SonoPath Teleradiology

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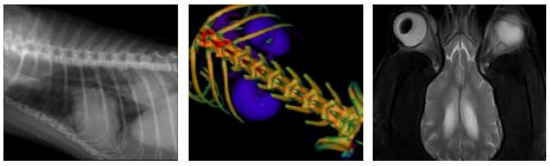

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Krishna Brouillette

SPECIES

Feline

BREED

DSH

SEX

MN

AGE

11 Years, 1 Day

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Health Partners

REFERRING VET

Dr. Stephanie Lovell

INVOICE

54499

DATE

10-6-22

PRESENTING CLINICAL SIGNS

11 yo DSH, 3 wks history hiding, inappetence, reluctance to jump. Exam: absent menace OS circling to the right.

MAGNETIC RESONANCE IMAGING STUDY OF THE BRAIN

T2, FLAIR, plain and post contrast, T1-plain and post contrast, diffusion weighted with ADC map, T2-star sequences in multiple image planes available for review.

MAGNETIC RESONANCE IMAGING FINDINGS

A 24mm long, 80mm wide, and 16mm high extraaxial mass is seen in the cranial fossa level with the parietal lobes of the brain. The mass is broadly attached to both parietal bones which present extensive hyperostosis. A severe extraaxial mass effect onto both cerebral hemispheres and the diencephalon is noted. The signal of the mass is heterogeneously hyperintense with multiple foci of signal void in T2 and T2-star. The enhancement is severe and nonuniform. Extensive dural tails are seen on the convexity of the forebrain as well as along the cerebral falx.

A second extraaxial mass is present within the dorsal aspect of the caudal fossa to the right of the midline. This mass presents similar signal behavior and measures 9mm in width, 9mm in length, and 3mm in height. A T2 and T2-star hypointense rim is seen. The contrast enhancement is nonuniform and severe. There is a mass effect onto the right cerebral hemisphere and cerebellar vermis. Hyperostosis of the calvarium is seen. Dural tails are present. Increased cranial pressure is noted due to the mass effect and causes tentorial as well as foraminal herniations.

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Multiple meningioma with a large meningioma within the cranial fossa and a smaller meningioma in the caudal fossa of the brain.
- Increased intracranial pressure with subtentorial and foraminal herniations.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The MRI findings are typical for multiple feline meningioma with extraaxial masses with calvarial hyperostosis and dural tails. The meningioma within the cranial fossa is especially large and causes severe compression of the forebrain and diencephalon. Foci of intralesional hemorrhage are present within both meningiomas. The meningioma within the caudal fossa presents evidence of perilesional hemorrhage as well.

The intracranial pressure must be significantly increased. Presence of subtentorial and foraminal herniation is noted respectively.

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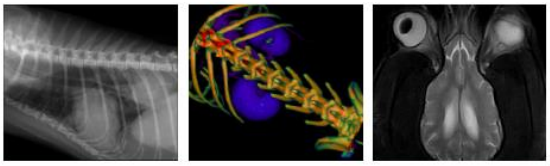

