



PATIENT PRESENTING CLINICAL SIGNS

Thor Tse
 chronic right head tilt now ear infection, right facial paralysis right Horner's syndrome
 Abnormal PE/Chem/CBC/UA Results: right sided Horner's facial and vestibular nerve dysfunction, right sided postural deficits. CSF analysis - Marked neutrophilic pleocytosis

SPECIES MAGNETIC RESONANCE IMAGING STUDY OF THE BRAIN

Canine
 T2, T2-star, FLAIR, T1-plain and post contrast, diffusion weighted with ADC map available for review.

BREED MAGNETIC RESONANCE IMAGING FINDINGS

French Bulldog
 Patient has a brachycephalic head type with small tympanic bullae. The right tympanic bulla contains heterogeneously T2 hyperintense and FLAIR hyperintense as well as T1 isointense material with poor enhancement limited to the periphery. The right external auditory meatus presents severe thickening of its epithelial lining with increased contrast enhancement accentuating in its horizontal portion. The right inner ear's cochlea and labyrinthium present a signal drop in T2 and increased enhancement of the post-contrast T1.

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 Thickening of the right vestibulocochlear and facial nerves is seen.

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 There is extensive irregular thickening of the meninges adjacent to the inner ear with extension along the brainstem caudally and up to the level of the thalamus rostrally.

INTERPRETED BY
 Nele Eley, DVM
 Dr. med. Vet. DipECVDI
 T2 and FLAIR hyperintense signal is seen in the ventral aspect of the left temporal lobe and hippocampus. There is a focal FLAIR hyperintensity in the right internal capsule. The lateral ventricles are mildly dilated without evidence of active distension.

The left tympanic bulla contains a moderate amount of fluid intense material and presents mild thickening of the peripheral mucosal lining.

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 The right retropharyngeal lymph node is moderately enlarged. Increased enhancement of the node and peripheral retropharyngeal soft tissues is noted.

Mild mucosal swelling is noted in the left ventral nasal meatus.

REFERRING VET MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Dr. Greg Kilburn
- Severe chronic right sided otitis externa, media, and interna with intracranial extension and severe meningitis.
 - Central neuropathy of the right vestibulocochlear and facial nerves.
 - Multifocal intraparenchymal contrast negative hyperintensities accentuating the left temporal lobe.
 - Right medial retropharyngeal lymphadenitis with circumferential retropharyngitis
 - Mild left sided rhinitis.
 - Moderate left sided otitis media with no evidence of otitis interna.

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DATE
 11-28-22



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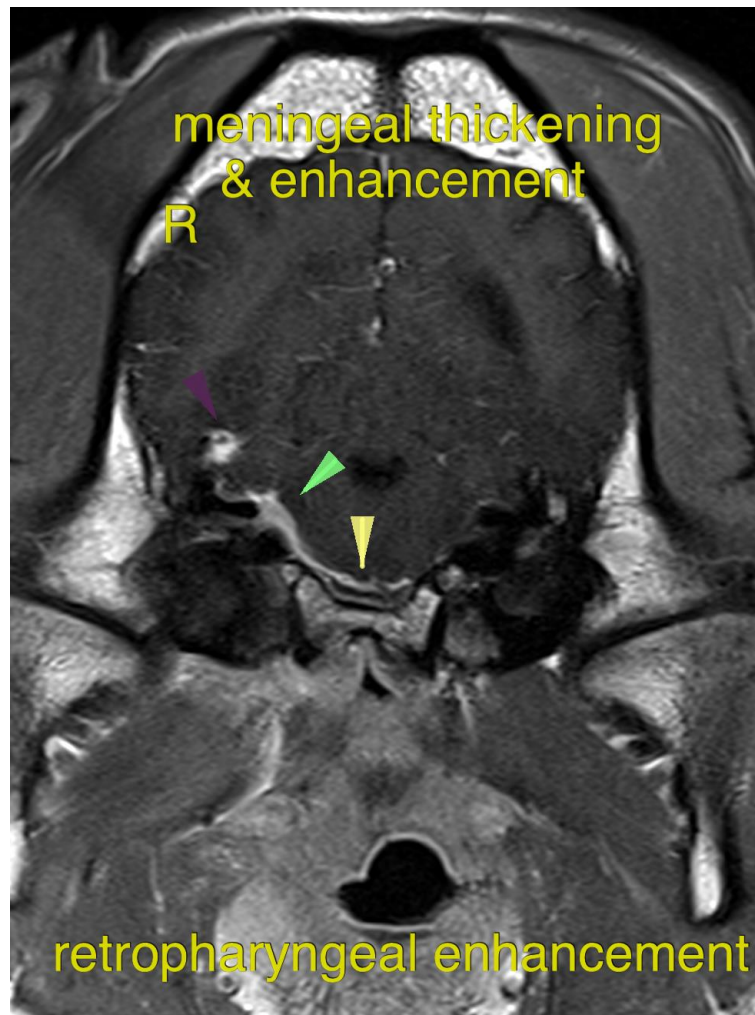
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The MRI study reveals severe chronic otitis media, externa, and interna on the right side with intracranial extension and extensive meningitis. The multifocal intraparenchymal lesions are likely secondary to parenchymal involvement in terms of encephalitis. Separate entity independent of the otitis such as inflammatory cerebrovascular or intraaxial neoplastic disease cannot be ruled out entirely but is thought less likely at this point. An MRI recheck could be considered after treatment of the otitis and meningitis.





