



**PATIENT PRESENTING CLINICAL SIGNS**

Bella Turco Bony protruberance OS. Hx of not eating nor drinking.

**COMPUTED TOMOGRAPHY OF THE SKULL AND ABDOMEN**

**SPECIES** A high resolution pre- and post-contrast CT study of the skull and abdomen are provided for review.

Canine **COMPUTED TOMOGRAPHIC FINDINGS**

Skull

**BREED** Parts of the crown of triadan 202 are absent exposing the pulp cavity to the dental surface.

German Shepherd Centered on the left maxillary bone, level with the junction with the zygomatic bone, an expansile cauliflower like mineralizing mass, measuring 3.5 x 2.2 x 3.4 cm in size is seen. The mass is bulging equally into the nasal cavity and the subcutaneous tissue at the same level. Caudally the mineralizing mass is bulging into the left orbit and the left ocular bulb is deviated dorsally and rostrally. The left maxillary bone presents focal aggressive osteolytic lesions. Level with the mass localized destruction of the nasal conchal structures is noted.

**SEX**

Spayed Female

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

**AGE**

10 Years

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 wall of the right tympanic bulla is moderately thickened and smooth. The external ear canals are within normal limits.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

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The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Abdomen

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

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.

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

The liver presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

**DATE**

7-14-22

Originating from the caudal extremity of the spleen, a uniform soft tissue attenuating and heterogeneous contrast enhancing ovoid mass is seen, measuring 11.5 x 7.9 x 9.9 cm in size. The surrounding peritoneal fat presents mild fat-stranding.

Level with L4, a well-defined soft tissue attenuating nodular is noted in the left dorsal aspect of the peritoneal cavity, measuring 8 mm in diameter.



**PATIENT** The gallbladder contains a moderate amount of hyperattenuating, gravity dependent biliary sludge.

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

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

Canine Multifocal moderate spondylosis formation is seen along the lumbar spine.

Both coxofemoral joints present mild osteophyte new bone formation.

**BREED COMPUTED TOMOGRAPHIC DIAGNOSIS**

- German Shepherd
- Polyostotic aggressive osteoproliferative mass left maxillary/zygomatic bone
  - Splenic soft tissue mass with surrounding mild peritonitis
  - Solitary peritoneal nodular lesion

- SEX**
- Biliary sludge
  - Mild degenerative osteoarthritis coxofemoral joints bilaterally
  - Spondylosis deformans

Spayed Female

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**  
10 Years  
The expansile mineralizing mass at the left aspect of the midface is compatible with primary tumor of bone and potentials include osteosarcoma, chondrosarcoma, multilobulated osteochondrosarcoma, squamous cell carcinoma. FNA sampling ± biopsy can be used as advanced diagnostic tool. The chances of surgical management or radiation therapy can be discussed with oncologist, based on the results of the advanced diagnostic test.

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Potentials for the splenic mass include neoplasia (e.g. hemangiosarcoma, round cell tumor), nodular hyperplasia or hematoma. The mild surrounding peritonitis can indicate mild hemorrhage of the mass. Splenectomy would be the therapy of choice.

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The peritoneal nodule can present a Splenunculus, enlarged lymph node or granuloma.

Consider complementing workup by 3-view thoracic radiographs.

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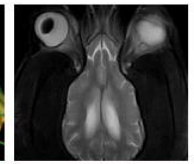
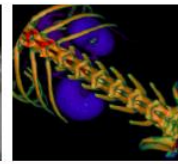
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**PATIENT**

