



## Radiology Report

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Newbury, 02 August 2011

Dear ~~Michelle~~

**Re: Kitty ~~Williams~~, 10-year-old FN DSH cat with a week's history of non-productive coughing**

Thank you for submitting Kitty's history and thoracic radiographs (2 lateral and 2DV/VD views) obtained on 29 July 2011 (received today 02 August 2011).

### *Cardio-vascular system*

The cardiac silhouette appears normal in shape and dimensions (vertebral heart score= 8.0; normal 7.6-8.1). There is no evidence of pulmonary venous congestion and pulmonary oedema/pleural effusion to suggest the presence of left-sided congestive heart failure. Similarly, there is no evidence of increased sternal contact related to a possible right-side enlargement; the caudal vena cava does not appear sufficiently engorged to suggest the presence of a right-sided congestive cardiac failure.

### *Respiratory system*

Although the provided films are very dark, there is evidence of air in the oesophagus, possibly secondary to GA anaesthesia or underlying breathing difficulty. Under the spot-light, there is also the impression of a soft-tissue opacity in the left caudal lung fields. This finding could be compatible with inflammatory cellular infiltration (pneumonia), neoplastic infiltration or atelectasis.

### **COMMENT**

Unfortunately, Kitty's thoracic radiographs are very over-exposed and the above-mentioned lesions could not be further characterised. My advice is to repeat the radiographs using a lower exposure or consider advanced imaging (CT-scan) for a better analysis of the lung lesions. The non-diagnostic sample on tracheal wash is probably due to the fact that the lesion appears quite deep in the respiratory tract and may have been missed by the washing procedure. Solid tumours and atelectasis may also provide non-diagnostic samples on broncho-alveolar lavage and tracheal wash.

I hope this may assist you with your diagnostic investigation and, please, feel free to contact me if you have any further questions or if you wish to discuss this case in more detail.

Yours sincerely

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