



**DATE PRESENTING CLINICAL SIGNS**

1/31/22

Baseball sized mass at site of microchip implantation 7 years ago. Confirmed microchip in mass with a scanner

**INTERPRETED BY**

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

**CYTOLOGY SUBMISSION**

Sub Q mass

**PATIENT**

Lucy Edmonds

**OBSERVATIONS**

Dermal/subcutaneous mass: Submitted are 9 excellent images of limited collections of cells. Many of the images appear to be from the same aggregate of cells. The largest aggregate consists of cells that are clumped together with minimal cytoplasmic borders. These cells are closely and tightly attached to each other. The nuclear characteristics are slightly irregular. In several other fields, there are scattered spindloid cells that are slightly varied. There are few in numbers but support the likelihood of fibrous connective tissue cells.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Canine

Dermal/subcutaneous mass - Packets of cells suggesting epithelial tumor such as an adenoma with irregular collections of spindle cells.

**BREED**

Golden Retriever

**COMMENTS**

The cellularity in the large aggregate of cells is a proliferative process. The majority of the characteristics in this aggregate suggest an adenoma or other epithelial cell proliferation. There is a possibility of a carcinoma. I would consider the possibility of a basal cell tumor or sebaceous gland tumor in this region. The cellularity is not diagnostic. The spindloid cells could suggest the possibility of a soft tissue sarcoma but they are in numbers that would also occur in granulation tissue or fibrosis associated with other types of tumors. Excision of the mass is encouraged. In my experience, microchips can become ingrained within tumors and not be associated with the cause for that growth. I have seen this many times and if this turns out to be an epithelial tumor, my suspicion is that the microchip just happened to be in the way of the tumor growth.

**SEX**

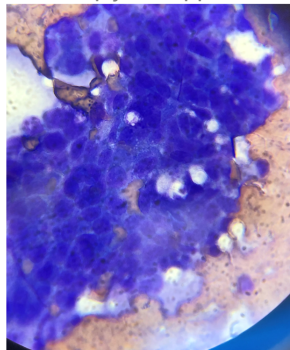
Female Spayed

**AGE**

8y

**WEIGHT**

74.8 lbs



**HOSPITAL NAME**

Torch Lake Veterinary  
Clinic

Image shows a good clump of apparent epithelial cells collected from Lucy. They have the appearance of adenoma cells.

**REFERRING VET**

Dr. Waffle

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.

**INVOICE NUMBER**

661



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

1/31/22  
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