



PATIENT

Mira Laliberte

PRESENTING CLINICAL SIGNS

Dome shaped skull with large open fontanelle. Breeder report that the puppy eats and drinks well, plays, gets out of bed to urinate and defecate in the same place on a pee pad. However she is slow and not as alert as other puppies. Questionable vision; recently crying all night when there are no lights on. On Omeprazole 5mg SID.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: PE: bilateral stellate shaped open fontanelles, connected at midline. Dome shaped skull and mild lateral exotropia OU.

BREED

Australian Shepherd

ULTRASONOGRAPHIC STUDY OF THE BRAIN

Cranial ultrasound through open fontanelle.

SEX

Female

ULTRASONOGRAPHIC FINDINGS

Severe bilateral lateral ventricular enlargement is seen with severe atrophy of the white and gray matter and flattened sulci and gyri of both cerebral hemispheres. The interventricular septum is interrupted. The interthalamic adhesion and thalamus is deviated ventrally and flattened. Supracollicular fluid accumulation is seen. The quality of the fluid is hypoechoic with multiple regular sized nonshadowing hyperechoic foci.

AGE

4 Weeks

ULTRASONOGRAPHIC DIAGNOSIS

- Severe hydrocephalus internus.
- Potential for altered quality of the csf.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The ultrasonographic study reveals severe hydrocephalus internus. Congenital obstructive hydrocephalus is considered by far most likely even though a site of stenosis or restriction cannot be demonstrated ultrasonographically. The degree of atrophy of the neuroparenchyma of the cerebral hemispheres is severe with flattening of the sulci and gyri which suggests chronically increased intracranial pressure and active distension of the ventricular system.

HOSPITAL NAME

Scanvet

The debris within the csf may indicate increased protein content or hemorrhage. Ventriculoperitoneal shunting can be performed in congenital hydrocephalus cases with a favorable long term prognosis. However, it is vital to rule out other concurrent pathology such as inflammatory/ infectious brain disease by csf analysis to identify suitable candidates for ventriculoperitoneal shunting.

REFERRING VET

Dr. Wilson

INVOICE

50707

DATE

3-3-22



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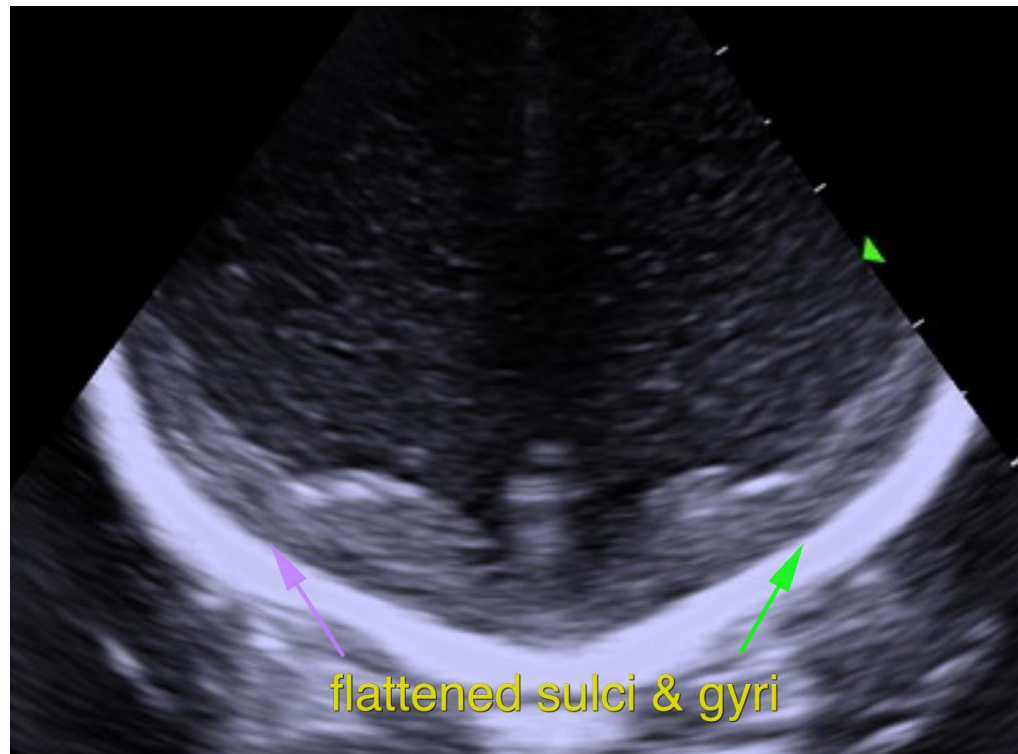
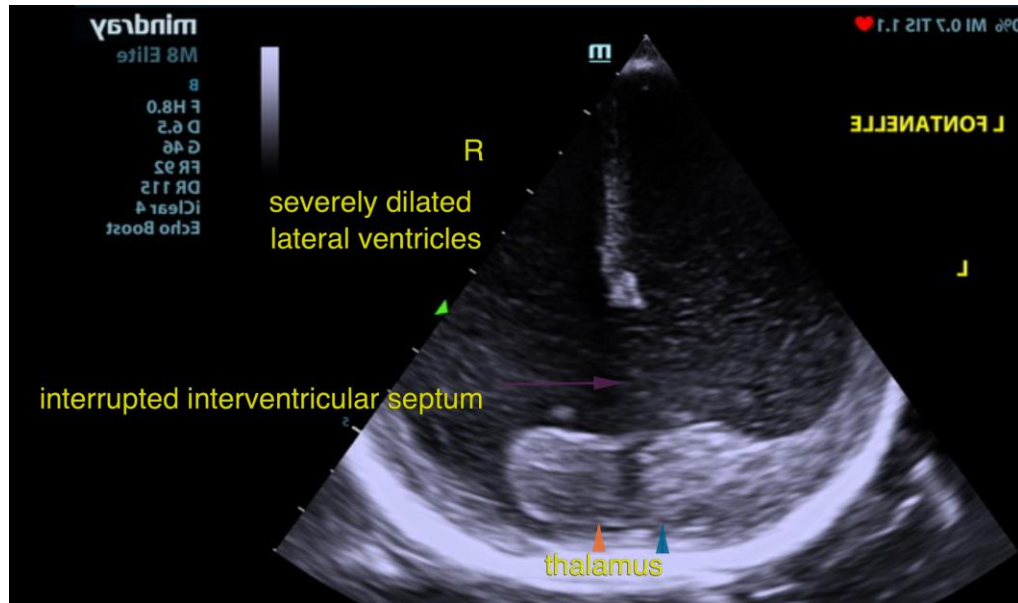
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

BREED

Australian Shepherd

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

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