



DATE PRESENTING CLINICAL SIGNS

6/18/22

History of Skin mast Cell Tumor. Came in for ultrasound to investigate any further involvement; large, heteroechoic mass found on left liver lobe.

CYTOLOGY SUBMISSION

INTERPRETED BY

Liver

L.D. McGill, DVM,
Ph.D, DACVP

OBSERVATIONS

Liver: Submitted are 7 excellent videos of minimal numbers of cells collected from the lesion in Faith. There are large numbers of round cells with somewhat uniform vacuolation or granules in the cells. The cells demonstrate anisocytosis. There is degenerate debris which is bluish gray around and associated with the cells. The videos demonstrated individualized cells fairly well but there were not large numbers of those cells. The nuclei were varied in their location within the cells.

PATIENT

Faith Svingala

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver lesion - Granulated cells with degenerate debris suggesting macrophages and necrosis.

SPECIES

Canine

COMMENTS

The granulated cells did cause concern about the possibility of degranulated mast cells. There were only a few cells submitted with these excellent videos. The concern about the cells not being mast cells included observations that the nuclei were varied in their location and the nuclei were not demonstrating some of the characteristics I would expect for mast cells. The cells were also variable in size which is not common for neoplastic mast cells. The degenerate debris suggests necrosis. I'm wondering about the possibility of some type of localized granulomatous inflammatory response on the edge of the liver with macrophages phagocytosing lipid. I am not convinced that the cells are mast cells. A guarded prognosis is warranted since this lesion has not been specifically identified.

BREED

Mix

Exploratory and excision of the mass will likely be required to confirm this diagnosis. At this time I do not think it is a mast cell tumor.

SEX

Female Spayed

AGE

9y

WEIGHT

62.9

HOSPITAL NAME

Rotterdam Veterinary
Hospital

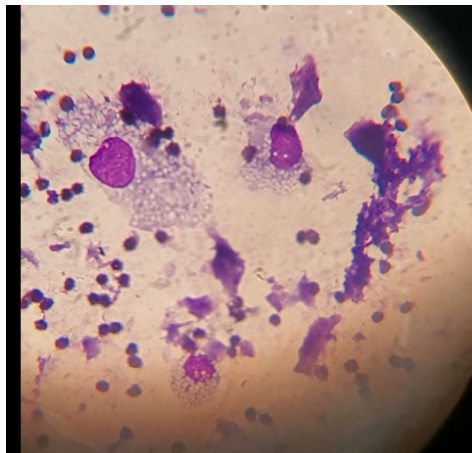


Image shows some of the cells collected from Faith. Note the marked variability in size and the eccentric nuclei. The bluish gray material appears to be probable amorphous necrotic debris.

REFERRING VET

Dr. Anna St Sir

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.

INVOICE NUMBER

746



DATE 6/18/22 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.

INTERPRETED BY L.D. McGill, DVM, Ph.D., DACVP
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