



**PATIENT PRESENTING CLINICAL SIGNS**

Tessa Burns History of histiocytic sarcoma in right axilla which was removed January 2022, and soft tissue sarcoma on right elbow removed March 2022. Previous radiation therapy and chemo. History of ITP - in remission. Had previous hepatopathy (mild) - now slightly progressive including new persistent hyperbilirubinemia. Was previously on CCNU chemo but was discontinued months ago and hyperbilirubinemia is new. Also has recent onset hyporexia (50% of normal). CT performed for staging of previous neoplasia, investigate cause of hyperbilirubinemia, investigate cause of hyporexia.

**SPECIES**

Canine

**BREED**

Labrador

Abnormal PE/Chem/CBC/UA Results: -CBC: Lymph 900 (L), Plt 70,000 (L - mod plt clump, estimate adequate), rest WNL -Chem: ALT 244 (H), ALP 427 (H), Tbili 12.9 (H), Alb 22 (L), Glob 44 (H), SDMA 16 (H), rest WNL

**COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

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

**SEX**

FS

**COMPUTED TOMOGRAPHIC FINDINGS**

Thorax

Level with the costal cartilages of the 4<sup>th</sup> and 5<sup>th</sup> left rib, the subcutaneous fat presents moderate fat stranding. Both shoulder joints present moderate osteophyte new bone formation.

**AGE**

10 Years

Multiple lipomas are seen in the shoulder region bilaterally.

**INTERPRETED BY**

Multifocal mild mineralization along the intramuscular fascial planes along the axial and appendicular musculature is seen.

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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 is uniform and considered within normal limits.

**HOSPITAL NAME**

Animal Health Partners

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

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.

**REFERRING VET**

Dr. Ashley Gold

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

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

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Abdomen

A very small volume of fluid attenuating, gravity dependent soft tissue material is seen in the peritoneal cavity.

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.

**DATE**

5-3-23

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

The hepatic volume is decreased and the liver has serrating/micronodular margins. The hepatic parenchyma is uniform soft tissue attenuating and has a mild irregular contrast enhancement pattern in



**PATIENT** the arterial phase.

Tessa Burns The caudal extremity of the spleen presents a parenchymal nodule, mildly bulging protruding beyond the splenic surface and presenting a fat-attenuating center. The remainder of the splenic parenchyma are uniform soft tissue attenuating and contrast enhancing.

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

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

**BREED** The vertebral endplates L4/L5 present moderate spondylosis formation. Both coxofemoral joints present moderate osteophyte new bone formation. The included parts of the stifle joints present advanced osteophyte new bone formation.

Labrador

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

- History of histiocytic sarcoma right axilla and soft tissue sarcoma right elbow
- Microhepatica with serrating hepatic margins and heterogeneous contrast enhancement pattern in the arterial phase
- Very mild peritoneal effusion – likely secondary to chronic hepatopathy
- Myelolipoma caudal extremity of the spleen
- Focal steatitis costal cartilage 4<sup>th</sup> & 5<sup>th</sup> left rib
- Degenerative osteoarthritis shoulder joints & stifle joints
- Pulmonary osteomas
- Spondylosis deformans
- No evidence of pulmonary metastatic disease

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

Animal Health  
Partners

The hepatic changes are most consistent with chronic hepatopathy (e.g. chronic hepatitis) with secondary hepatic fibrosis. The heterogeneous contrast enhancement pattern of the liver is highly suggestive for regeneration nodules/nodular hyperplasia. The odds for metastatic disease are considered lower, due to the early contrast enhancement. Ultrasound guided FNA sampling can be used as advanced minimally invasive diagnostic tool.

**REFERRING VET**

Dr. Ashley Gold

The nodular splenic lesion is compatible with myelolipoma. In case of doubt, recommend FNA sampling to rule out diffuse neoplastic infiltration.

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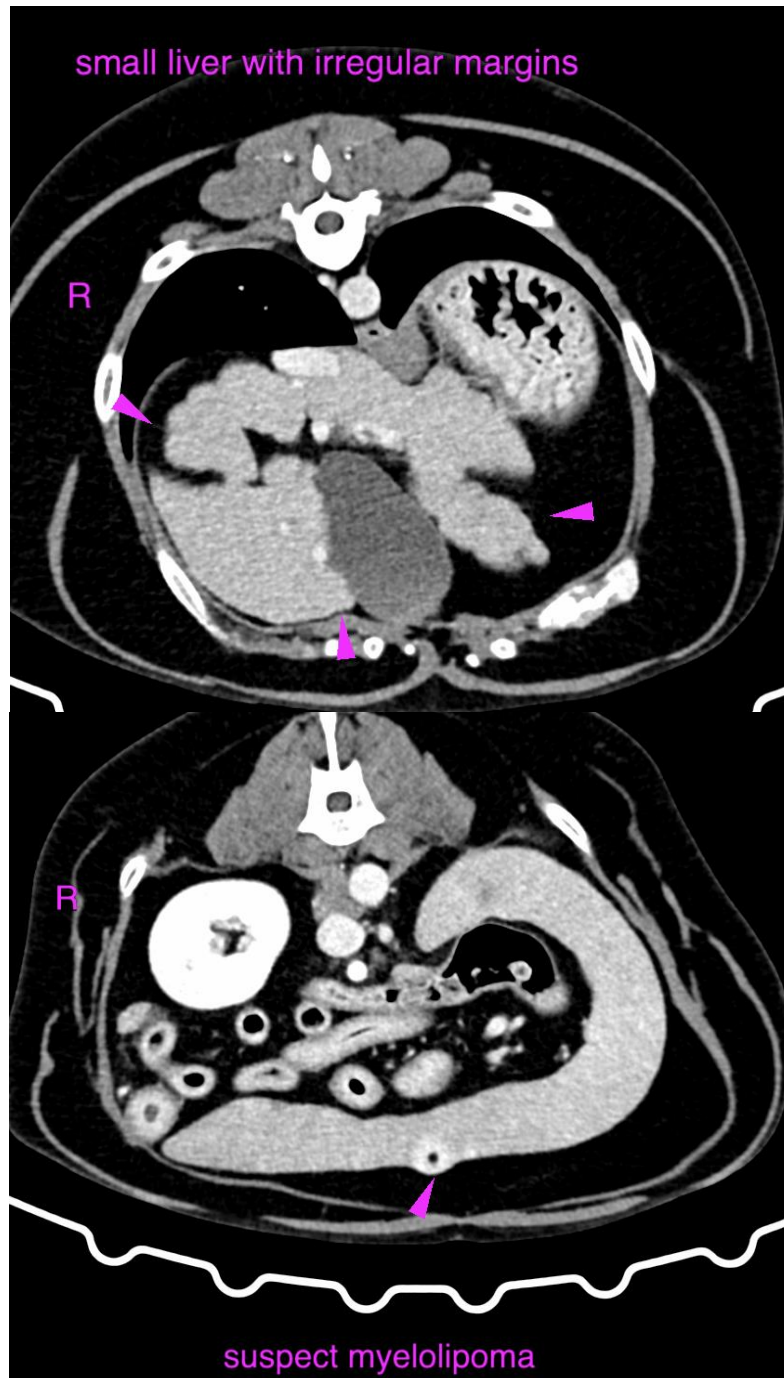
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The information and recommendations provided are based on the images presented by the referring



**PATIENT** veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Tessa Burns

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.

**SPECIES**

Canine

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