KROMHOUT
MEDICAL IMAGING

Patient name

Owner

Findings CT examination 18 December 2019

Skull/cervical

Pre and post contrast CT images, 1mm slices in bone and standard algorithm:

There is a dorsal subluxation present of the axis compared to the atlas. There is an enlarged space between the caudal margin of the dorsal arch of the atlas and the cranial margin of the spinous process of the axis. A severe flattening of the spinal cord and medullary kinking is seen. On the transverse images the dens axis is displaced to left dorsal. A small pinpoint mineralization is seen ventral right in the spinal canal at the level of the atlas. Normal aspect of the shape of the dens axis. There is a decrease in size of the supraoccipital bone present with 'key hole' foramen magnum.

Post contrast images:

No significant uptake is present. An interruption is seen of the transverse ligament of the atlas. The ligament is thickened at the lateral aspect of the right atlas with presence of the pinpoint mineralization.

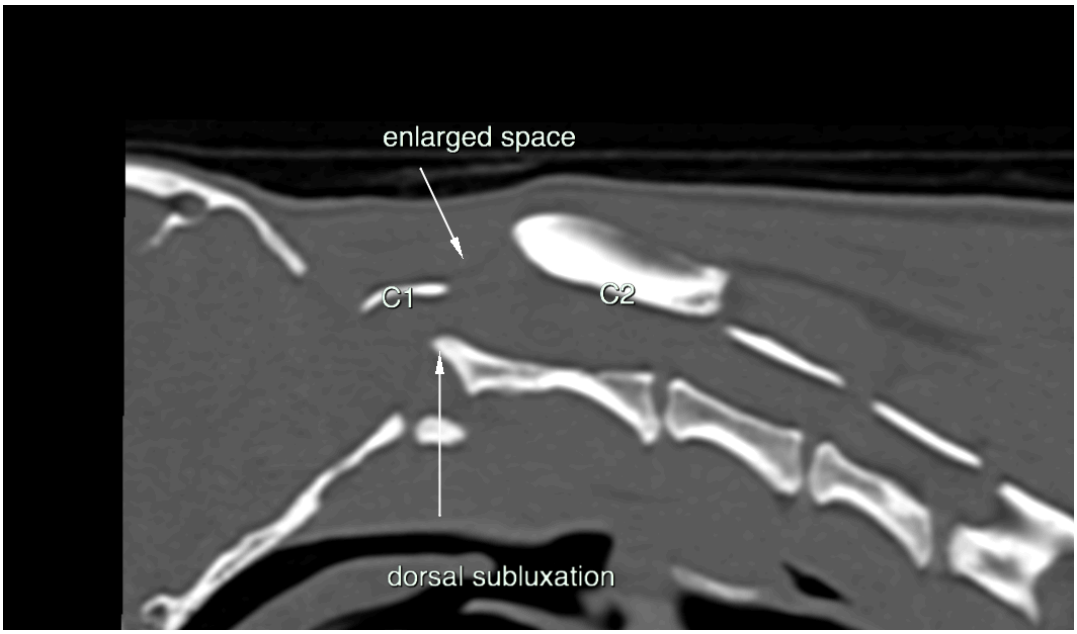
Conclusion

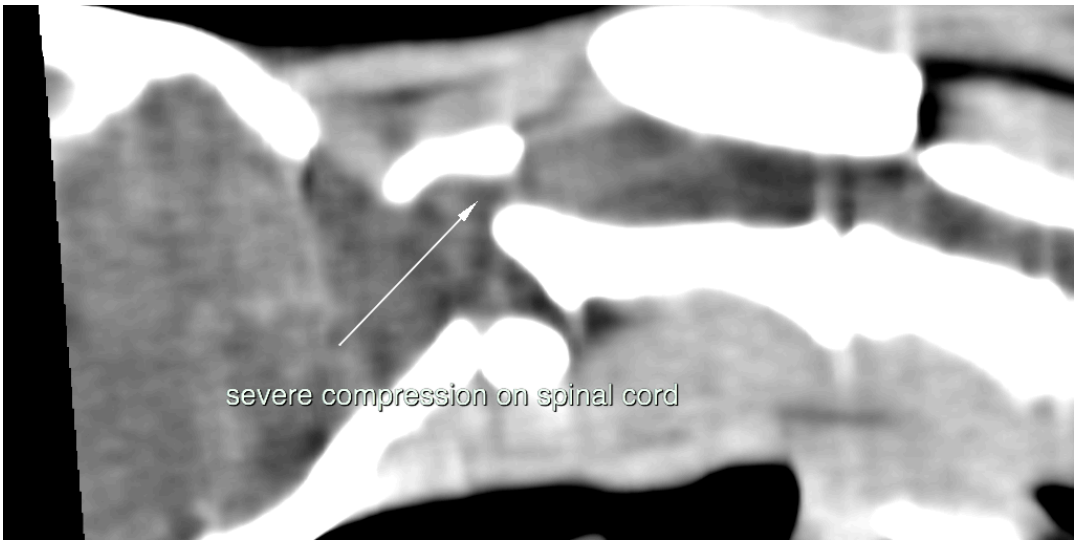
- atlantoaxial subluxation (left dorsal) with severe compression of the spinal cord; ligamentous origin most likely

