



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Sapphire
Tulchenetska
SPECIES Canine
History: Sapphire, a 8 year old, MN French Bulldog, presented to the AHP Neurology Service on August 17, 2021 for evaluation of changes in behavior and turning in circles. Sapphire's clinical signs were first noted about two weeks ago and include circling, can't jump on the furniture. About 6 months ago he wouldn't go up the stairs. Sometimes he slides out at his back end. He has been noted to be sliding out on his back right leg. He will not jump up on couches.

MAGNETIC RESONANCE IMAGING STUDY OF THE HEAD

BREED French Bulldog
There is mild bilateral widening of the ventricles noted (2nd, 3rd). 2nd ventricles show a mild asymmetry with a wider ventricle on the right and distension up to the parietal region of the hippocampus. The subarachnoid space appears regular with unremarkable gyri.

SEX Neutered Male
All fluid sensitive sequences show a bilateral edema of the thalamus with subtle swelling involving the interthalamic adhesion, the rostral, medial and lateral nuclei, and presenting a caudal extension into the pontine region. Contrast enhancement is not recognized. Cranial nerves (especially VII./VIII.) are unremarkable. Fluid signal of the cochlea is bilaterally inconspicuous.

AGE 8 Years
White and grey matter are seen with clear definition. Pituitary gland is small and inconspicuous. Signs of a dilated central canal are missing. There is cerebellar herniation recognized.

The displayed parts of the tympanic bullae and external ear canals are inconspicuous. Musculature and tissues of the head/neck are bilaterally symmetrical and unremarkable.

INTERPRETED BY MAGNETIC RESONANCE IMAGING DIAGNOSIS

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

- Significant bilateral edema of the thalamus/brain stem with subtle swelling
- Mild and subtly asymmetric ventriculomegaly
- Cerebellar herniation

HOSPITAL NAME INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Animal Helath
Partners

The mild ventriculomegaly still is within normal breed-appropriate limits. Asymmetry could be an indirect sign for an obstructive lesion such as cerebellar herniation. However, additional syringohydromyelia is not detected, relevant obstruction therefore is unlikely. Cerebellar herniation is commonly seen with Chiari-like malformation.

REFERRING VET

Dr. Little

The detected edema of the thalamus is non-specific, multiple differentials are possible including a non-infectious inflammatory lesion (which I would favor) as seen for example with granulomatous meningoencephalitis. Initial and low grade intra-axial neoplasia shows similar findings and cannot be fully excluded. Regarding the clinical presentation and MR-morphology I would exclude infarction, hemorrhage and metabolic disorders.

INVOICE

12728

DATE

8/24/21



PATIENT

CSF sampling could be the next diagnostic step (cave herniation). A follow-up MR study in 6 weeks could be performed after initial therapy with prednisone/omeprazole/gabapentin/furosemide.

Sapphire
Tulchenetska

SPECIES

Canine

BREED

French Bulldog

SEX

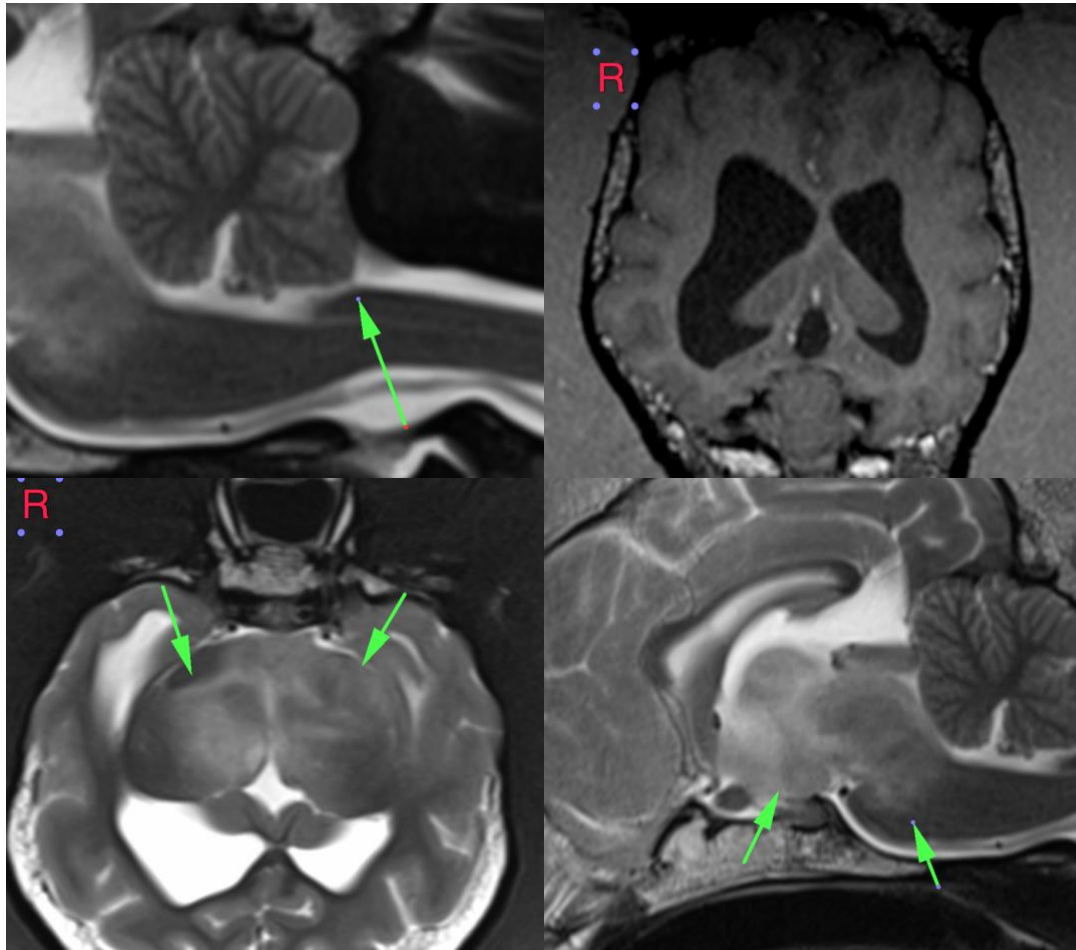
Neutered Male

AGE

8 Years

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HOSPITAL NAME

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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.

REFERRING VET

Dr. Little

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
info@sonopath.com

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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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SEX

Neutered Male

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8 Years

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