



## PATIENT PRESENTING CLINICAL SIGNS

**PATIENT** Sammy Santiago

**SPECIES** Canine

**BREED** Golden Retriever

Sammy was presented for evaluation of a large left-sided liver mass. Fine needle aspirates of this mass were consistent with hepatocellular carcinoma (HCC). CT was performed for surgical planning if the liver mass is positioned for resection.

FNA/Cytology Results: Spleen Mass Sampled as EMH and Hyperplasia  
Hepatocellular Carcinoma; Left-Sided

Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- TP mild increased (8.6), GLOB mild increased (5.3), ALT/ALKP (values severe increased), GGT mild increased (46), CHOL mild to moderate increased (431)

## COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

Plain and post contrast studies are available for review.

## SEX COMPUTED TOMOGRAPHIC FINDINGS

**SEX** MN

**AGE** 9yr

A multi-lobulated, multi-cavitated hepatic mass is present involving the central and left division of the left-sided hepatic divisions, measuring ~ 12.5 by 8 by 6 cm in total. The mass demonstrates severe non-uniform contrast enhancement with multiple cavitory regions. The right medial quadrant and caudate liver lobes remain spared. An additional cavitory hepatic nodule, measuring ~ 3.5 by 1.5 cm is present within the right lateral liver lobe adjacent to the diaphragm and body wall. See image below.

**INTERPRETED BY** No evidence of abdominal lymphadenopathy is identified.

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

No free abdominal fluid is present.

A rounded hypo-enhancing splenic nodule measuring ~ 2 cm is present. Based on prior cytology, this likely corresponds to extramedullary hematopoiesis/ nodular hyperplasia, even though metastasis remains a possibility.

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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.

## REFERRING VET

Irene Vazquez, DVM

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

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.

## DATE

05/17/2026



## PATIENT

Sammy Santiago

Severe bilateral coxofemoral osteoarthritis is incidentally noted.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

### SPECIES

Canine

- Large multi cavitated central and left divisional hepatic mass consistent with the reported hepatocellular carcinoma. Additional cavitory nodule within the right lateral liver lobe suspicious for intrahepatic metastatic disease.
- No CT evidence of regional lymph node metastasis or peritoneal carcinomatosis.
- Solitary splenic hypoenhancing nodule favored to represent benign etiology based on prior cytology.
- Severe bilateral hip osteoarthritis.

### BREED

Golden Retriever

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

### SEX

MN

The dominant hepatic mass is extensive but largely confined to the left and central hepatic divisions, which theoretically renders it surgically resectable. However, the presence of an additional cavitory lesion within the right lateral liver lobe raises concern for intrahepatic metastatic spread. Ultrasound guided FNA using right parasternal intercostal approach could be considered for further definition vs surgical biopsy.

### AGE

9yr

The splenic nodule based on cytology results represents extramedullary hematopoiesis or benign lymphoid/ nodular hyperplasia. However, based on the CT presentation, metastatic disease cannot be ruled out entirely.

