



PATIENT PRESENTING CLINICAL SIGNS

Misty Castelli Lungs clear/eupneic, no crackles/wheezes auscultated dry crusty discharge right nostril. right nasal discharge/ congested r/o neoplasia vs FB, vs fungal infection vs others

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE THORAX and HEAD

Canine Plain and post contrast studies are available for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED

HEAD

Portuguese Water Dog

A 7 by 3 cm size irregular shaped and ill-defined soft tissue attenuating mass occupies the right nasal cavity, extending into the right orbit, onto the bridge of the nose, into the left nasal cavity and into the cranial vault. Extensive turbinate destruction and aggressive bone lysis are noted, including the right nasal maxillary, palatine, frontal bones as well as the right orbit and cribriform plate. Heterogeneous contrast enhancement is seen.

SEX

FS

The right retropharyngeal lymph node is moderately enlarged, measuring 2.5 cm in diameter and presenting non-uniform contrast enhancement.

AGE

THORAX

12

Multiple variably sized soft tissue attenuating pulmonary nodules of up to 2 cm diameter are seen bilaterally.

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
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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 are uniform and considered within normal limits.

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.

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

REFERRING VET

Kam

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Right nasal soft tissue mass with aggressive biological behavior and orbital and intracranial extension
- Right retropharyngeal lymphadenopathy compatible with metastatic spread
- Multiple pulmonary nodules highly suggestive of metastatic disease

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INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS



PATIENT

Misty Castelli

The imaging findings indicate a highly aggressive nasal neoplasia with local invasion including right orbital and cranial extension, regional lymph node involvement and pulmonary metastasis. Differential diagnosis includes primary nasal carcinoma, which is considered most likely. Other neoplasia and pharyngeal rhinitis are by far less likely but cannot be completely excluded.

SPECIES

Canine

The findings of the right retropharyngeal lymph node and lung are compatible with metastatic disease and should be considered so until proven otherwise.

BREED

Portuguese Water
Dog

The prognosis is guarded to poor. Curative surgery is not possible. Treatment options are limited to palliative. Definitive confirmation of diagnosis may be sought by nasal biopsy and FNA of the right retropharyngeal lymph node.

