



**PATIENT PRESENTING CLINICAL SIGNS**

Theo Johnson Chronic history of nasal and ocular discharge. Diagnosed with rhinitis at 2 years old. Left side worse per owner.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Feline A pre- and post-contrast CT study of the head are provided for review totaling two series. One pre-contrast series and one post-contrast series.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

DSH There is multifocal hypoattenuating fluid material, mucosal enhancement, and moderate loss of the turbinate architecture overlapping a hypoattenuating mass effect in the right\* nasal cavity. The mass effect in the right side causes a nasal septum shift to the left. The mass effect is mixed with another change, surrounded by fluid accumulation and due to this, there are no distinct margins. Mild hypoattenuating fluid material is seen within the left nasal cavity.

**SEX**

NM

The right frontal and sphenoidal sinuses are completely filled with hypoattenuating fluid material accumulation. The left frontal sinus has a ventral dependent hypoattenuating fluid material accumulation.

**AGE**

7 Years

Mild hypoattenuating fluid material is seen within the choana.

The nasopharynx and larynx are normal.

**INTERPRETED BY**

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The cribriform plate is intact.

There is no evidence of osteolytic changes in the adjacent nasal and frontal bones.

The facial and calvarium bone structures are mildly asymmetrical and could be correlated to incidental congenital abnormalities, or less likely positional artifact.

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The tympanic bullae and external auditory canals are unremarkable.

No mass effect is seen in the brain or abnormal enhancing.

**REFERRING VET**

Samantha Parkinson

The temporomandibular joints are bilaterally congruent.

The globes and retrobulbar spaces are unremarkable.

All teeth are present and unremarkable.

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The retropharyngeal lymph nodes are mildly enlarged and mildly heterogeneous.

The mandibular lymph nodes are unremarkable.

**DATE**

7-11-23



**PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Theo Johnson
- Predominantly and more severe at the right\* side, chronic destructive rhinitis with ill-defined mass effect and fluid accumulation. The differential diagnosis includes severe fungal rhinitis, severe lymphocytic-plasmocytic rhinitis, or nasal neoplasm for example, lymphoma. Concurrent fluid accumulation and secondary bacterial rhinitis could be considered.
- SPECIES**
- Concurrent sinusitis (> Right side).
  - Bilateral retropharyngeal lymphadenitis, reactive, or less likely metastatic.
- Feline

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- BREED** Bilateral destructive rhinitis is seen and is more prominent on the \*right side. The differential diagnosis includes chronic severe fungal rhinitis, viral rhinitis, inflammatory lymphocytic plasmocytic, and concurrent bacterial. An overlap between neoplasia and destructive rhinitis exists, especially due to mass effect characteristics. However, there is no evidence of osteolytic changes, bone interruptions, or signs of infiltration in the adjacent structures. Considering the chronicity of the process and the absence of signs of invasion in adjacent structures, fungal rhinitis is the principal differential diagnosis. A nasal flush biopsy is suggested for confirmation.
- DSH
- SEX**
- NM

\*The more evident right-side lesion is not clearly correlated to the present history and owner complaint. Consider the possibility of switched laterality marks on the tomographic exam.

**AGE**

7 Years

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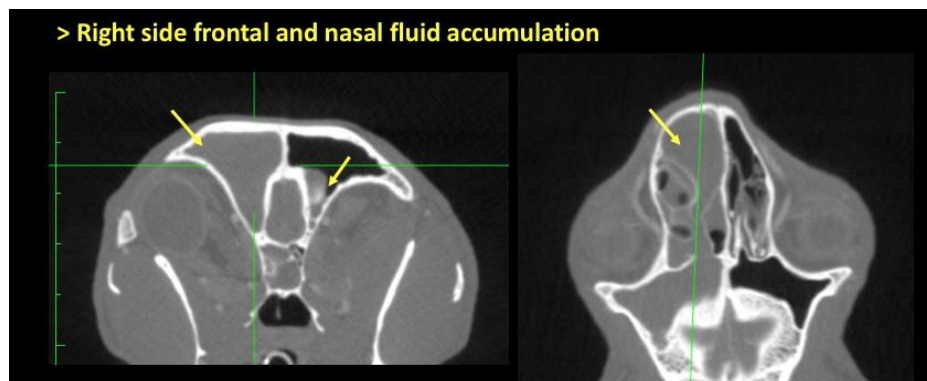
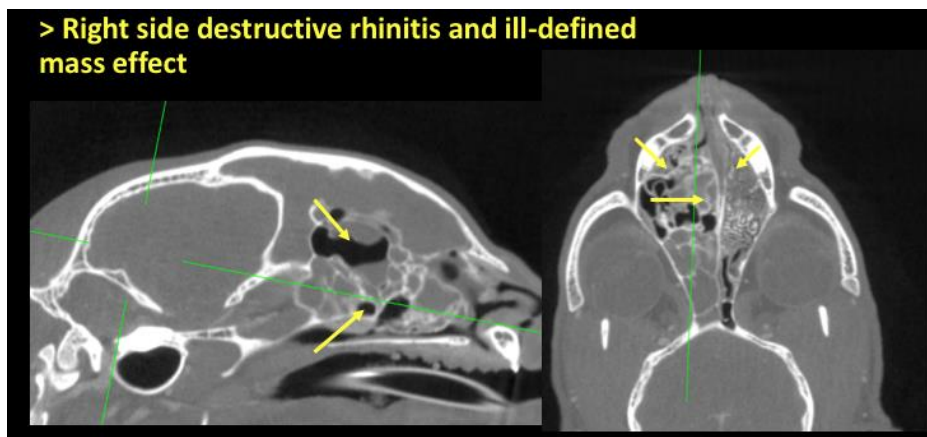
Samantha Parkinson

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**PATIENT**

Theo Johnson

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.

**SPECIES**

Feline

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.

**Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet**  
info@sonopath.com

**BREED**

DSH

**SEX**

NM

**AGE**

7 Years

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