



PATIENT PRESENTING CLINICAL SIGNS

Gilly Forbes
SPECIES Canine
BREED Irish Setter
SEX Male Intact

Gilly presented with a 3 week history of a rapidly growing mandibular mass between the right lower canine and 2nd pre-molar. The mass was biopsied on 1/5/23 and histopathology reported spindle cell malignancy; probable oral fibrosarcoma. Chest radiographs are negative for pulmonary nodules. The tumor has been growing quickly and ruptured 2 days ago. The owner says it has a fowl smell. Energy levels are great. Appetite is great. The owner is interested in pursuing surgery/radiation depending on prognosis.

Abnormal PE/Chem/CBC/UA Results: PE: ****Oral Cavity:**** Abnormal; mucous membranes pink: Large mass arising from right rostral mandible, ulcerated, halitosis Lab: Blood work is dated 1/12/23. CBC - PCV = 55.97%, WBC = 8000, neutrophils = 5510, lymphocytes = 2120, monocytes = 270. Platelets = 251,000. Chemistry - ALP = 670, all else normal. Urinalysis - not provided. Surgery: Surgery: The right mandibular fibrosarcoma is debulked down to microscopic disease. Using Coblation, margins of the mass are transected 360-degrees around the mass. The bulk of the mass is removed with digital blunt dissection. All visible mass tissue is removed leaving a cavitation. The right lower canine root is exposed due to bony destruction of the mandible. The right 2nd premolar is extracted. The site is closed with intact healthy appearing gingiva using 2-0 gut in a simple interrupted pattern.

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

AGE 8 Years

A high resolution pre- and post-contrast CT study of the skull and abdomen and a plain CT study of the thorax are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

Skull

The rostral segment of the body of the right mandible, level with triadan 404 to 406 presents an ill-defined zone with advanced aggressive osteolysis and destruction of the lateral aspect of the cortex at the same level. A heterogeneous contrast enhancing soft tissue mass is centered on the osteolytic zone of the right mandible, measuring 5.0 x 3.6 x 4.8 cm in size. Triadan 405 and 406 are displaced by the mass.

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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.

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.

The right medial retropharyngeal lymph node is prominent in comparison to the contralateral lymph node.

Thorax

Multiple lipomas are seen along the thoracic and abdominal wall.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

HOSPITAL NAME

VetMed Consultants

REFERRING VET

Nathan Cox

INVOICE

56183

DATE

1-16-23



PATIENT

Gilly Forbes

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation pattern is uniform.

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

SPECIES

Canine

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.

BREED

Irish Setter

The lung parenchyma presents the expected architecture and attenuation behavior with randomly distributed interspersed punctuate mineralization and small zones of dystelectasis of the lung parenchyma.

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

SEX

Male Intact

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

AGE

8 Years

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

The adrenal glands are within normal limits for size, shape and organ architecture.

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Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Nathan Cox

- Monostotic aggressive osteolytic lesion with associated soft tissue mass rostral segment right mandible
- Mild lymphadenopathy right medial retropharyngeal lymph node
- Multiple lipomas along the thoracic & abdominal wall
- Pulmonary osteomas
- Small zones of dystelectasis of the lung parenchyma
- No evidence of pulmonary metastatic disease
- Normal abdomen

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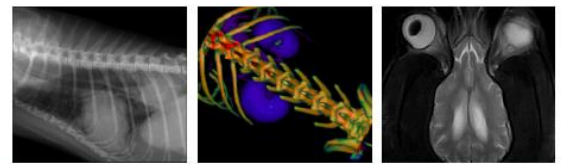
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The right mandibular mass is fitting the history of suspected spindle cell tumor. Complete surgical excision of the mass by right rostral hemimandibulectomy is considered feasible – osteotomy lines should be distal to triadan 408 and may include the rostral segment of the left mandible as well with the osteotomy being positioned level between triadan 305/306 or 306/307.

Consider (ultrasound guided) FNA sampling of the right medial retropharyngeal lymph node to screen for metastatic disease.



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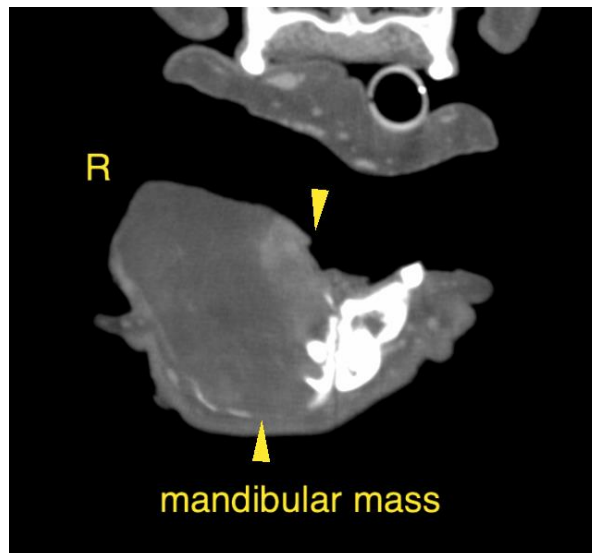
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

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