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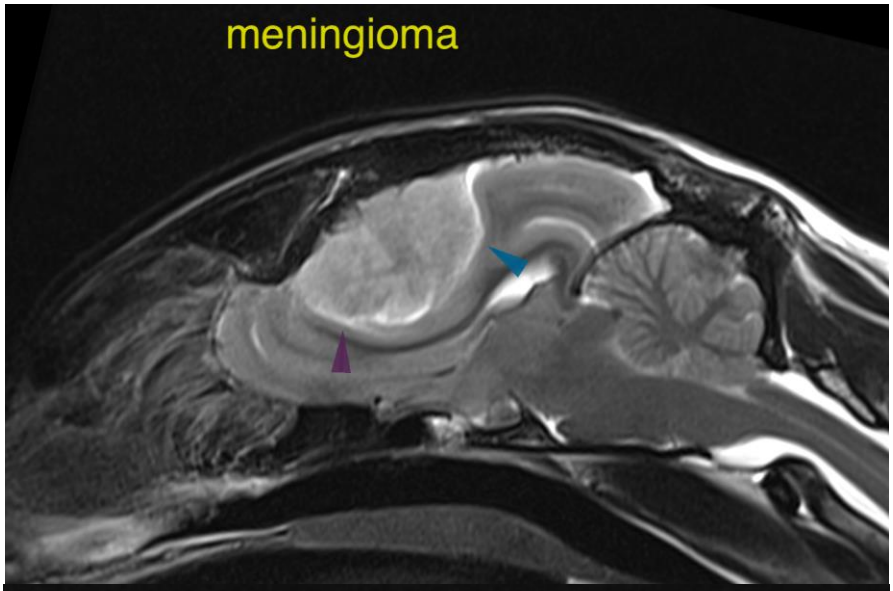

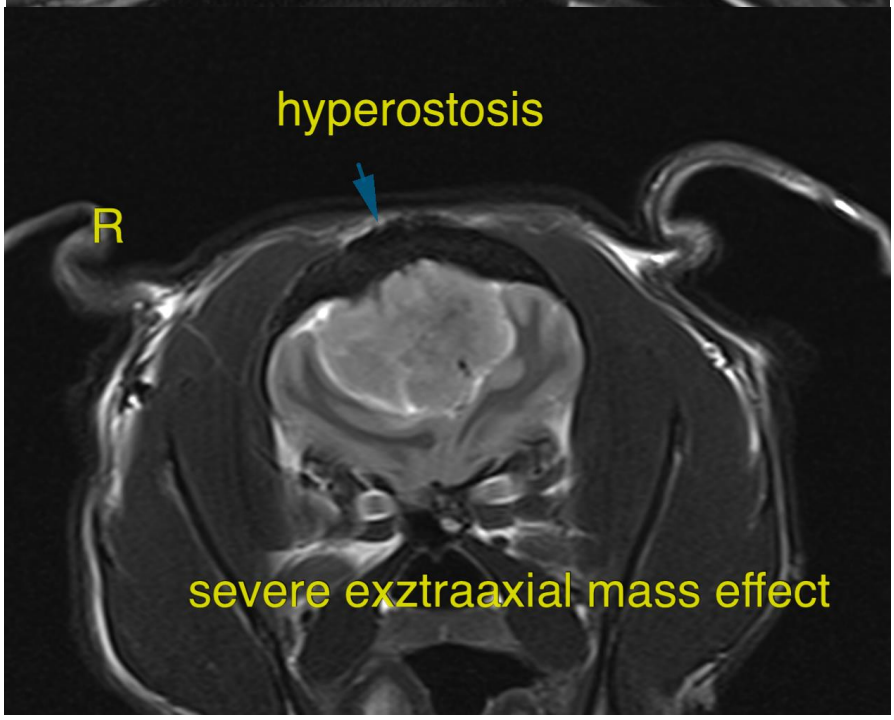

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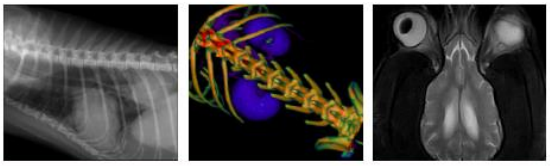