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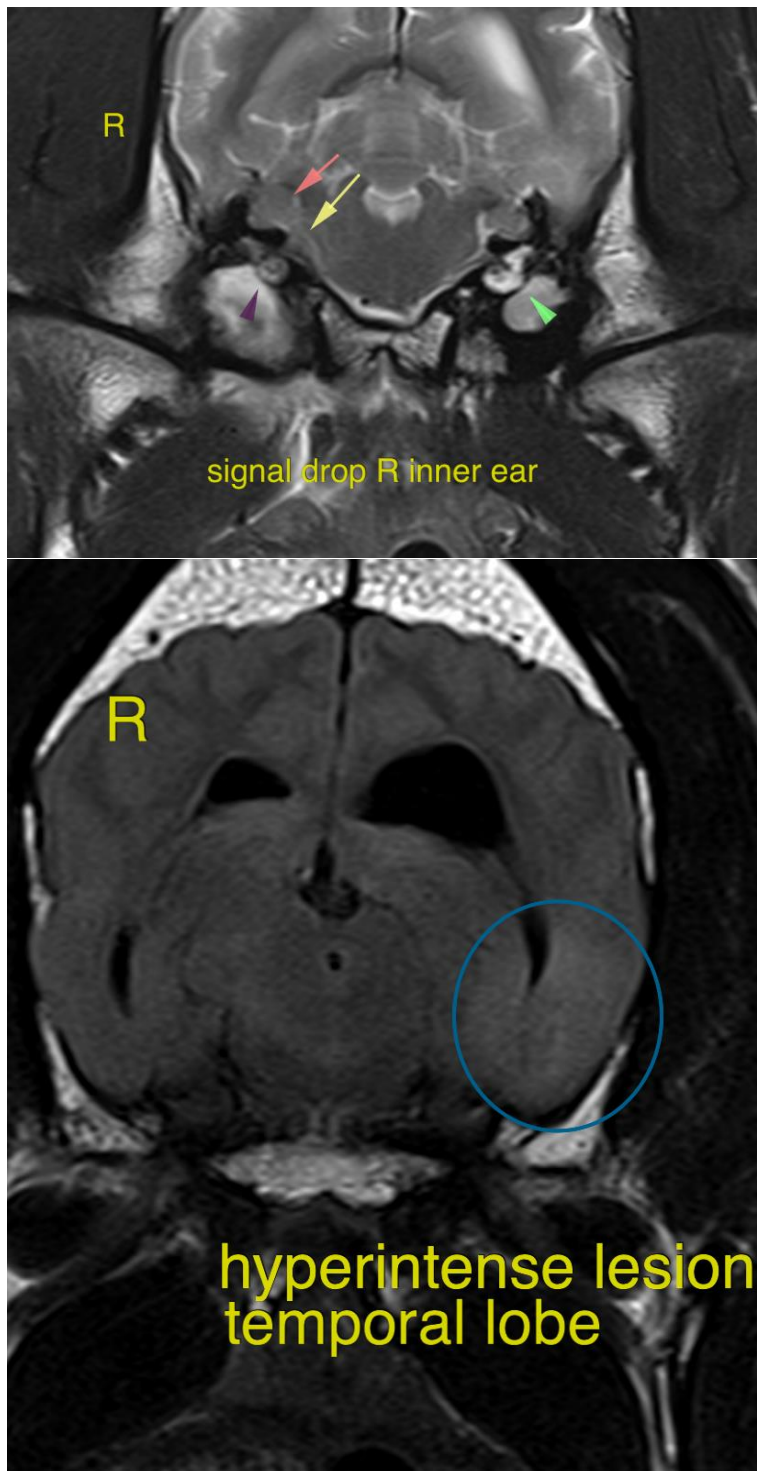
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Canine

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