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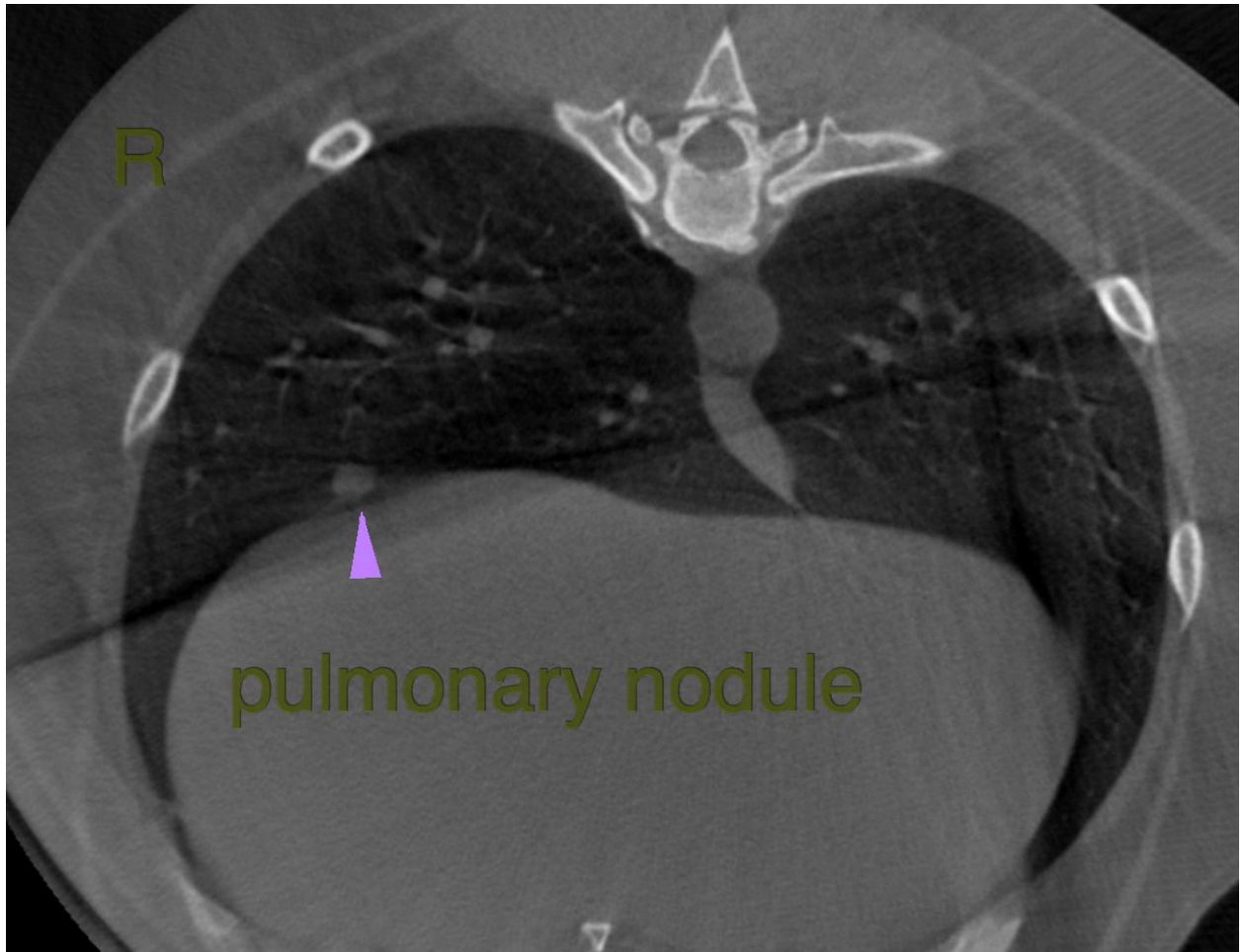
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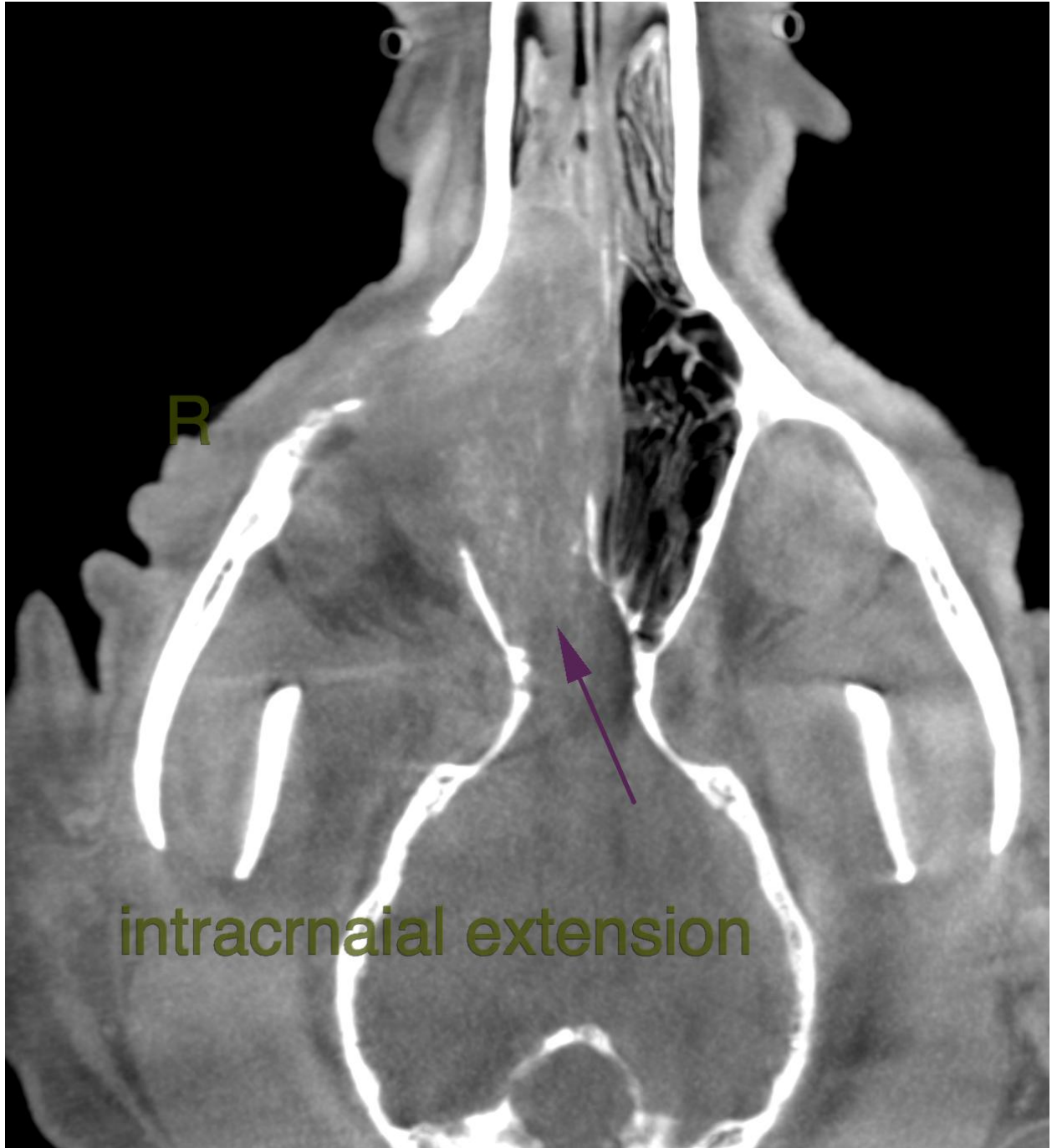
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