Bella Turco

**SPECIES**

Canine

**BREED**

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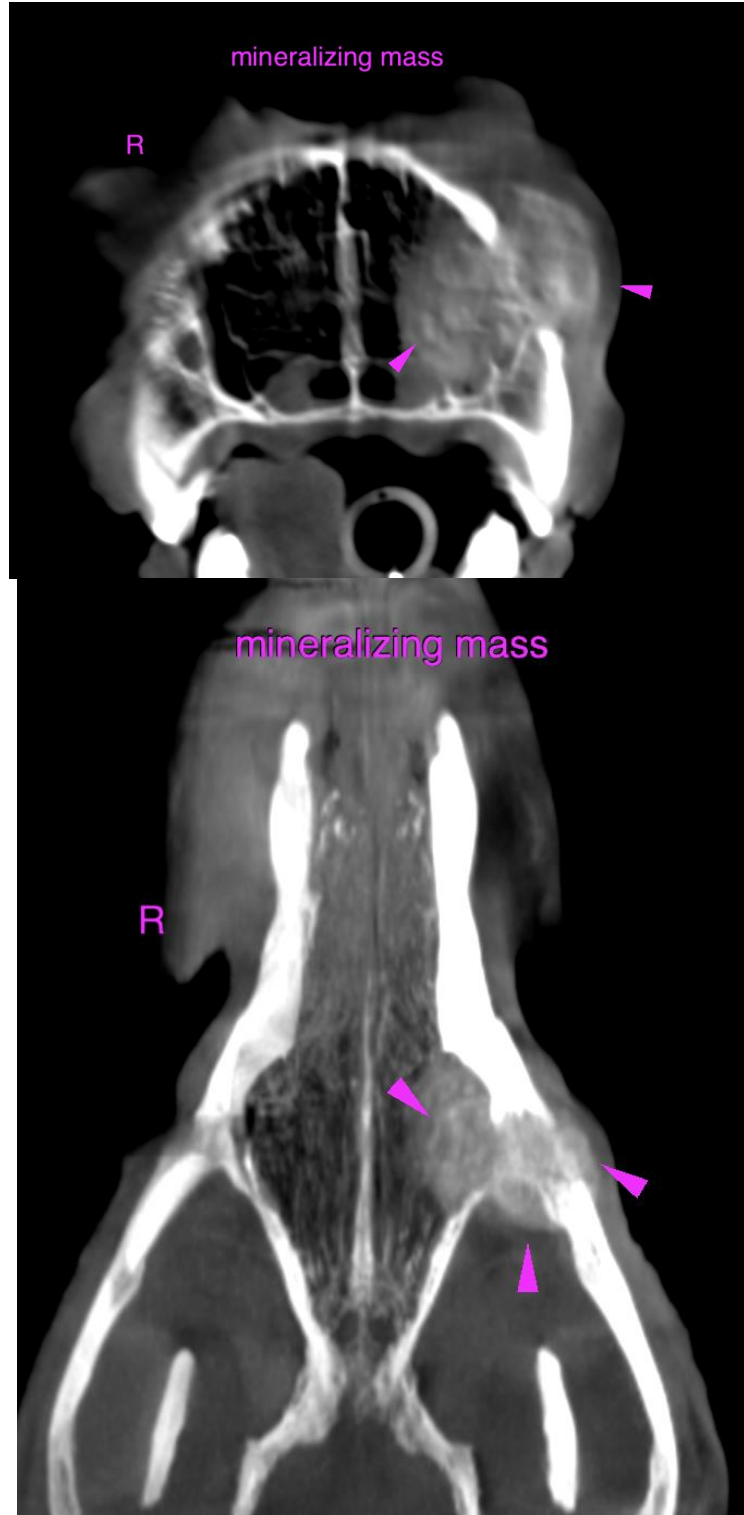
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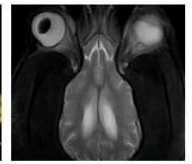
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**SPECIES**

