

Diagnostic Imaging Report

Owner

Wildman

Referring veterinarian

Anrich veterinary Hospital - Chavdar Chernev

Patient

Tiny : Cat Domestic
shorthaired

Female spayed 13 years

CT Performed on Aug 15, 2018

by Sue Fishwick

History

Nasal discharge.

10.05.18- Coughing and sneezing, happens frequently. When eating/drinking owner says she makes a strange noise. No discharge seen in upper airways.

07.07.18- Began to cough/sneeze again. Has nasal discharge. Chest clear, heart ok.

Description

The study consists of 4 series of 1 mm thick transverse CT images of the head taken before and after IV injection of iodinated contrast medium.

On precontrast images, soft tissue attenuating material is seen in the ventral aspect of the nasal cavity, obstructing the ventral nasal meatus and the choana on both sides. Soft tissue attenuating material is also identified between ventral ethmoid turbinates on the left side. No underlying bone destruction is seen. Both tympanic bullae are filled with soft tissue attenuating material. The brain tissue has normal attenuation. The ventricular system is of normal size. Mandibular, medial retropharyngeal, and cervical lymph nodes are of normal size. In the thorax, lungs are well inflated. A mild diffuse bronchial wall thickening is noted. No pulmonary consolidation is identified. Cranial mediastinal structures are within normal limits. The esophagus is distended with air. No pleural abnormalities are seen. Mild ventral new bone formation is noted along the cervical and thoracic spine.

On post-contrast images, enhancement of the nasal mucosa is identified, but no perfused mass is recognised. The content of the tympanic bullae is not enhancing.

Conclusion

Bilateral nasal changes more pronounced on the left side compatible with non erosive rhinitis. Bilateral otitis media. Mild bronchial changes compatible with bronchitis. An infectious (viral and/or bacterial) process may be suspected. Unremarkable thorax.

Pr. Paul Barthez , DACVR, DipECVDI

Phone : +352 621 35 22 98

e-mail : paul.barthez@gmail.com

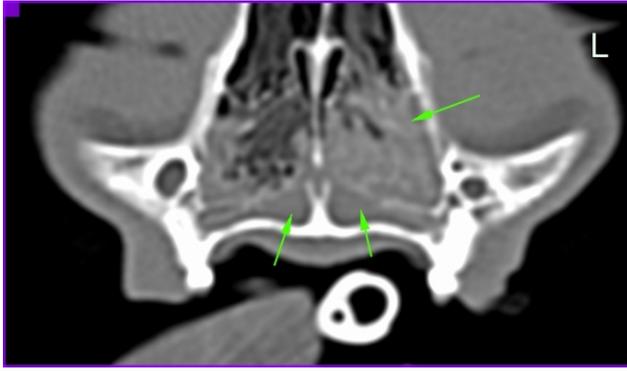


Fig.1 : Transverse image of the head showing partial filling of the nasal cavity with obstruction of the ventral nasal meatus (arrows).

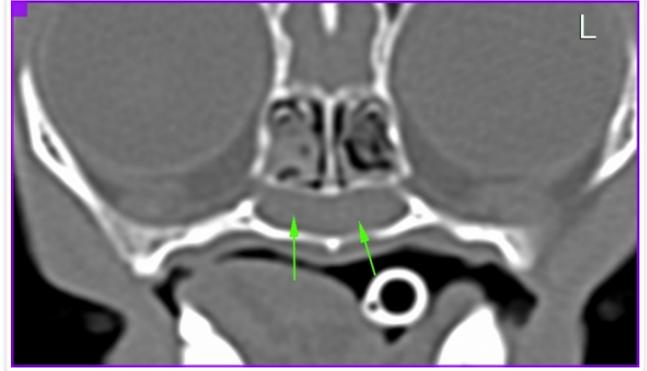


Fig.2 : Transverse image of the head showing obstruction of the choana (arrows).

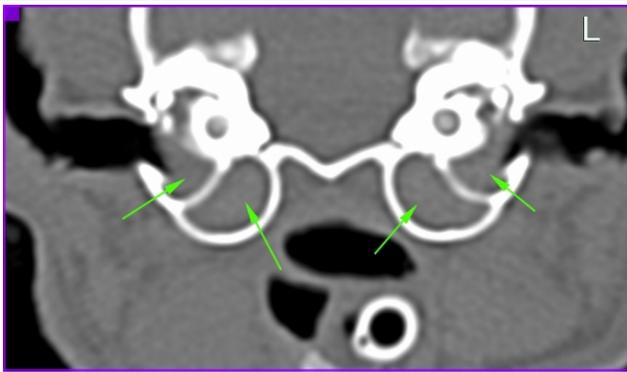


Fig.3 : Transverse image of the head showing filling of both tympanic bullae (arrows).

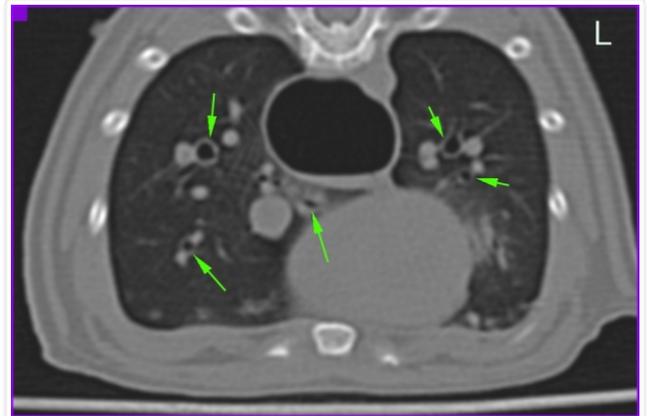


Fig.4 : Transverse image of the thorax showing thickening of the bronchial walls (arrows).