



PATIENT PRESENTING CLINICAL SIGNS

Coco Singh History Presented to AHP ER on Aug 18th for acute-onset cluster seizure, with 2 episodes noted within 24h Stuporous to comatose mentation with generalized myoclonic jerking on presentation, which did not resolve completely with neither Diazepam nor Midazolam IV bolus and CRI Metabolic etiology was most suspected give the diffusely symmetrical cerebral changes.

SPECIES

Canine

BREED

Maltese Mix

Metronidazole and lactulose were empirically administered but no response was noted. Bile acid level was within normal limits. Diagnostics MRI on Aug 19th revealed diffuse, bilateral, symmetrical cerebral atrophy with hyperintense cortical grey matter CSF: microprotein 35.89 mg/dL NH3 : 37 umol/L - WNL Bile acid: 13 umol/L - WNL Chemistry: mildly elevated ALT (217 U/L) , low urea (1.2 mmol/L), low creatinine (31umol/L), mild hypoglycemia

MAGNETIC RESONANCE IMAGING STUDY OF THE BRAIN

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

SEX

MN

AGE

3 Years

The MRI study reveals bilaterally symmetric volume loss of the cerebral cortex with diffuse and symmetric FLAIR and T2 grey matter hyperintensity. The affected areas are contrast negative. No additional lesions are seen in the thalamus, brainstem, and nuclei. The cerebellum presents within normal limits. Mild generalized widening of the csf spaces is seen.

The left tonsil presents mild cystic enlargement.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

MAGNETIC RESONANCE IMAGING DIAGNOSIS

- Diffuse cerebral encephalopathy with grey matter involvement and atrophy.

HOSPITAL NAME

Animal Health
Partners

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The MRI findings suggest presence of generalized cerebral atrophy with diffuse grey matter involvement. Owing to the symmetric distribution, metabolic, toxic, and neurodegenerative pathology are primary differential diagnoses. However, diffuse encephalitis cannot be ruled out as a potential differential diagnosis and further definition by means of csf analysis is recommended if not performed already.

REFERRING VET

Dr. Stephanie Lovell

INVOICE

53598

DATE

8-20-22



PATIENT

Coco Singh

SPECIES

Canine

BREED

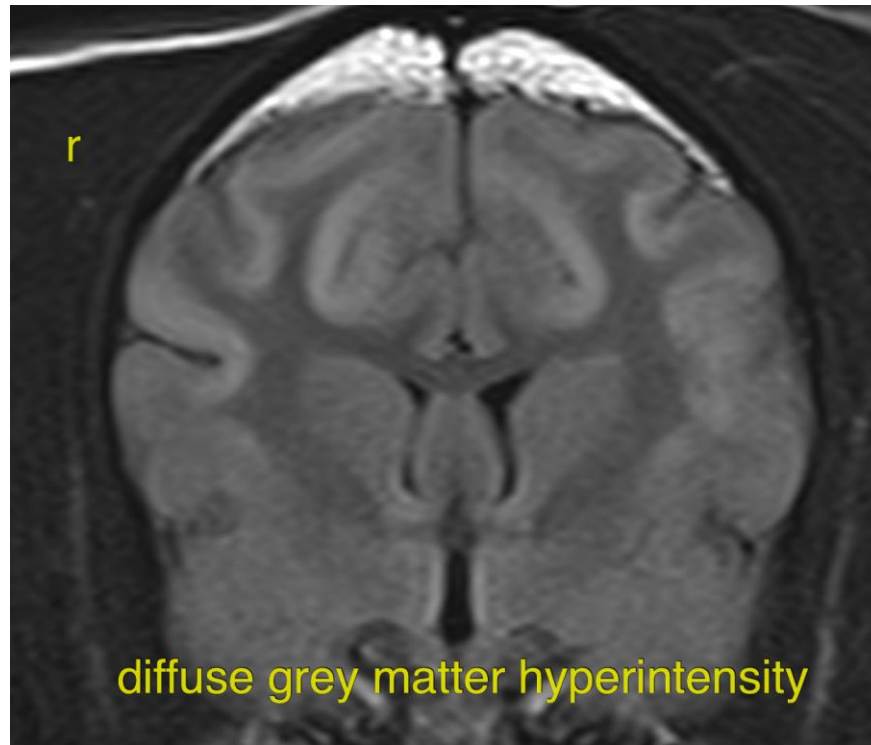
Maltese Mix

SEX

MN

AGE

3 Years



INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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.

HOSPITAL NAME

Animal Health
Partners

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

REFERRING VET

Dr. Stephanie Lovell

INVOICE

53598

DATE

8-20-22