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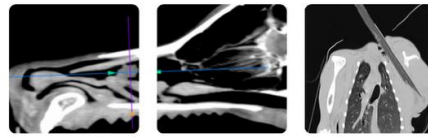
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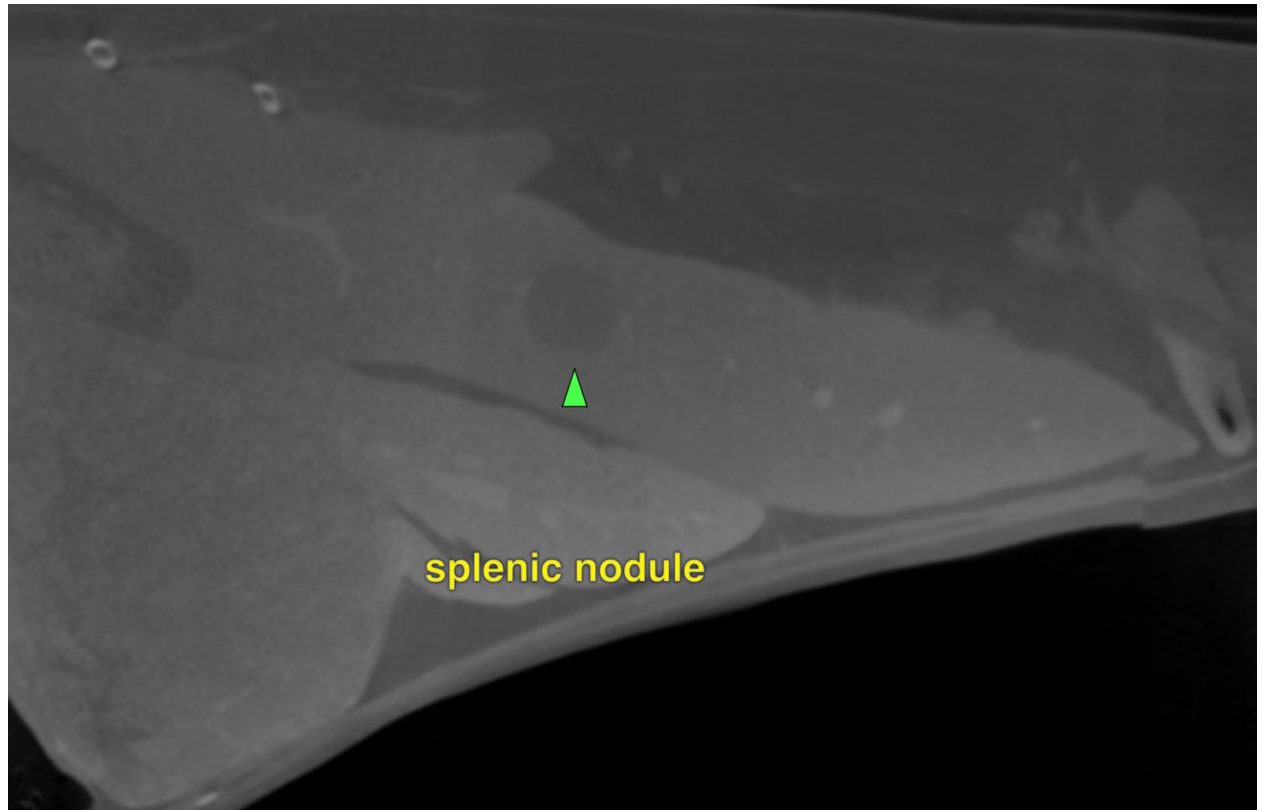
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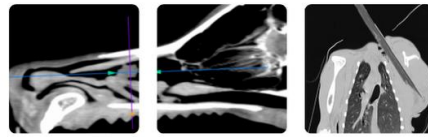
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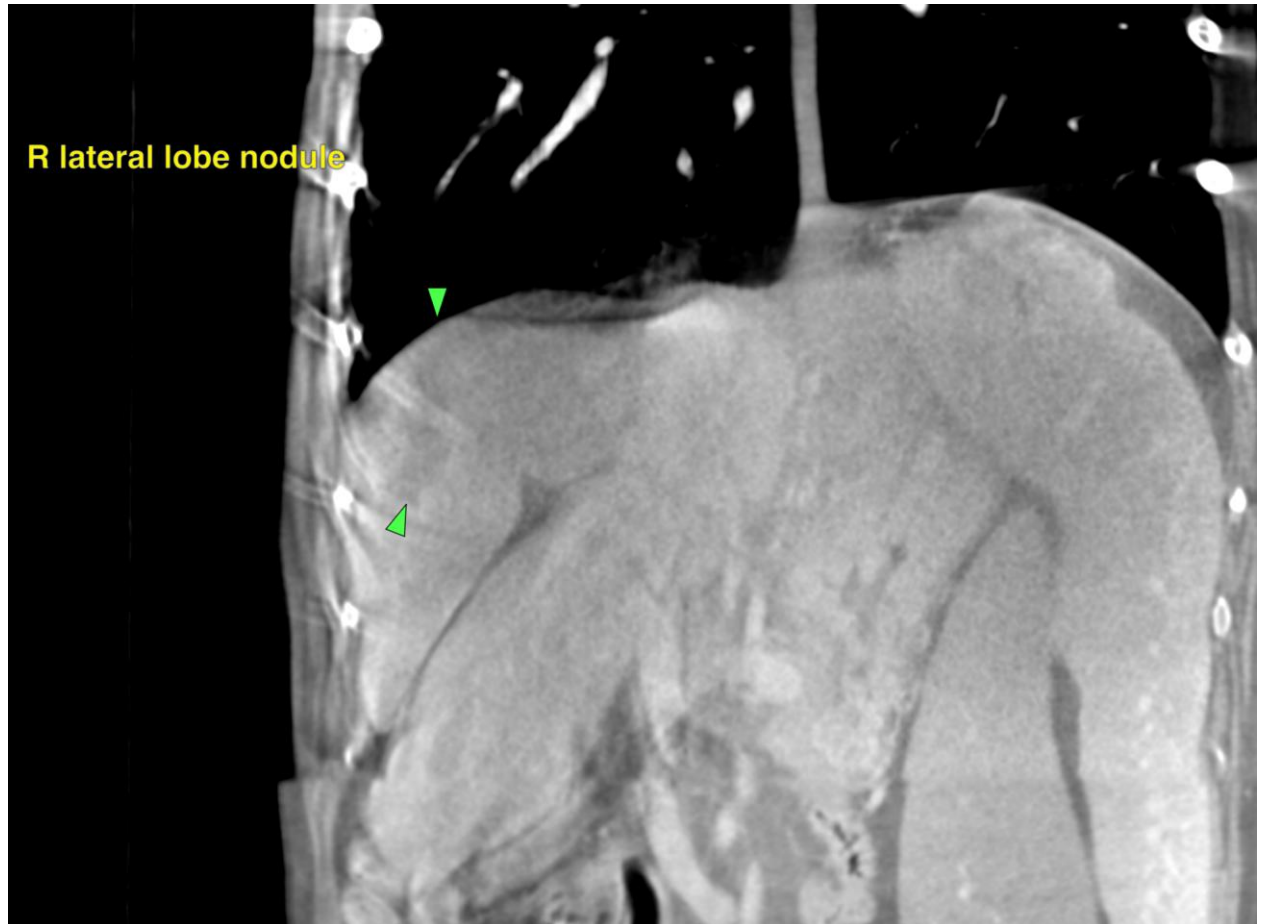
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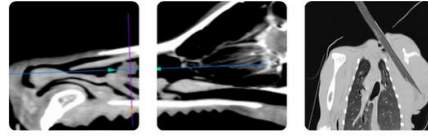
