



**PATIENT PRESENTING CLINICAL SIGNS**

Cinnamon Gordon Presented to ophthalmologist. OS: Holding eye open. Moderate mucoid discharge. Firm swelling associated with region of ventral nasolacrimal duct/lacrimal sac extending to dorsal nasolacrimal duct with hyperemic mass (14mm) protruding through dorsal nasolacrimal puncta. Third eyelid mobile, gland of nictitans in place. Marked hyperemia and injection. Trace corneal edema and vascularization. Remainder as OD. Diagnosis: Nasolacrimal mass OS (r/o adenoma/adenocarcinoma vs SCC vs other)

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX**

**BREED**

Plain and post contrast studies of the head and post contrast study of the thorax available for review.

Basset Hound

**COMPUTED TOMOGRAPHIC FINDINGS**

**Head**

**SEX**

Intact Female

An approximately 10 x 13mm sized ovoid soft tissue attenuating mass is seen in the medial canthus of the left eye. Lesion margins are ill-defined and blend into the peripheral soft tissues which present moderate regional swelling with increased contrast enhancement. The osseous nasolacrimal duct however presents within normal limits and no evidence of aggressive osteolytic changes is seen.

**AGE**

6 Years

The regional lymph nodes present within normal limits.

There is no evidence of significant dental lesions.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

Both external auditory meatuses are narrow with thick irregular epithelial lining, multifocal osseous metaplasia, and increased contrast enhancement. A mild amount of hypoattenuating material is seen in the medial aspect of the lumen of both external auditory meatuses.

**Thorax**

**HOSPITAL NAME**

Mobile Pet Imaging

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 are uniform and considered within normal limits.

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

**REFERRING VET**

Meaux

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.

**INVOICE**

55060

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

**DATE**

11-8-22

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with diffuse regional soft tissue swelling in the medial canthus of the left eye.
- Chronic bilateral otitis externa.
- No evidence of metastatic disease of the regional lymph nodes or lung.



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**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings appear to correlate with the clinical history of the patient and a soft tissue neoplasia in the medial canthus of the left eye is considered likely based on the imaging findings. Differential diagnosis includes adenoma, adenocarcinoma, other carcinoma, and less likely round cell neoplasia or mesenchymal neoplasia. Final diagnosis will require tissue sampling for histology. There is no evidence of bone involvement however the lesion margins of the soft tissue mass are hard to define because of the extensive peripheral soft tissue swelling with increased contrast enhancement which the lesion blends into directly.



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 (Ondreka)**, 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