**SURGICAL MANAGEMENT OF PERIANAL CYST AND VAGINAL LEIOMYOMA IN AN OVARIOHYSTERECTOMIZED DOG**

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**A Report**

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A clinical case report submitted in partial satisfaction of the requirements for the degree of

**Doctor of Veterinary Medicine**

Faculty of Veterinary Medicine

Chittagong Veterinary and Animal Sciences University

Khulshi, Chittagong, Bangladesh

**NOVEMBER 2017**

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**NOVEMBER 2017**

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**List of abbreviations**

|  |  |
| --- | --- |
| **Abbreviation** | **Elaboration** |
| mg | milligram |
| g | gram |
| Kg | kilogram |
| i/v | intravenous |
| ET | Endo tracheal |
| KKU | KhonKaen University |
| cm | Centimeter |
| % | percentage |
| µL | Micro liter |
| µm | Micro meter |
| HE | Hematoxylin and eosin |
| PCV | Packed Cell Volume |
| RBC | Red Blood Cell |
| CVASU | Chittagong Veterinary and Animal sciences University |

**ABSTRACT**

Vaginal leiomyoma is a benign smooth muscle tumor, reported to be the most common mesechymal tumor affecting the vagina. Though the cause of vaginal benign tumor is not properly known; infection, radiation, obesity, imbalance of estrogen and progesterone are said to the main etiology of the vaginal leiomyoma. The present case report is designed to describe a surgical approach of correction of vaginal leiomyoma along with perianal cyst in an ovariohysterectomized female dog. A 10 years old, spayed Labrador retriever female dog weighing 31 kg with a mass in the vagina appeared to the Teaching Veterinary Hospital, Khon Kaen University, Thailand with a complaint of bloody urine for one week. At the examination, a perianal swelling was found having a clear fluid and a smooth surfaced multinodular mass found by vaginal palpation. Based on the clinical and ultrasonographic examination, surgical removal of the cyst and mass were performed by lumpectomy and episiotomy subsequently. The histopathology report confirmed the diagnosis of benign leiomyoma. Animal recovered uneventfully over the forthcoming days.

**Key words:**Vaginal leiomyoma, Perianal cyst, Episiotomy, Lumpectomy