

Veterinary Computed Tomography Center

Case code	540
Pet name	Katkot
Sex/ Age	male/ 10 years
Species	Feline
Area of scan	Head
Contrast	without
History	Nasal mass
Referring clinic	Dr Paws
Veterinarian	Dr/ Shaimaa Ayman
Date	15/10/2024

CASE REPORT

Scan findings:

- **Brain:**
 - Normal anatomy and morphology of the cerebrum, cerebellum, and brain stem are observed without any focal lesions.
 - No intra or extra-axial masses, collections, or vasogenic edema identified.
 - The ventricles are normal without ventriculomegaly or hydrocephalus.
 - There is no midline shift or mass effect and the midline structures are normal.
 - No pituitary masses or cysts seen.
- **Nasal cavity and paranasal sinuses:**
 - Scan Shows severe soft tissue swelling with complete obliteration of left rostral nasal cavities. A heterogenous hyperdense ill demarcated mass is present on the left side and displaces the nasal septum to the right. it measures approximately 1.46cm by 5.8mm.
 - Another well-defined hyperdense mass located within the left middle nasal cavity . it measures approximately 8.37mm by 5.78mm.
 - Moderate destruction of turbinate bone of rostral left nasal cavity with marked destruction and deviation of the nasal septum.
 - Sever osteolysis and periosteal productive response affect the left nasal bone.
- **Oral cavity and mandible:**
 - Vestibular and oral cavity proper appear normal. The hard palate and soft palate are within normal limits.
 - No evidence of bony irregularity in articular margins or subluxations with temporomandibular joint observed.
- **The orbits, the lacrimal system, and salivary glands:**
 - The orbits ,ocular globe (intra-ocular structure and conjunctiva), and ocular adnexa have normal anatomical features.
 - The nasolacrimal apparatus and lacrimal system are unremarkable.
 - The salivary glands (zygomatic, parotid, and sublingual) are without detected lesions. No sialoceles or sialolithiasis was seen.
- **The external, middle, and inner ear :**
 - Vertical, horizontal ear canal and tympanic cavity are clear without collections or masses.
 - No bony changes in tympanic bulla and auditory ossicles (malleus, incus and stapes).
- **Skull:**
 - No fractures or other obvious lesions were seen.
 - Calvarium and zygomatic arch show normal with No bony abnormality seen.
- No evidence of lymphadenopathy.

➤ **Impression and opinion:**

Based on the scan findings, it is clear that the head CT scan shows a left ill-defined nasal mass with bony reaction occupying the rostral left nasal cavity, indicating nasal neoplasms as (SCC) . Additionally, a well-defined mass was detected in the middle left nasal cavity, suggesting a continuation of neoplasm or nasal polyp. It is imperative to proceed with fine needle biopsy and rhinoscopy to conclusively investigate and confirm these pathological findings.

