



PATIENT PRESENTING CLINICAL SIGNS

Nikki Piotrowski Nikki is a 14 week old, female, Maine Coon cat who presented today as a new patient. The owners have had her for 3 weeks. The breeder told the owners that Nikki had a "ribcage deformity" that was unspecified. The owners report that Nikki's respiratory rate is fast and that they can feel her heart beating strongly. On exam today, Nikki has a respiratory rate of 60 bpm at rest, heart sounds are normal. On palpation of her thorax, I can appreciate a 1.5 cm divot in the soft tissue at her xiphoid area. There appears to be an elongated thorax and an extra lumbar vertebra. I am concerned about her lung patterns and her respiratory rate. Nikki's owners are willing to take her to a specialist if there is a deformity that needs attention.

SPECIES

Feline

BREED

Abnormal PE/Chem/CBC/UA Results: Felv/FIV testing today was negative

Maine Coon

RADIOGRAPHIC STUDY OF THORAX AND ABDOMEN

Orthogonal views of the thorax and abdomen (whole-body) are available for review totaling 2 images. One ventrodorsal and one lateral view.

SEX

Female

RADIOGRAPHIC FINDINGS

Thorax

AGE

14 Weeks

The mid to caudal sternum is moderately deviated dorsally, causing narrowing of the width of the thoracic cavity in this portion, and shifting the cardiac apex to the left hemithorax.

However, the cardiac silhouette and pulmonary vasculature are normal in shape and contour.

The trachea is normal.

INTERPRETED BY

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

A mild diffuse bronchial pattern is seen throughout all lung lobes.

There is a reduction of border definition of the diaphragm in the caudal mediastinum, central and right to the right side. This reduced definition is due to a small fat opacity mass effect.

The pleural space and cranial mediastinum are normal.

HOSPITAL NAME

Lambs Gap Animal Hospital

Abdomen

The liver is normal in size and shape for the patient's age.

The stomach is moderately dilated and contains a moderate amount of heterogeneous soft tissue opaque ingesta material and gas.

REFERRING VET

Dr. Jennifer Todd

The small intestines are normally distributed, of normal diameter, contain a moderate amount of gas, and mildly homogeneous soft tissue fluid material.

All portions of the colon contain a moderate amount of heterogeneous soft tissue opaque fecal material admixed with gas.

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The renal silhouettes and spleen are normal in size, shape, and contour.

The abdominal serosal detail is normal.

DATE

4-5-23

The vertebral bodies are normal in shape, opacity, and alignment. The vertebral count is normal, considering C1-7, T1-13, and L1-7.



PATIENT Normal open physes consistent with the patient's age.

Nikki Piotrowski

RADIOGRAPHIC DIAGNOSIS

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- The detected thoracic deformity is Pectus excavatum, congenital.
- Moderate narrowing of the thoracic width, and cardiac shift to the left hemithorax is correlated to the Pectus excavatum.
- The reduced definition of small portion of the diaphragm in the caudal mediastinum, differential diagnosis includes peritoneal pleural diaphragmatic hernia with probably a small portion of falciform fat herniation, usually incidental and correlates to Pectus excavatum, radiographic artifact.
- Mild diffuse bronchial pattern, differential diagnosis includes mild infectious or allergic bronchitis.
- Post prandial stomach, otherwise normal abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Female

AGE

14 Weeks

Pectus excavatum identification is usually incidental. Specifically, in this patient, the lesion causes a more evident narrowing of the thorax and a cardiac shift closer to the thoracic wall, and this is correlated with the clinical history. An association of peritoneal-pleural diaphragmatic hernia is also incidental, and usually there is no necessity for surgical correction. However, for the confirmation of this diagnosis, a thoracic ultrasound exam or computed tomography is necessary. For this congenital changes, consider conservative management.

The mild radiographic signs of infectious and/or allergic bronchitis could be correlated to the increase in respiratory rate, consider medical treatment.

