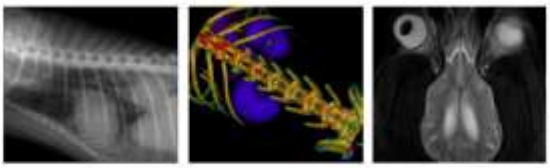
SonoPath Teleradiology

EDUCATIONAL TELECONSULTATION SERVICES™



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

PATIENT

Pancho Sebastion

SPECIES

Raccoon

BREED

Raccoon

SEX

Intact Male

AGE

~6 Months

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Mobile Pet Imaging

REFERRING VET

Meaux

INVOICE

47804

DATE

10-14-21

PRESENTING CLINICAL SIGNS

Seizures and ataxia. Negative for distemper. "Funny shaped" skull

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Significant asymmetry of the neurocranium is noted. The shape of the caudal fossa appears to be largely as expected, however, significant flattening of the convexity of the right half of the cranial fossa involving the rostral part of the super occipital and the entire length of the parietal bones appears to be present. Right frontal bone flattening, and asymmetry is seen as well.

There appears to be dilation of the lateral ventricles of the brain; however, the assessment of the neuroparenchyma is limited owing to the available contrast resolution.

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The salivary glands present within normal limits.

The visible dentition is within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Skull asymmetry restricted to the neurocranium.
- Suspect lateral ventriculomegaly of the brain.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals marked asymmetry of the neurocranium. There is no evidence of traumatic osseous injury or healing fractures which is why congenital/developmental disease is thought likely here, especially in combination with the suspected ventriculomegaly. Congenital malformation of the brain is a primary suspicion and may also be the underlying cause of the skull asymmetry since the formative pressure during the ongoing ossification may have been lacking. However, primary osseous malformation cannot be ruled out. The presence of hydrocephalus internus is suspected. A more detailed assessment of the tentative neuroparenchymal changes would, however, require further definition by means of an MRI.

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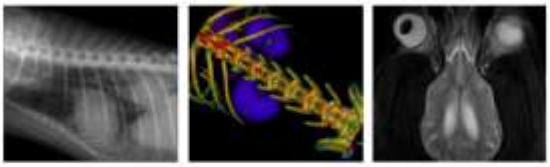

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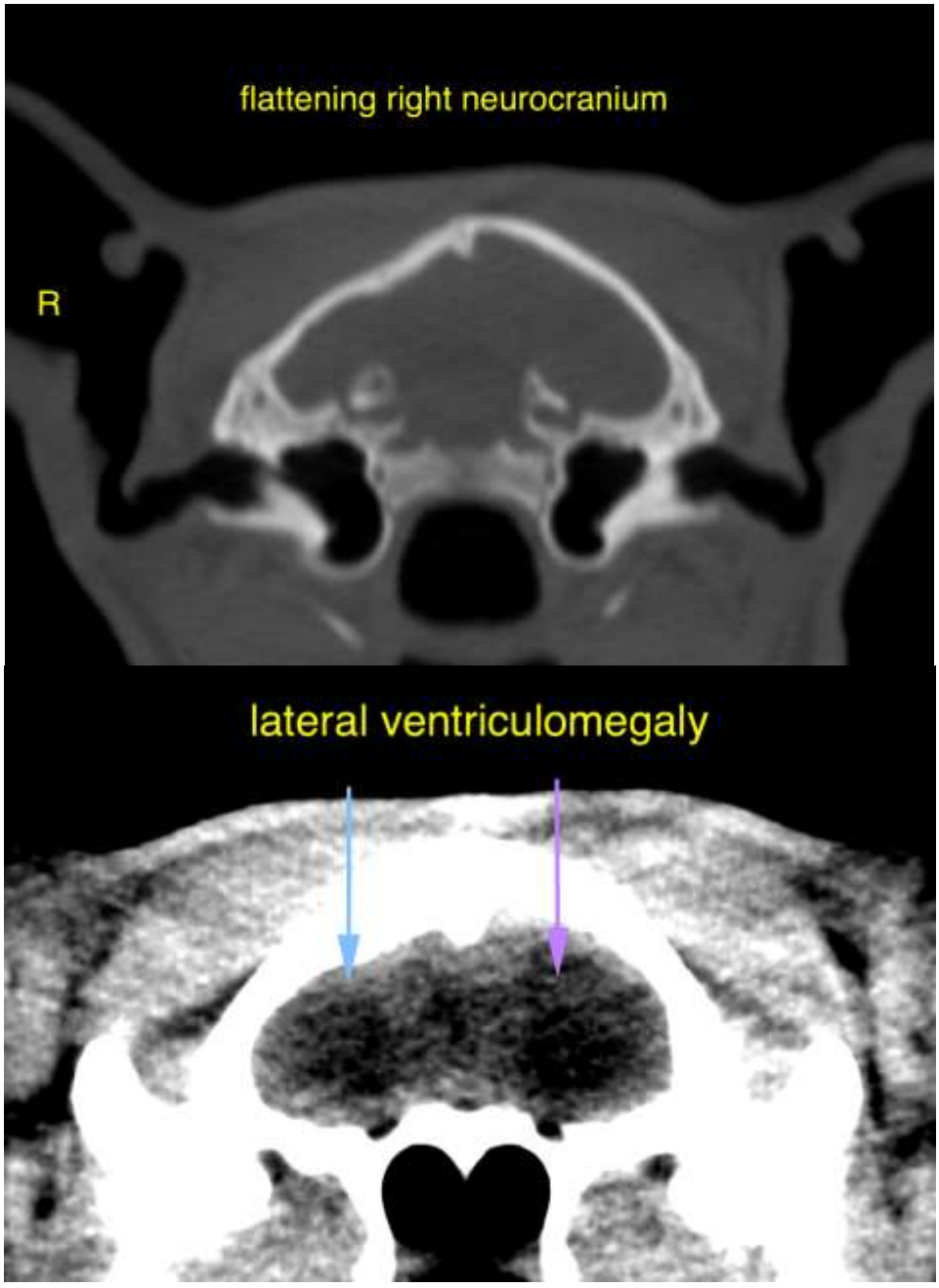

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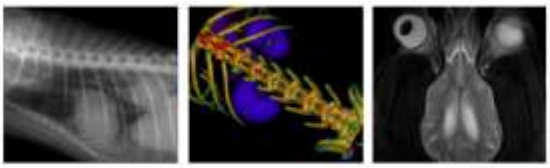

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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