



**PATIENT PRESENTING CLINICAL SIGNS**

Karma Sunrise PD Chronic cough and mild ataxia.

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN**

**SPECIES** Plain and post contrast studies available for review.

Canine

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED** Thorax

German Shepherd An ill-defined soft tissue attenuating mass of approximately 5 cm diameter is seen within the right cranial lung lobe. The mass presents nonuniform contrast enhancement and is in a peribronchial position circumferential to the mid portion of the main lobar bronchus. Multiple miliary nodules are seen throughout the parenchyma of all lung lobes. There is a severe bronchial lung pattern with thick bronchial walls with mass effect and reduced bronchial lumen. Occasional pulmonary osteomas are seen.

**SEX**

Spayed Female

The mediastinal lymph nodes present within normal limits.

**AGE**

10 Years

Mild spondylosis deformans is seen between T5 and T6.

**Abdomen**

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
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The 6<sup>th</sup> lumbar vertebra, sacrum, pelvic bones, and left femur all present aggressive osteolytic changes with permeative medullary osteolysis, endosteal scalloping, multifocal cortical bone thinning, and sunburst periosteal new bone formation.

Focal 4mm sized thickening of the right anal gland wall is seen.

The sacral, hypogastric, and medial iliac lymph nodes present within normal limits.

**HOSPITAL NAME**

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No abnormality of the urinary bladder is noted.

The abdominal lymph nodes present within normal limits.

Occasional hyper- and hypo-enhancing nodules are seen within the spleen.

**REFERRING VET**

Meaux

The liver and gallbladder present within normal limits.

There are multiple cortical renal infarcts in both kidneys.

**INVOICE**

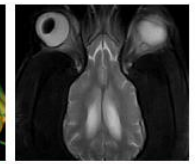
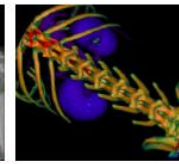
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The adrenal glands present within normal limits.

A round 3 cm sized hyperattenuating foreign object with multiple gas inclusions is seen within the pyloric antrum of the stomach.

**DATE**

3-7-23



**PATIENT      COMPUTED TOMOGRAPHIC DIAGNOSIS**

Karma Sunrise PD

**SPECIES**

Canine

**BREED**

German Shepherd

- Pulmonary mass within the right cranial lung lobe.
- Miliary and severe bronchial lung pattern.
- Polyostotic aggressive osteolytic lesions within the caudal lumbar spine, sacrum, pelvis, and left femur.
- Multiple splenic nodules.
- Foreign object within the stomach.
- Questionable nodule within the right anal gland.
- Bilateral cortical renal infarcts.
- Spondylosis deformans T5/6.

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

Spayed Female

The CT study reveals a pulmonary mass within the right cranial lung lobe. Primary and secondary neoplasia of the lung is thought most likely including bronchial carcinoma, pulmonary sarcoma, and less likely round cell neoplasia. Metastases of another primary tumor is a lower potential too. The odds of an abscess or granuloma are thought very low.

**AGE**

10 Years

The polyostotic aggressive osteolytic lesions in the caudal lumbar spine, sacrum, pelvis, and left femur are highly suspicious for bone metastases. The pulmonary mass may represent the primary neoplasia however another neoplasia in the lower urinary, lower genital tract such as adenocarcinoma of the anal gland or transitional cell carcinoma cannot be ruled out entirely as well. Correlate with the clinical palpation.

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The splenic nodules are likely to represent metastases. Benign nodular hyperplasia or extramedullary hematopoiesis are potential differential diagnoses.

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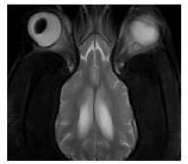
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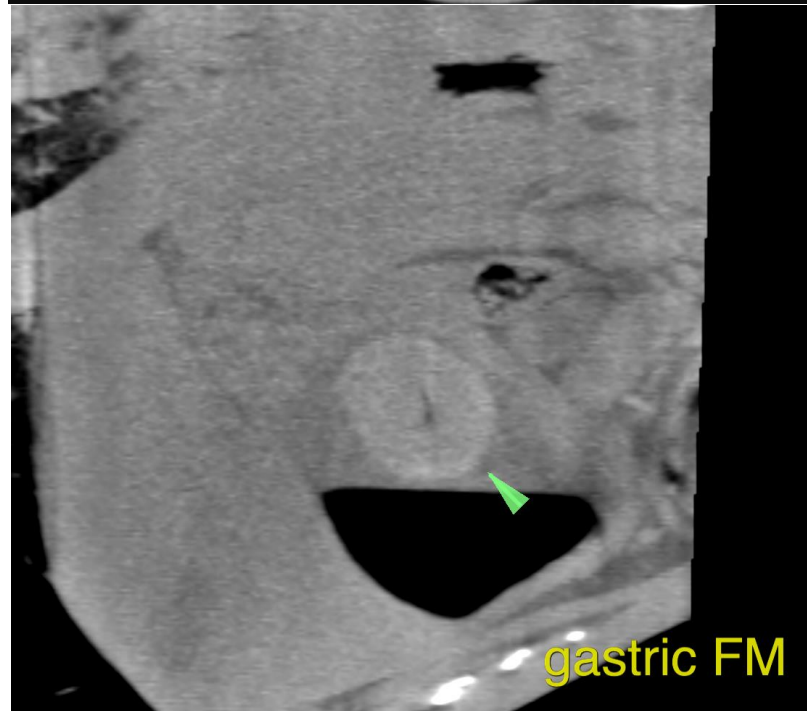
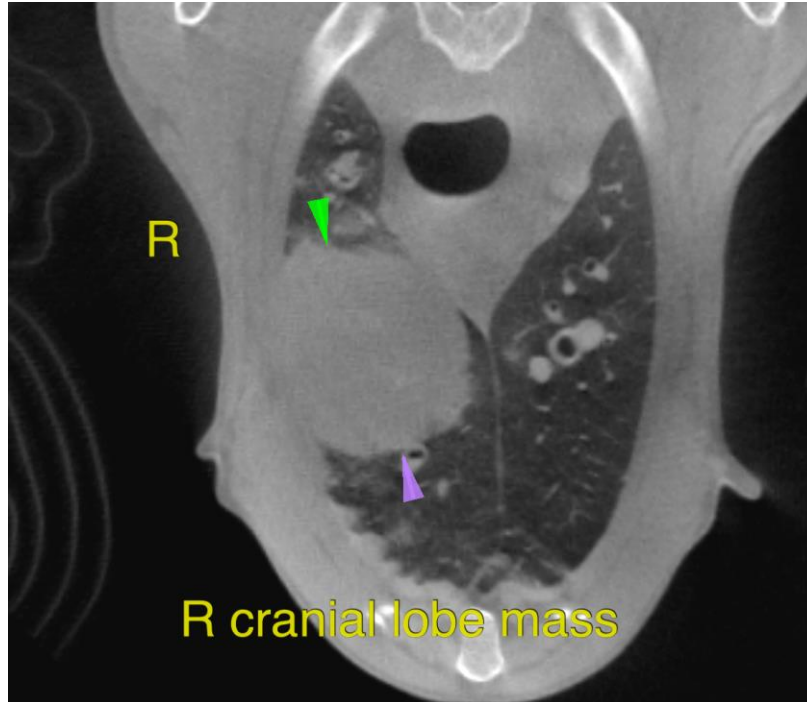
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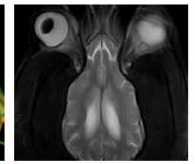
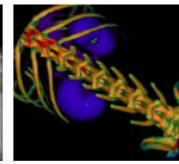
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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