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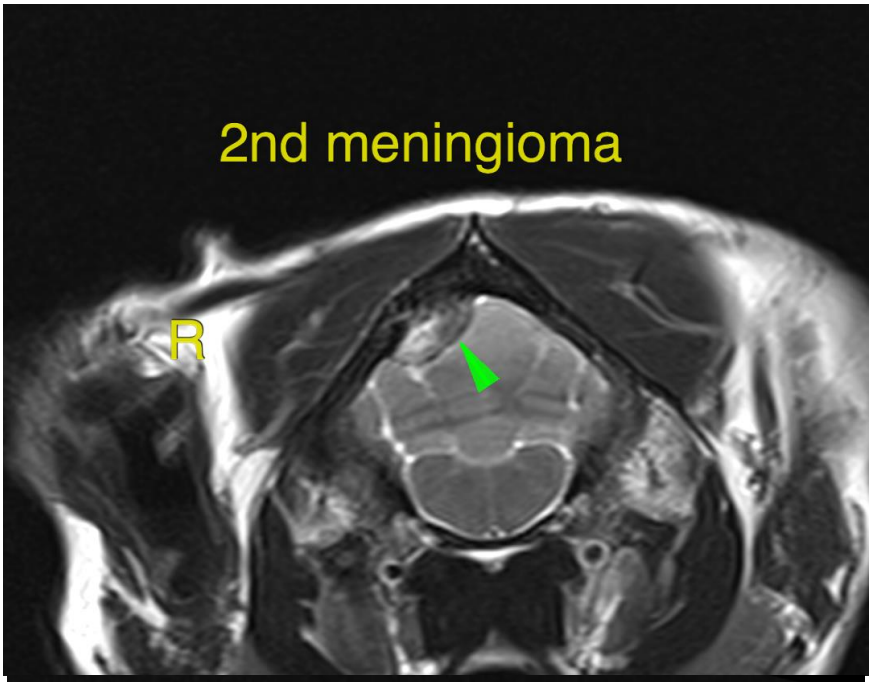

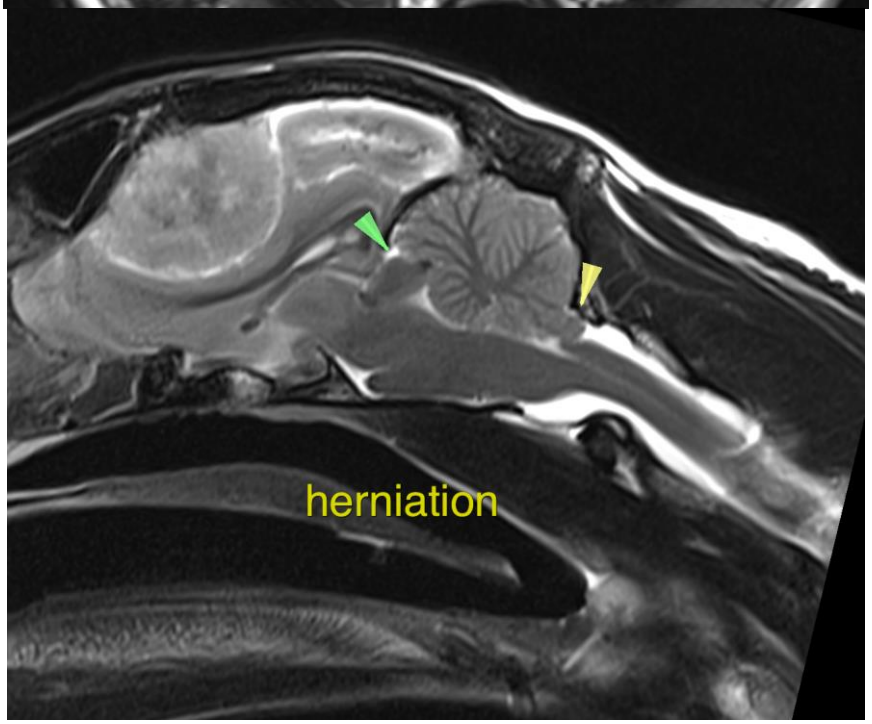

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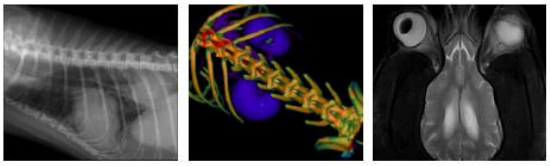

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com