, there is no evidence of pulmonary edema.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Patent ductus arteriosus with active perfusion.
- Aberrant origin of the left branch of the pulmonary artery.
- Left sided cardiomegaly and hyperperfusion of the lung with no evidence of cardiogenic pulmonary edema.

**HOSPITAL NAME**

Mobile Pet Imaging

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**REFERRING VET**

Meaux

The CT study reveals a patent ductus arteriosus which contains contrast media, and the ductus diameter appears to be 5mm approximately. Note the aberrant origin of the left pulmonary artery which is further medial than usual and also medial to the patent ductus. No other vascular abnormality is noted.

**INVOICE**

53122

The remainder of the findings are compatible with volume overload of the left heart and lung with no evidence of congestive failure.

**DATE**

7-27-22



**PATIENT**

Bijou Howard

**SPECIES**

Canine

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Miniature Schnauzer

**SEX**

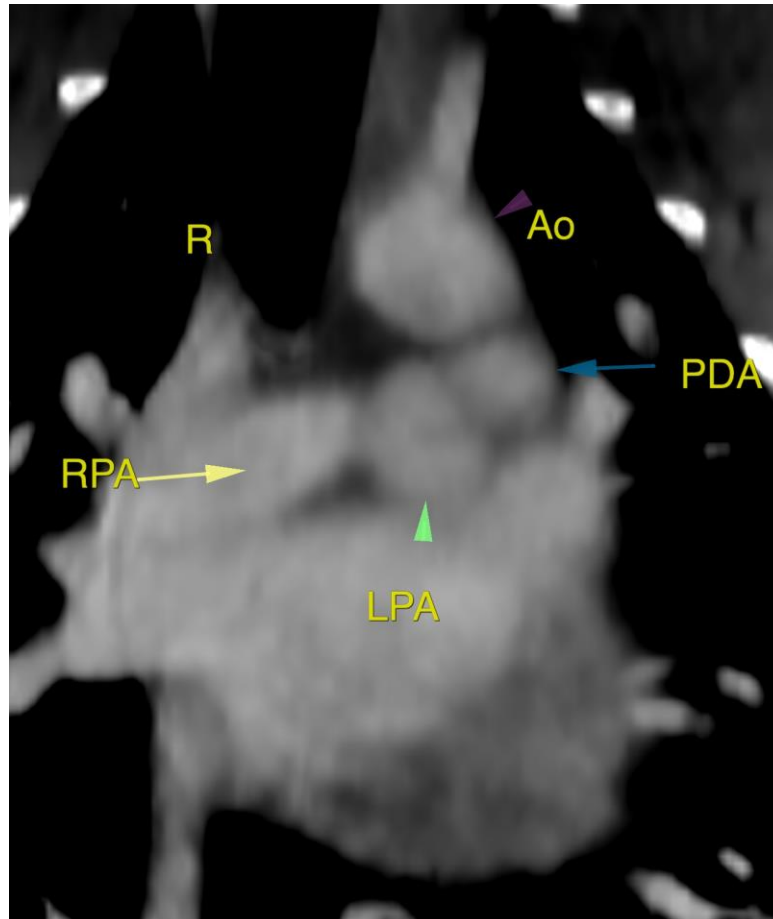
Intact Male

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**HOSPITAL NAME**

Mobile Pet Imaging

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.

**REFERRING VET**

Meaux

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.

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