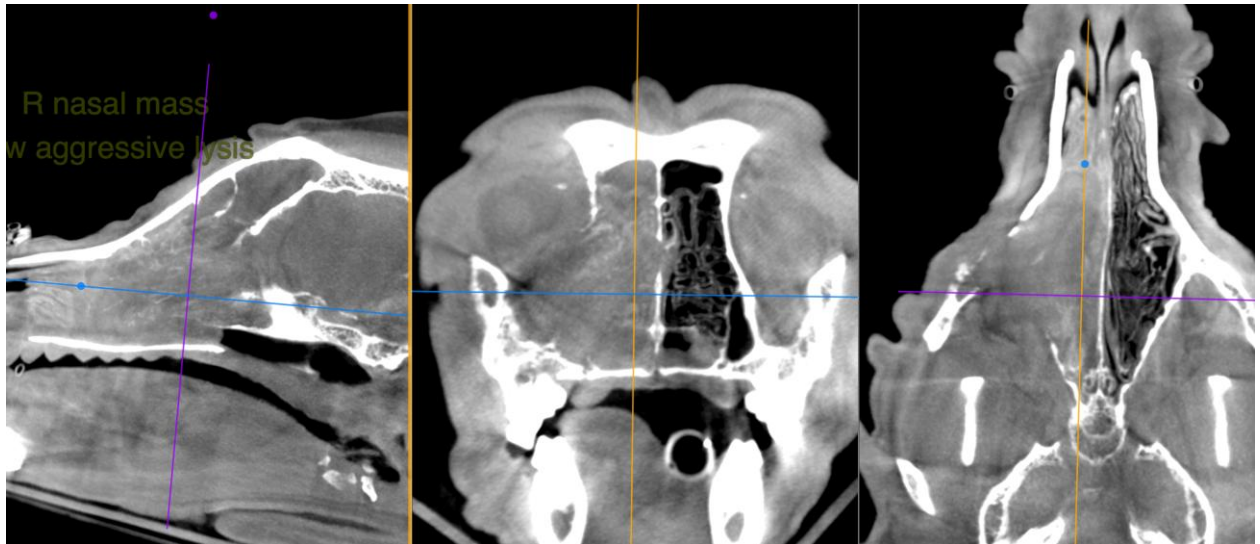
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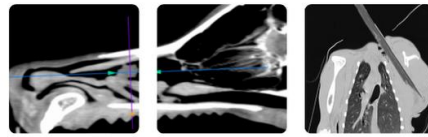
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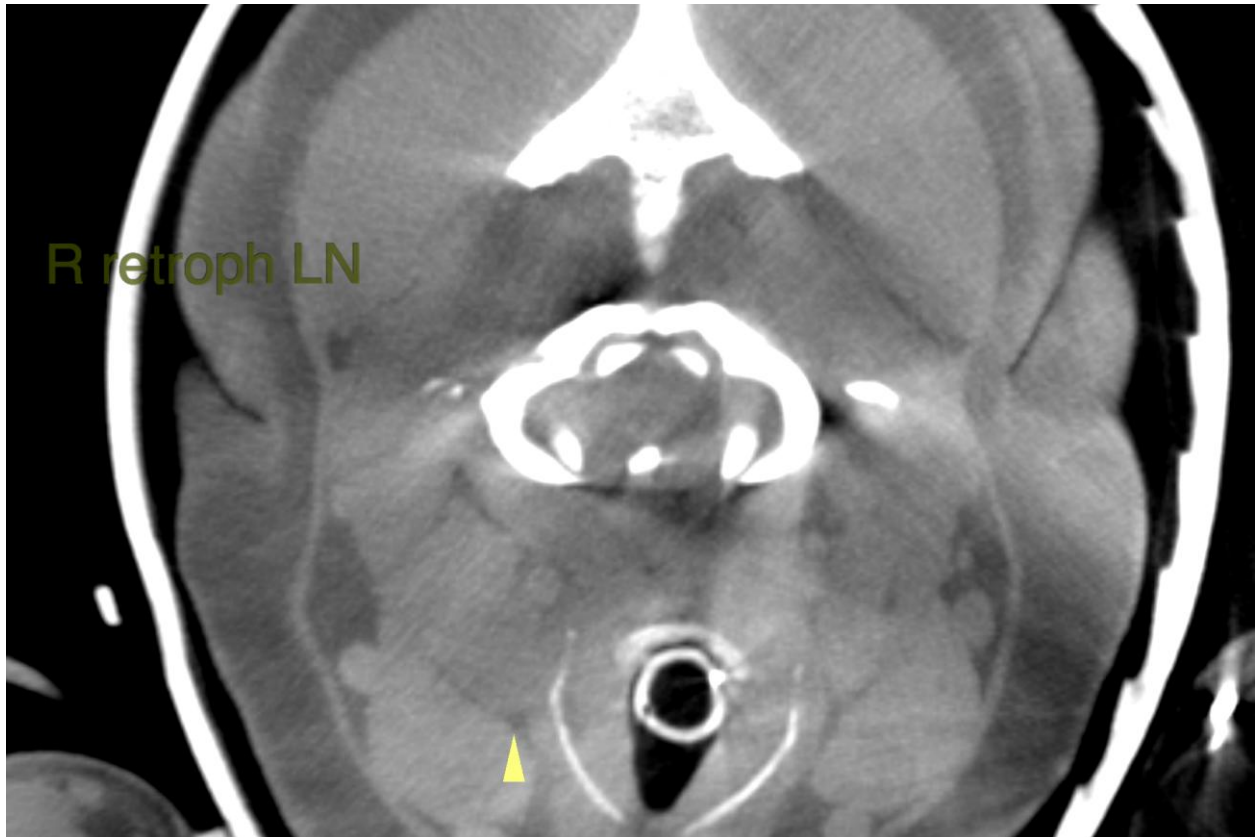