- hypoplasia of the supraoccipital bone with key hole foramen magnum: congenital

This report is based on the available history and radiographic interpretation only and not on a physical examination of the patient.
It must therefore only be interpreted by the referring veterinarian responsible for the care of this patient.
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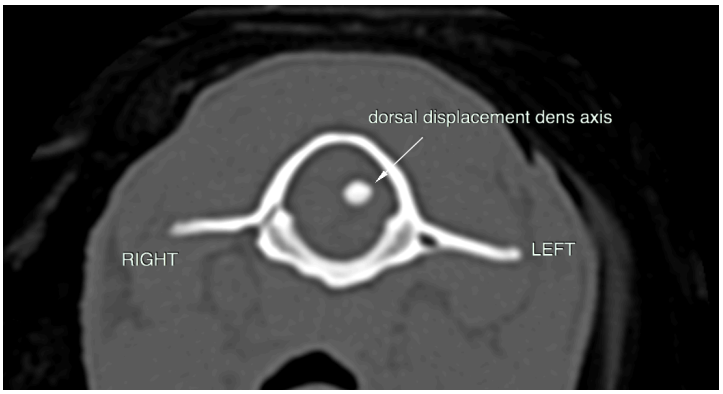




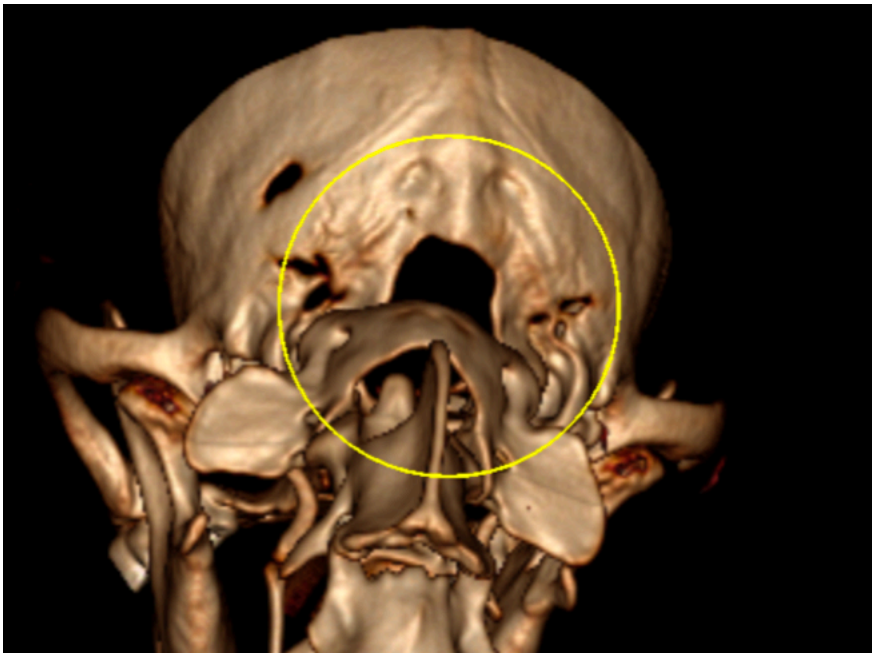
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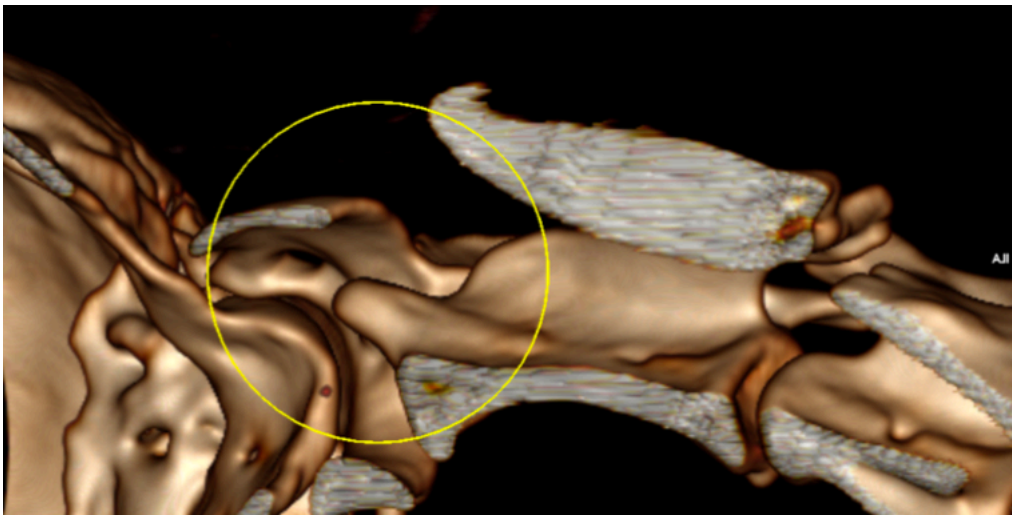
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Please, do not hesitate to contact me to further discuss this case.

Kind regards,

Dr. K. Kromhout, DVM, PhD

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