



PATIENT PRESENTING CLINICAL SIGNS

Midnight Arcuri P presents for recheck radiographs of thoracic cavity. Previous radiographs were obtained 4th of April. P was put on antibiotics, but not resolved.

SPECIES RADIOGRAPHIC STUDY OF THE THORAX AND HEAD

Feline Radiographs of the thorax, cervical structures, and head in three imaging planes are provided for review, right lateral, left lateral and ventral dorsal views, and oblique views, totaling 5 images. Recheck exam, comparison to the previous exam dated 04.04.2023.

BREED

DSH

RADIOGRAPHIC FINDINGS

SEX

Spayed Female

In comparison with the previous exam, there is a persistent abnormally overdistended column height of the cervical airway structures (nasopharynx and larynx) and intrathoracic trachea. The larynx region is thickened, and the cuneiform process of the arytenoid cartilage is thickened and more prominent.

Similarly, thoracic tracheal undulation is seen.

AGE

15 Years

Also similarly, the cervical and thoracic esophagus is mildly distended by gas, and a tracheal stripe sign is seen.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

Mild improvement is seen of the bronchial pattern, and similar thinly mineralized bronchial walls are seen throughout all lung lobes.

The diaphragm is more regular, and the tenting appearance is not more visible in comparison with the previous exam on the ventrodorsal views.

HOSPITAL NAME

The Pet Hospital of Stratford

The cardiac silhouette is mildly increased in overall size and spans approximately 55% of the thoracic width as similar with the previous exam. (VHS = 9.1 lateral view). It is in a more horizontal position and develops increased sternal contact on the lateral views. The aortic arch is visible as a rounded bulge at the cranial aspect of the cardiac silhouette on the ventrodorsal and lateral views.

A thin pleural fissure is visible between the right middle and caudal lung lobes on the ventrodorsal view as similar with the previous exam.

REFERRING VET

Dr. Robert Bashkin

The mediastinum is normal.

There is similar mild horizontal and vertical bone loss seen throughout the maxillary arcades, in comparison with the previous exam. No mass effect is seen in the nostril region and in the visible portion of the nasal planum. No clear mass effect is seen in the nasal cavity*.

INVOICE

57805

The tympanic cavity, temporomandibular joints and hyoid apparatus are bilaterally normal.

DATE

4-13-23



PATIENT Multifocal cervical, cervicothoracic, and thoracic intervertebral disc spaces are variably narrowed and associated incomplete bridging spondylosis deformans is seen as similar with the previous exam. A faint mineral opacity is seen superimposed over the T1-T2 intervertebral space.

Midnight Arcuri

RADIOGRAPHIC DIAGNOSIS

SPECIES

Feline

- The overdistention of the nasopharynx, larynx, and cervical trachea is persistently abnormal and associated with thickening of the cuneiform process of the arytenoid cartilage, which was not clearly defined in the previous exam. The differential diagnosis includes laryngeal inflammation disease, laryngeal cyst, laryngeal paralysis, and laryngeal neoplasm, or continuing correlation to respiratory distress.

BREED

DSH

- Improvement of diffuse bronchial pattern with tree-in-bud appearance and tenting diaphragm appearance.
- Similar, mild cardiomegaly, the differential diagnosis includes compensated cardiac disease.
- Similar changes in the cardiac position and bulge appearance of the aortic arch, differential diagnosis incidental aging changes or systemic hypertension.

SEX

Spayed Female

- Mild esophageal air dilatation, the differential diagnosis includes aerophagia, or esophagitis.
- Similar fissure line identification, the differential diagnosis includes radiographic artifact, less likely pleuritis.

AGE

15 Years

- Mild diffuse maxillary and mandibular periodontal disease - similar to previous findings.
- No mass effect in the nasal cavity. *
- Similar multifocal cervical and thoracic chronic disc disease and spondylosis deformans, with or without nerve root impingement.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pulmonary and diaphragm radiographic findings are mildly improved with antibiotics. Introducing treatment for inflammatory bronchitis/feline asthma protocol could be considered, if not performed yet. However, the persistence of overdistention by air of the nasopharynx, larynx and laryngeal thickness increases the list of differential diagnosis. Other differential diagnoses, besides respiratory distress causes, includes laryngeal paralysis, laryngeal inflammation, cysts, or neoplasia, and they are suggested now. The sensibility of the radiographic exam for larynx analysis is low considering other imaging techniques. A laryngoscopy or echolaryngography is suggested for further approach diagnosis, and biopsy if the thickening was confirmed. Some patient's clinical signs improve for laryngeal diseases with corticoid treatment, if inflammatory or neoplasm, however, a confirmation of the lesion is suggested.

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* An intraoral exam is better for analysis of the nasal cavity or also consider a dental radiograph. A computed tomography or rhinoscopy is suggested for better approach of the nasal cavity. If possible, please provide feedback for this case.

