



**PATIENT**

Ringo Reyes

**PRESENTING CLINICAL SIGNS**

Large hypoechoic primary lung mass with poor vascular supplied on color doppler interrogation. Primary lung mass, rule out adenocarcinoma. FNA was performed under sedation. Pathology Report: Microscopic Findings: Epithelial hyperplasia Comment: These epithelial cells are not remarkable to mildly hyperplastic. Inflammation is minimal and likely not significant. This may be area of collapse but may also consider a well differentiated carcinoma.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- unremarkable

**BREED**

French Bulldog

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX**

Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

NM

The cranial subsegment of the left cranial lung lobe is occupied and displaced by a large ovoid mass measuring 4.0 cm in length, 4.3 cm in height, and 2.6 cm in width. Moderate nonuniform enhancement is noted within the mass. There is mild rightward mediastinal shift and caudal displacement of the caudal subsegment of the left cranial lung lobe. The main lobar bronchus of the cranial subsegment is obliterated at its hilus. Residual air can be seen within the lobar bronchus further distally. Occasional age related incidental pulmonary osteomas and pleural plugs are seen in the remainder of the lung. There is no evidence of additional nodules or masses.

**AGE**

10 Years

The mediastinal lymph nodes present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

No pleural effusion is seen.

A series of multiple hemivertebrae and spondyloses are seen within the mid and caudal thoracic spine.

**HOSPITAL NAME**

Veterinary Image  
Center

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Mass with heterogeneous enhancement and lobar bronchial obliteration in the cranial subsegment of the left cranial lung lobe.
- Multiple congenital vertebral malformation.

**REFERRING VET**

Dr. R. Vargas, DVM

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are suggestive of a neoplastic mass with heterogeneous perfusion within the cranial subsegment of the left cranial lung lobe. Differential diagnosis includes primary pulmonary masses such as carcinoma as well as secondary masses including round cell neoplasia. Non-neoplastic processes such as granuloma, abscess, and lobar pneumonia are thought highly unlikely based on the CT findings but cannot be ruled out entirely. The obliteration of the lobar bronchus may be due to displacement and mass effect; however, twist of the cranial subsegment at its hilus cannot be ruled out entirely. Since this is a single mass and prior sampling has not proven fruitful, direct lung lobectomy with further histopathologic examination could be considered.

**INVOICE**

49290

**DATE**

1-4-22



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**REFERRING VET**

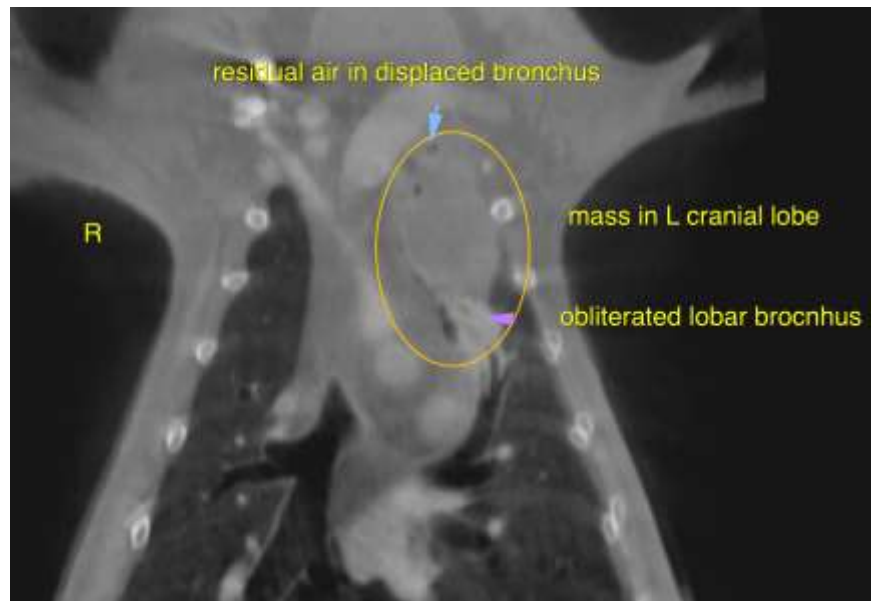
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mass w heterogeneous enhancement



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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.

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.

**SPECIES**

Canine

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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