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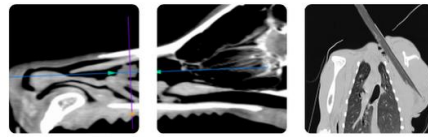
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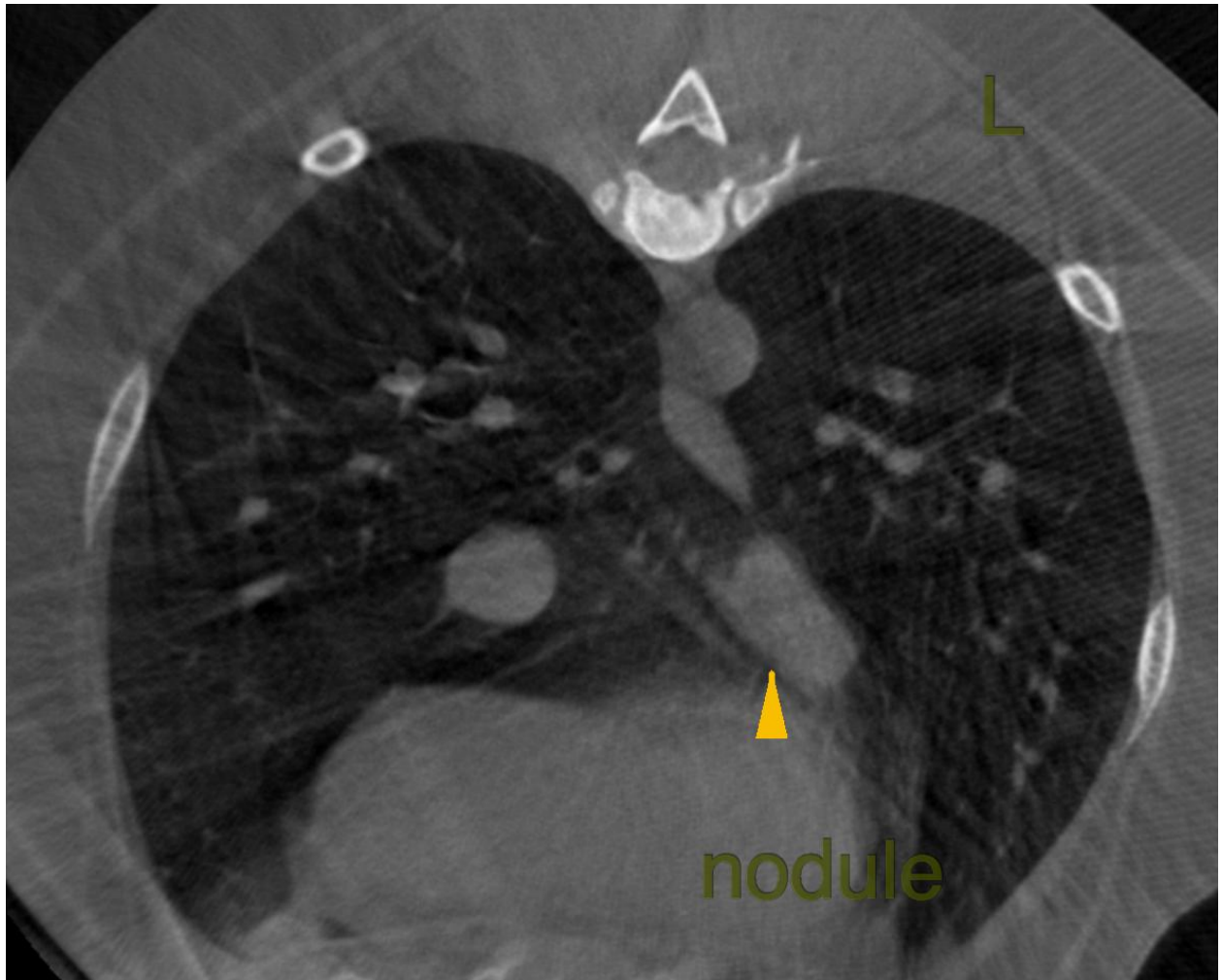
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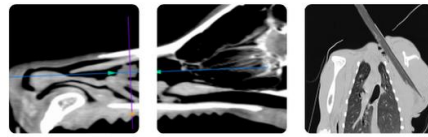
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

BREED

Portuguese Water
Dog

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