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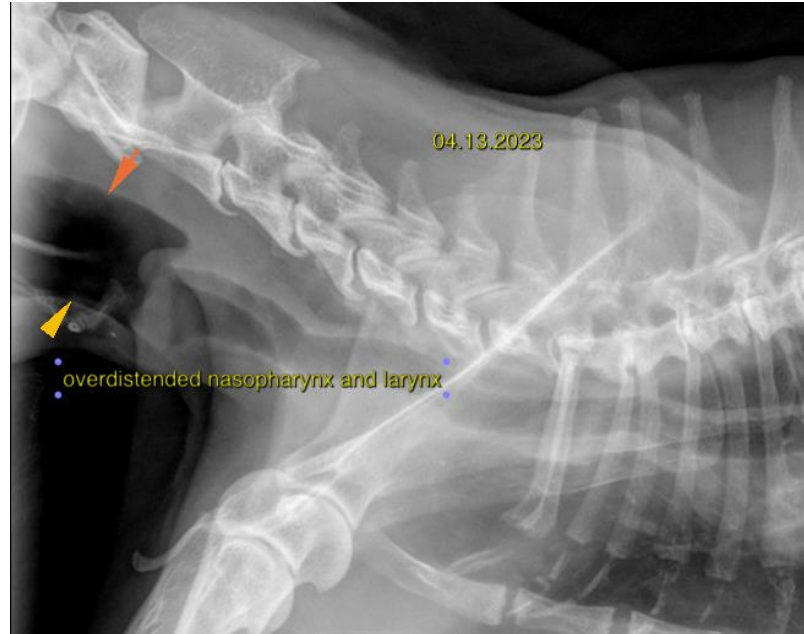
Dr. Robert Bashkin

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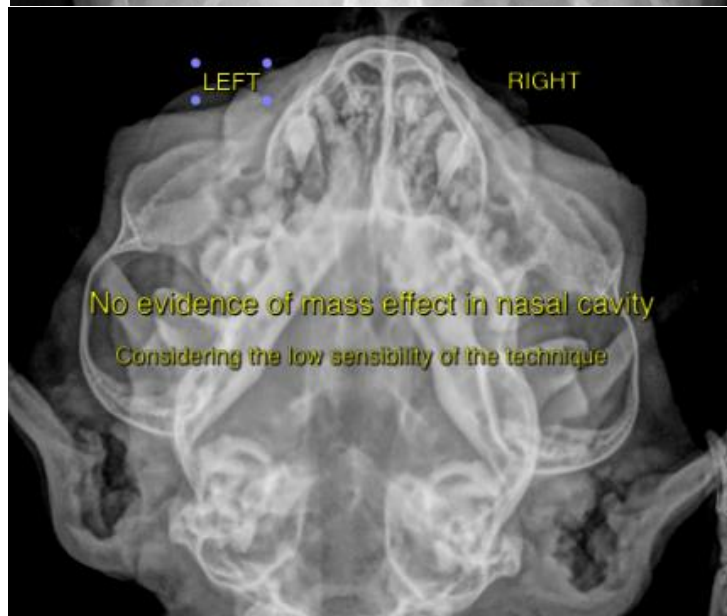
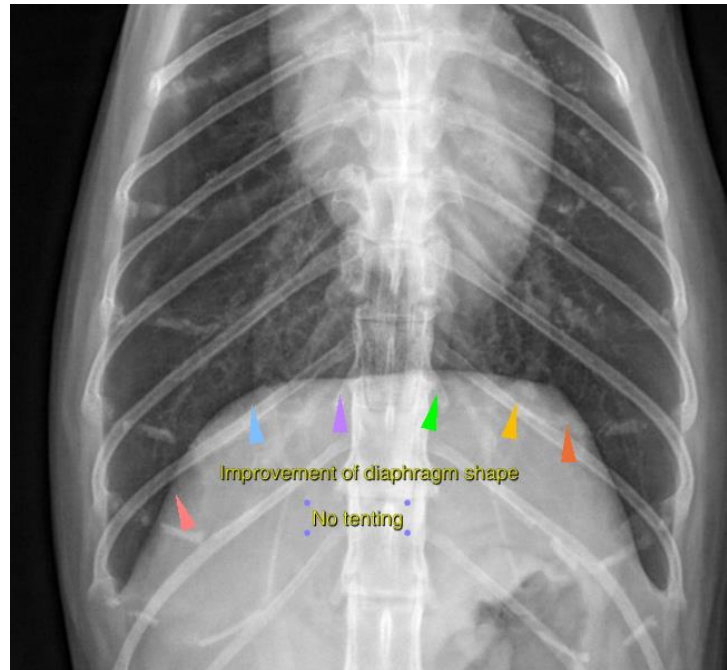
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PATIENT

Midnight Arcuri

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.

SPECIES

Feline

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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