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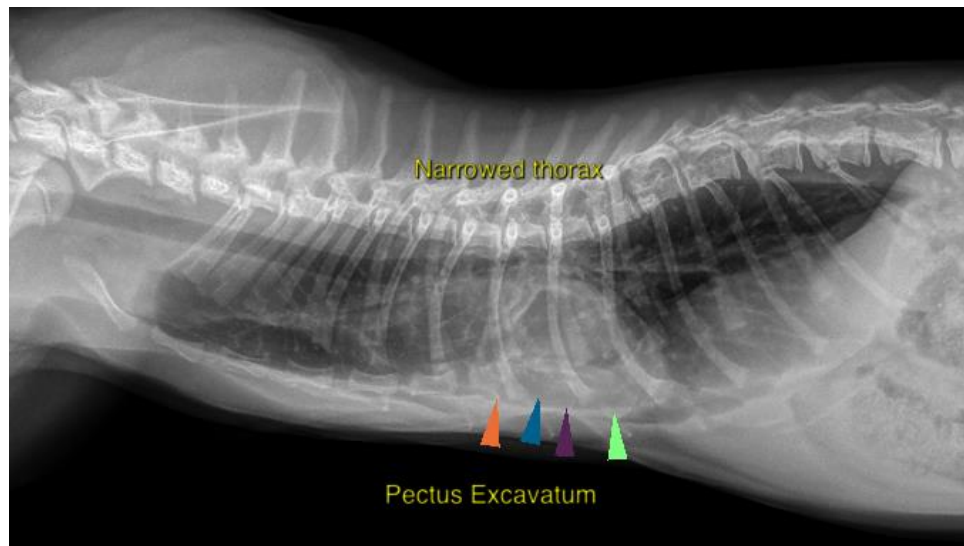
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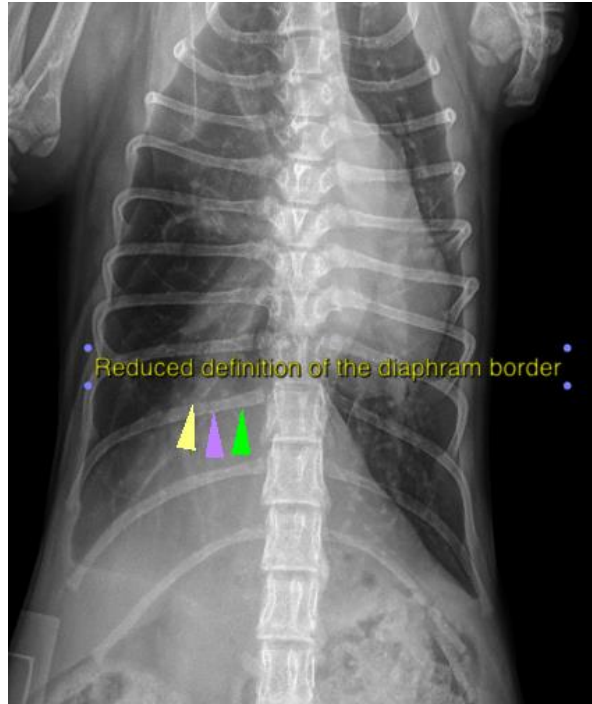
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BREED

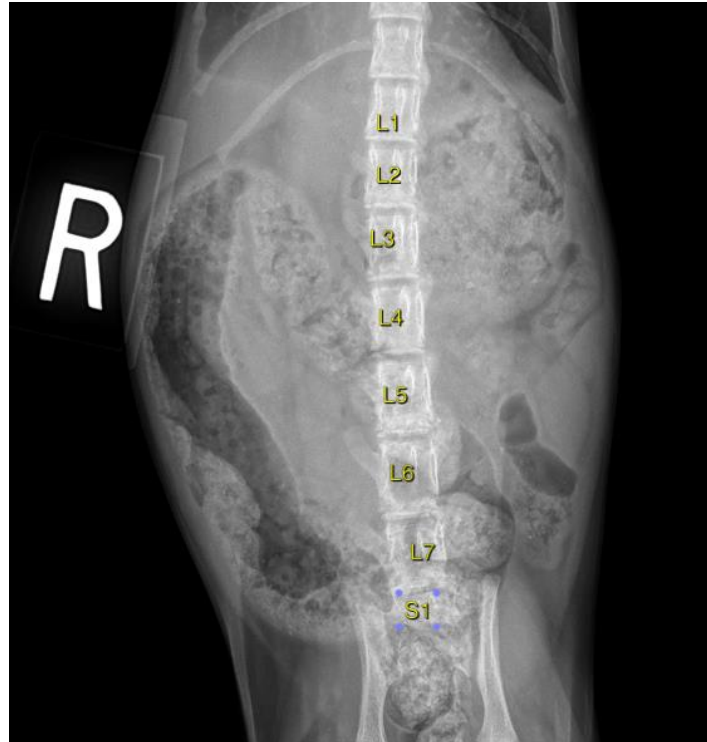
Maine Coon

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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.

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