Dr/ Omar Elmasry

Medical Director of the VCTC

Dr/ Ahmed Elnabrawy

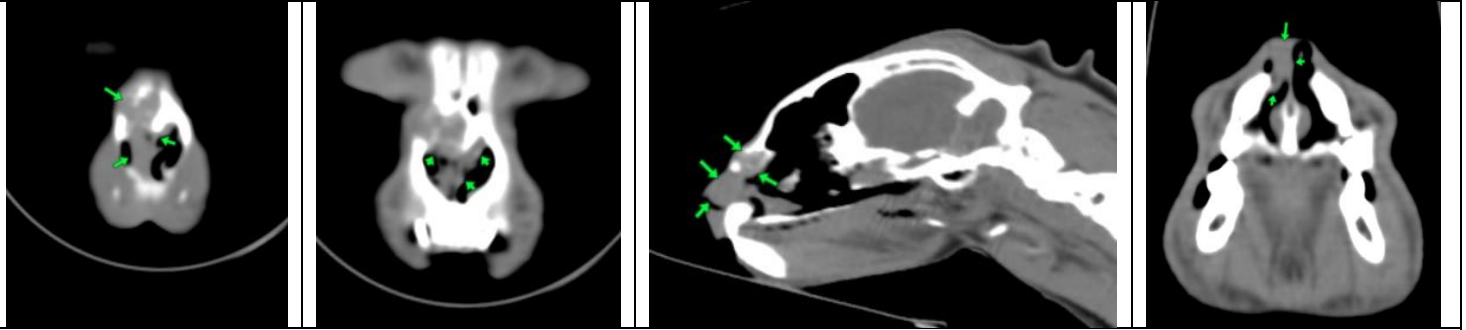
Founder of the VCTC

Dr/ Mafdy Ayad
Operation of VCTC

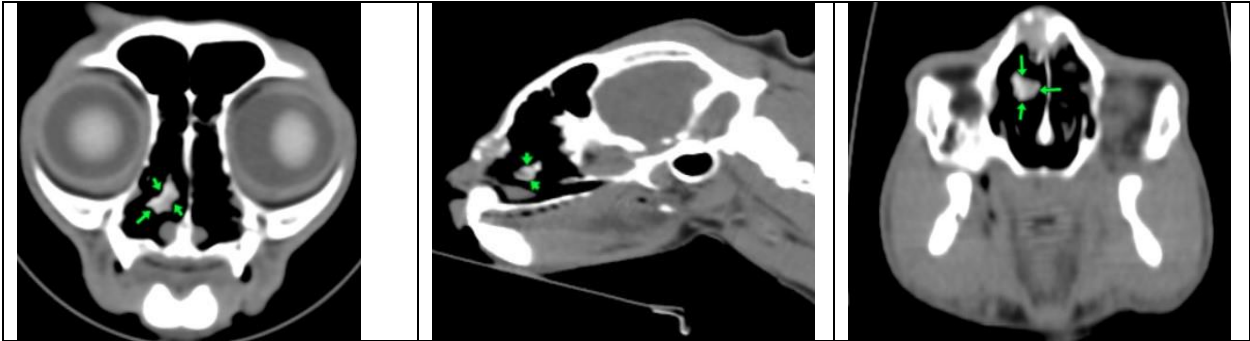
For any inquiries regarding the findings in the report please contact us or email on the below details.

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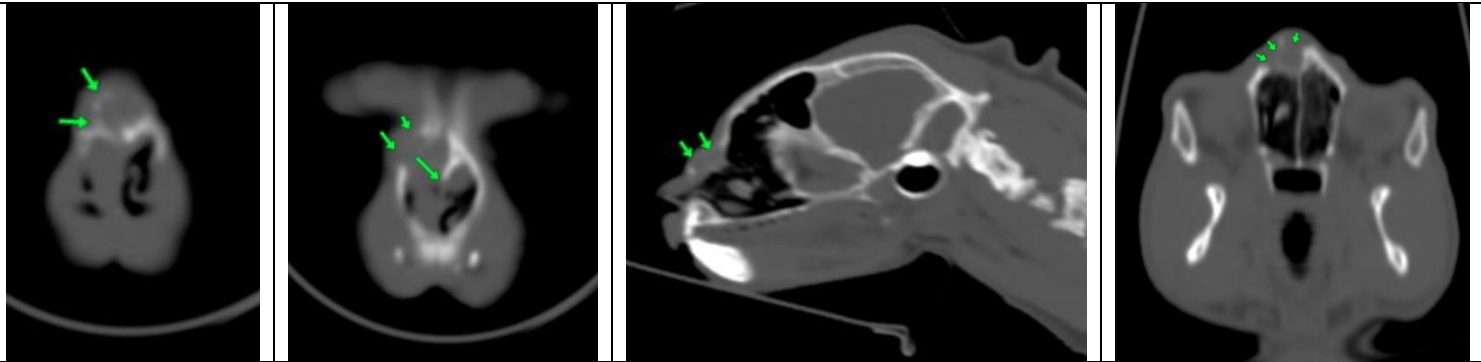
Email: veterinaryctcenter@gmail.com



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