



**DATE PRESENTING CLINICAL SIGNS**

2/3/22

Not eating. Pleural fluid noted on AUS, chest tap done and cytopsin of fluid for cytology. Mass noted on AUS.

AUS: hypoechoic, undifferentiated mass with possible mineralization noted medial to the R kidney. May be associated with the R kidney or possibly L adrenal gland. Pleural effusion ++

**INTERPRETED BY**

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

**CYTOLOGY SUBMISSION**

FNA of Pleural fluid

**PATIENT**

Gemma Metcalf

**OBSERVATIONS**

Pleural fluid: Submitted are 11 excellent videos of good collections of cells from the concentrated pleural fluid from Gemma. There are good numbers of reactive mesothelial cells in many fields. There appears to be a population of cells with characteristics different from mesothelial cells. These cells are forming chains and aggregates. They are demonstrating anisocytosis and anisokaryosis. There are scattered mitotic figures. I did see mitotic figures in mesothelial cells also.

**SPECIES**

Feline

**BREED**

DSH

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Pleural fluid - Markedly reactive mesothelial cells with scattered aggregates of cells suggestive of carcinoma cells.

**SEX**

FS

**COMMENTS**

Carcinoma cells can be difficult to differentiate from reactive mesothelial cells. I get the feeling that there are carcinoma cells present. The source is not specific. Metastatic carcinoma should be considered. Further workup to rule out carcinoma in the kidney or thyroid should be considered. There were no masses in the lung? This is not an inflammatory reaction. In my opinion, a guarded to unfavorable prognosis is warranted.

**AGE**

13 years

**WEIGHT**

9 lbs

**HOSPITAL NAME**

Scanvet

**REFERRING VET**

Dr. McMullin

**INVOICE NUMBER**

70459



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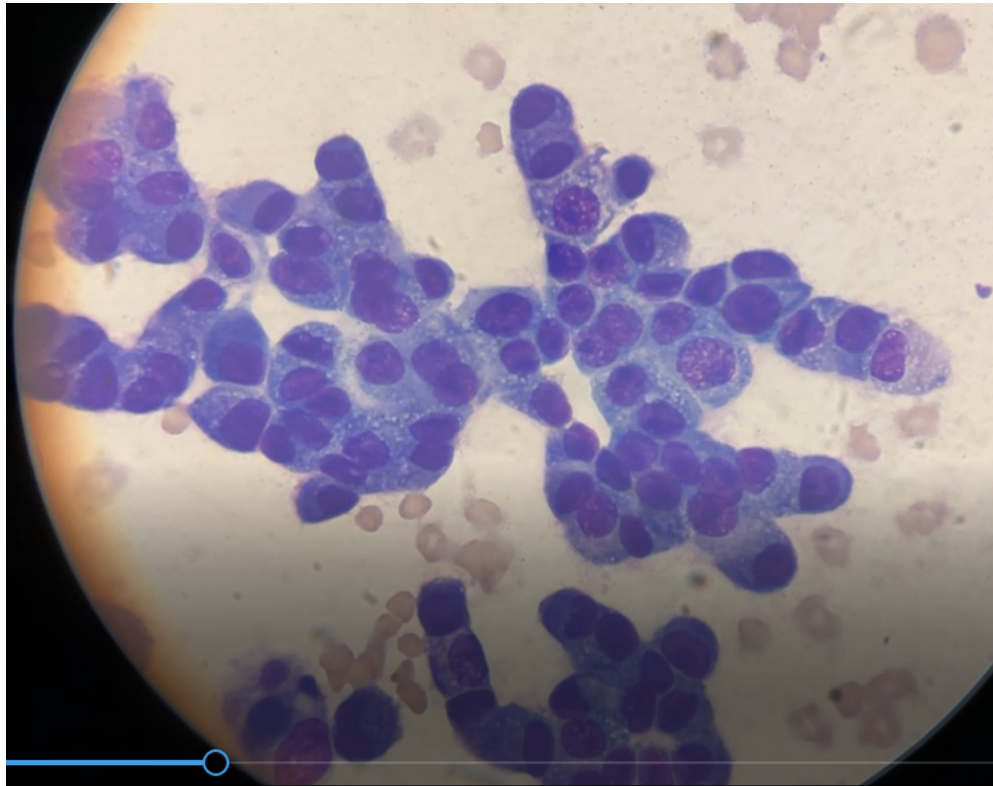


Image shows some of the cells that suggest carcinoma cells collected from Gemma. I think there is a mitotic figure in this group of cells also.

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.

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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