



Tuncer KUTLU<sup>1</sup>,  
Yanad Abou MOUNSEF<sup>1</sup>,  
Osman KUTSAL<sup>1</sup>

<sup>1</sup> Ankara University, Faculty  
of Veterinary Medicine,  
Department of  
Pathology, 06110,  
Diskapi-Ankara/ TURKEY

tuncerkutlu83@gmail.com

## PAPILLARY ADENOCARCINOMA IN A PIT-BULL DOG

### Introduction

Uterine endometrial adenocarcinoma is a very rare tumour specially seen in geriatric dogs<sup>(1)</sup>. It was previously reported in two young dogs<sup>(2,3)</sup>. In this work papillary adenocarcinoma encountered in the uterus of an 18 month old Pit-bull was described.

### Material and Method

The uterus was removed as a part of an ovariohysterectomy procedure performed by the veterinarian. On the history, the owner reported an intervention done by the veterinarian to prevent gestation of the bitch at 6 month old. The owner also stated that the animal presented no heat or illness signs and that ovariohysterectomy was performed to completely prevent gestation.

### Results and Conclusion

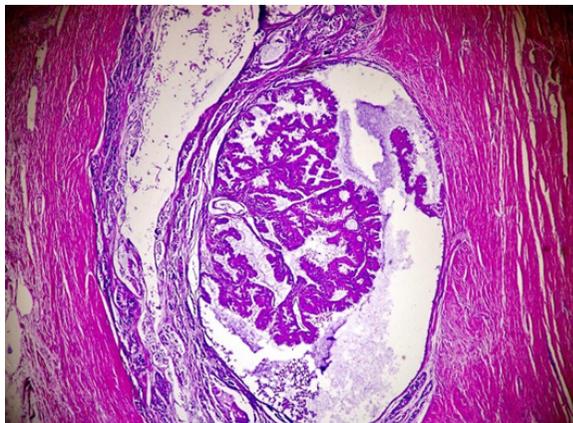
Grossly, the uterus was whitish in color and elastic in consistency, the uterine horns were 15 cm long with a 1 cm of diameter. On cut section uterine mucosa showed

variable sized cysts and was filled with a yellowish white mucus. Microscopical evaluation demonstrated a proliferation of the glandular component of the endometrium and a migration of these glands into the myometrium. Glands located in both the Endometrium and the myometrium formed large cystic structures. The atypical glandular epithelium showed papillary projections into the cystic spaces (Figure 1). With this study a case of uterine adenocarcinoma in an 18 month old dog was described being a very rarely reported case in dogs.

**Keywords:** Dog, uterus, adenocarcinoma

### References

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*Figure 1:  
Migration of tumoral  
endometrial glands into the  
myometrium and atypical  
glandular epithelium  
showing papillary  
projections in their cystic  
spaces.*