

PATIENT PRESENTING CLINICAL SIGNS

Peanut Pablo p presented for evaluation after o states that P possibly had a seizure while they were sleeping . Pt had a Sz in hospital at 6:30AM

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

Canine A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED Skull

French Bulldog Multiple teeth are absent. A supernumerary triadan 102 & 202 is seen.

SEX The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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

AGE The right tympanic bulla is aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The left tympanic bulla is filled with non-contrast enhancing fluid material and the osseous wall is moderately thickened and irregular. The horizontal part of the left external ear canal is moderately thickened and contains fluid attenuating material. The external ear canals present moderate mineralization, L>R.

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INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Post contrast administration, in the rostral cranial fossa a midline shift of the falx cerebri to the left is seen. In the parenchyma of the right frontal lobe, a post contrast peripheral mild contrast enhancing roundish lesion is visible, measuring approximately 12 mm in diameter.

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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.

Thorax

Multifocal mild spondylosis formation is seen along the thoracic spine. At the lateral aspect of the right shoulder joint, a well-defined, roundish mineralized body is seen.

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The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits. A thymic remnant is seen in the cranioventral mediastinum.

The cardiovascular structures including the pulmonary vasculature are within normal limits.

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The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The lung parenchyma presents the expected architecture and attenuation behavior.

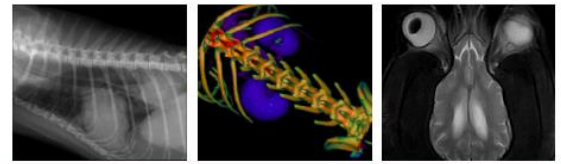
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Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or



PATIENT peritonitis.

Peanut Pablo Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

SPECIES The adrenal glands are within normal limits for size, shape and organ architecture.

Canine Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

BREED The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

French Bulldog The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

SEX The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

Male Neutered Multiple intervertebral discs along the thoracic spine are mildly bulging into the vertebral canal, distorting the ventral epidural space.

AGE Both coxofemoral joints present moderate to marked osteophyte new bone formation. The acetabular groove bilaterally is shallow and the center of the femoral heads is lateral to the dorsal acetabular rim.

9 **COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Intracranial intraaxial very mild peripheral contrast enhancing lesion right frontal lobe
- Left sided chronic otitis media
- Left sided otitis externa
- Dystrophic mineralization external ear canals bilaterally
- Multiple absent teeth
- Supernumerary 102 & 202
- Metaplasia joint capsule right shoulder joint
- Degenerative osteoarthritis coxofemoral joints bilaterally, due to hip dysplasia
- Multifocal mild intervertebral disc protrusions along the lumbar spine without compressive myelopathy
- Spondylosis deformans

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

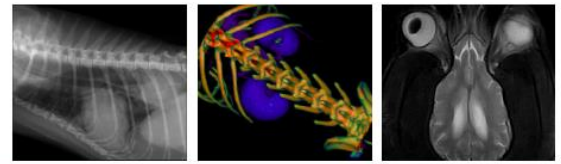
The intracranial intraaxial only very mild contrast enhancing lesion in the right frontal lobe is highly suggestive for intraaxial neoplasia – such as glioma. Theoretically meningoencephalitis of unknown origin (e.g. granulomatous meningoencephalitis) or infectious granuloma are differentials, but the odds are lower.

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57215 If not yet done so, the workup should be complemented by examination can be complemented by a CSF tap. An MRI study can be used as advanced imaging modality as well.

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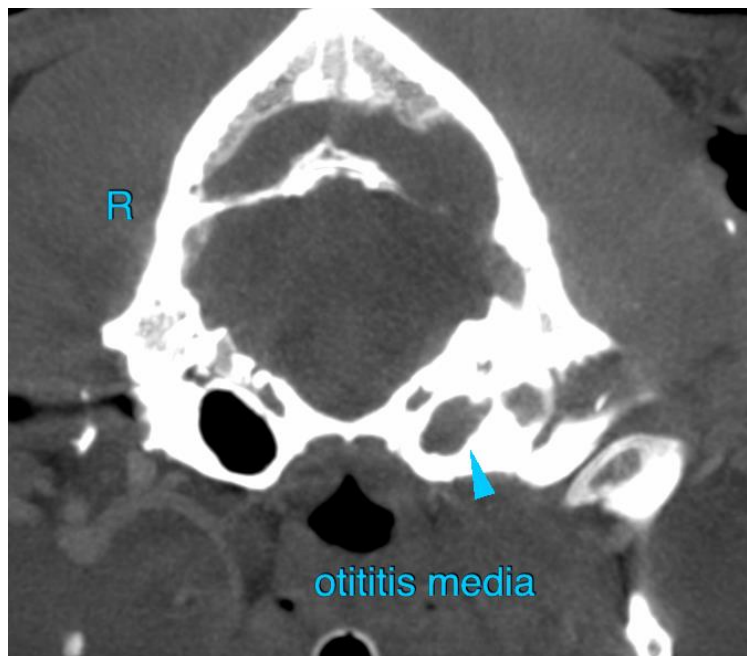
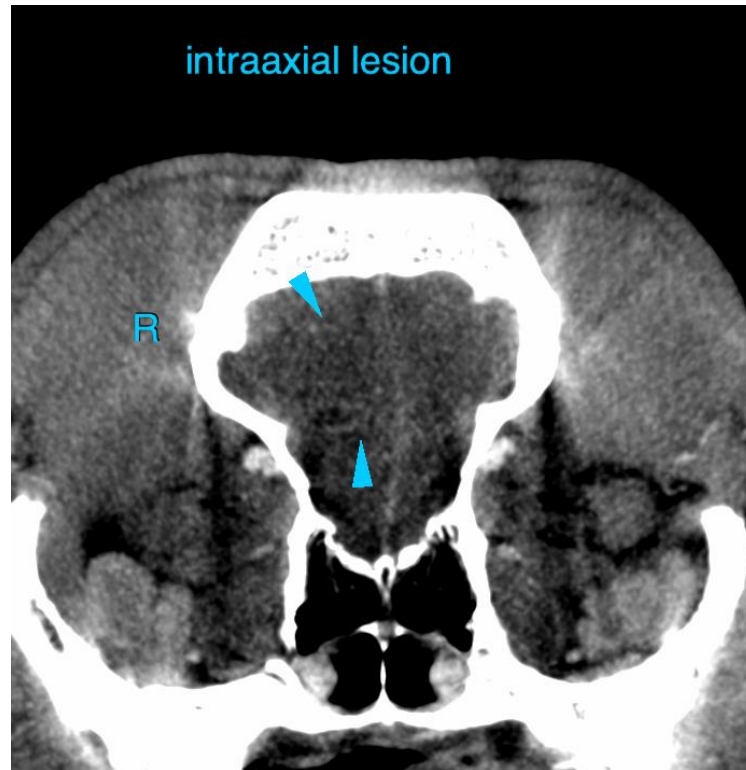
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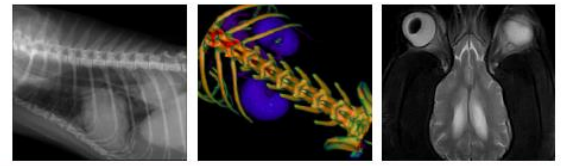
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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