



PATIENT

Heinrich Davis

PRESENTING CLINICAL SIGNS

rDVM found a swelling on the ventral neck at the level of the hyoid cartilages. FNA was inconclusive due to blood. X-rays showed no evidence of lung metastasis or other disease. No symptoms from the swelling at the moment.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Bloodwork and PE wnl.

COMPUTED TOMOGRAPHY OF THE SKULL

A pre- and post-contrast CT study of the skull including the neck in a bone and soft tissue reconstruction is provided for review.

BREED

German Shepherd

COMPUTED TOMOGRAPHIC FINDINGS

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

SEX

MN

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 ear canals are within normal limits.

AGE

8 Years

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The basihyoid bone presents advanced aggressive osteolysis and amorphous new bone formation with an associated ovoidal shaped soft tissue mass, measuring 3.0 x 4.3 x 5.8 cm in size. The margins of the mass are indistinct to the laryngeal structures. Post contrast administration the soft tissue mass associated with the basihyoid bone presents a heterogeneous contrast enhancement pattern.

HOSPITAL NAME

Bluegrass Veterinary
Specialists

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.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Monostotic aggressive osteolytic lesion basihyoid bone

REFERRING VET

Hammons

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The aggressive bone lesion of the basihyoid bone can present primary osseous neoplasia such as osteosarcoma, chondrosarcoma of the basihyoid bone. A differential is basihyoid thyroid carcinoma. Consider biopsy of the basihyoid mass for further definition. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist, surgery might be considered as option as well, but local invasive growth cannot be entirely ruled out.

INVOICE

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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.

SPECIES

Canine

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com

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