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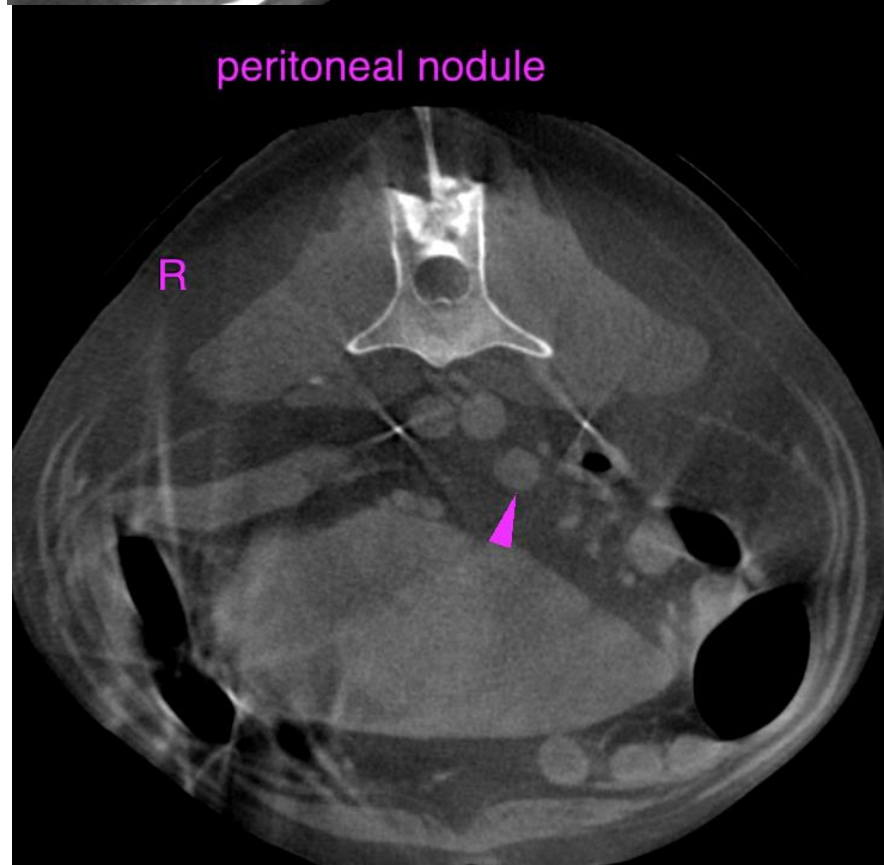
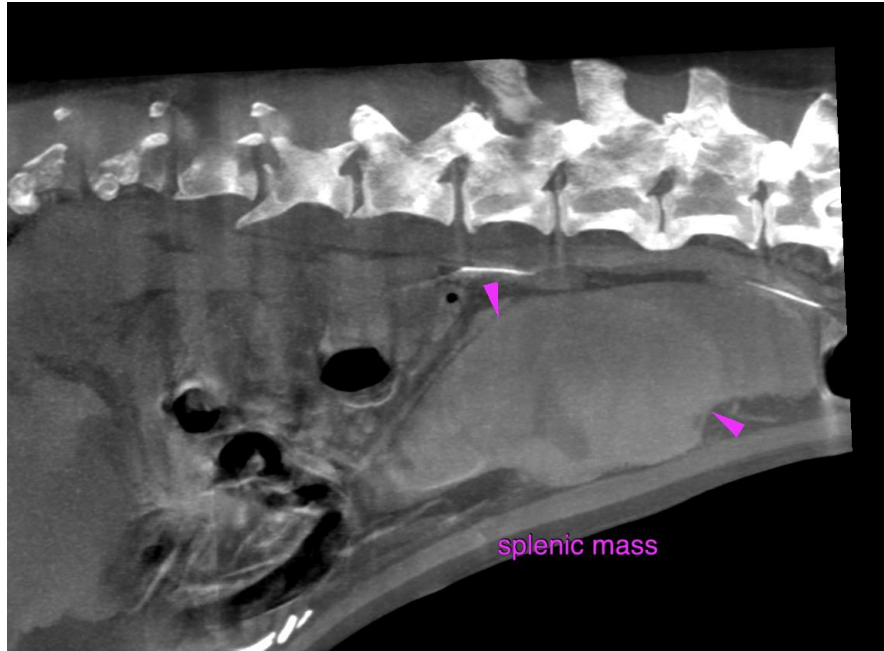
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**PATIENT**

Bella Turco

**SPECIES**

Canine

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.

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**

German Shepherd

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**SEX**

Spayed Female

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