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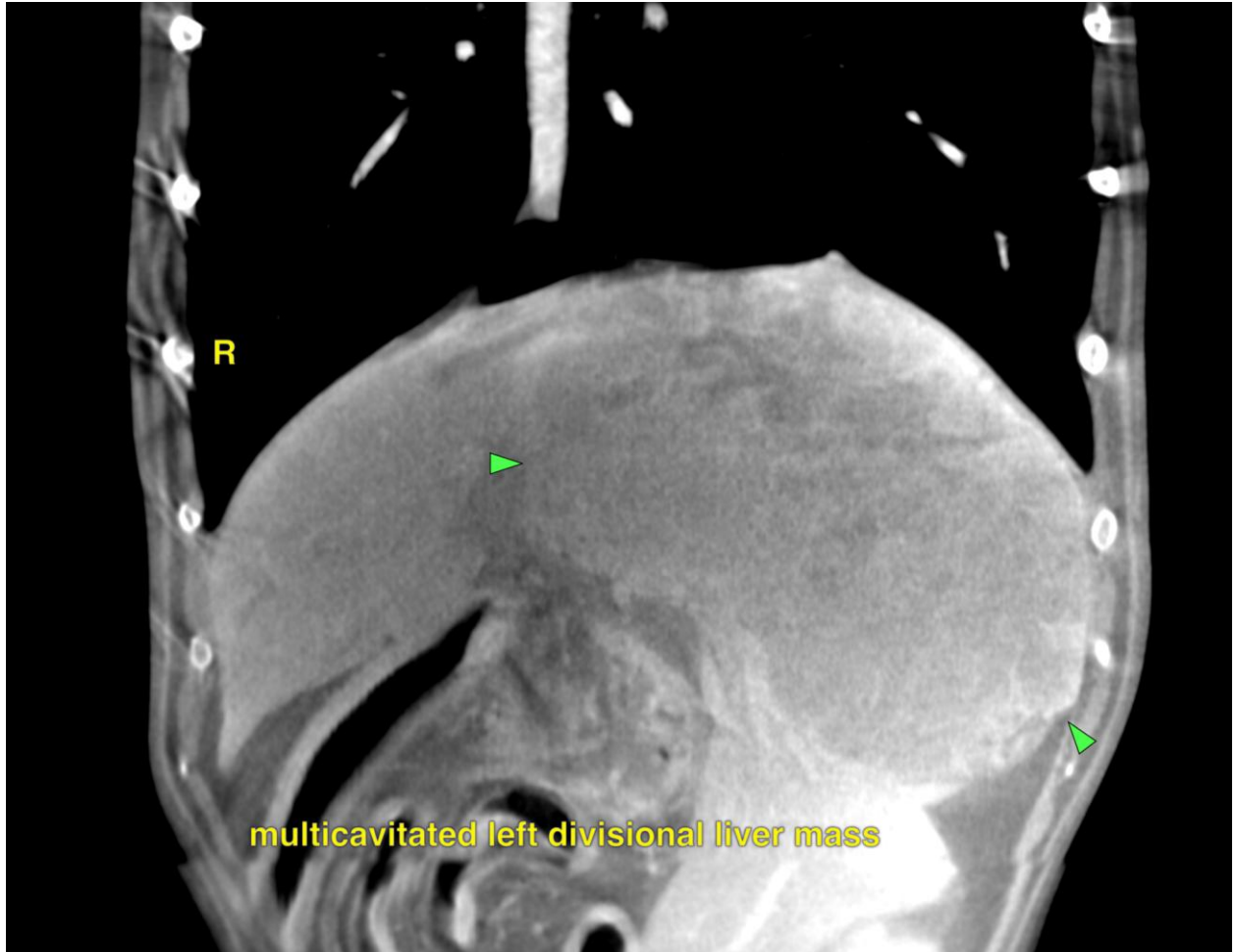
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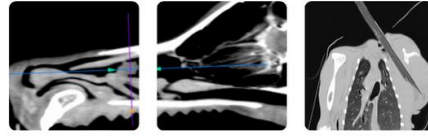
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## PATIENT

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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

Golden Retriever

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