**Management of Pyometra: A Clinical**

**Case Report**



**A Clinical Report Presented in Partial Fulfillment of the Requirement**

**for the Degree of**

***Doctor of Veterinary Medicine***

*A Report Submitted by*

Ripta Moni

Roll No: 15/13

Reg. No: 01427

Intern ID: 13

Session: 2014-2015

*Faculty of Veterinary Medicine*

**Chattogram Veterinary and Animal Sciences University**

**Khulshi-4225, Chattogram , Bangladesh**

September, 2020

**Management of Pyometra: A Clinical**

**Case Report**



**A Clinical Report Presented in Partial Fulfillment of the Requirement**

**for the Degree of**

***Doctor of Veterinary Medicine***

*A Report Submitted by*

Ripta Moni

Roll No: 15/13

Reg. No: 01427

Intern ID: 13

Session: 2014-2015

**……………………………. …………………………………..**

**(Signature of the Author) (Signature of the Supervisor)**

**Roll No:15/13 Dr.Azizunnesa**

**Reg.No:01427 Professor**

**Dept. of Medicine and Surgery**

**Faculty of Veterinary Medicine**

**Chattogram Veterinary and Animal sciences University**

**Table of contents**

|  |  |
| --- | --- |
| **Contents** | **Page No** |
| **List of figures………………………………………………………………** | **IV** |
| **List of tables………………………………………………………………** | **IV** |
| **List of abbreviations………………………………………………………** | **V** |
| **Abstract……………………………………………………………………** | **VI** |
| **Chapter one: Introduction……………………..........................................** | **1** |
| **Chapter two: Case history and description……………………………..** | **3-4** |
| **Chapter three: Methodology……………………………………………..** | **5-8** |
| **Chapter four: Results And discussion…………………………………...** | **9-11** |
| **Chapter five: Conclusions…………………………………………………** | **12** |
| **References…………………………………………………………………..** | **13-15** |
| **Acknowledgements…………………………………………………………** | **16** |
| **Biography……………………………………………………………………** | **17** |

**List of Tables**

|  |  |
| --- | --- |
| **Table** | **Page** |
| **Table 1**: Routine Examination of Blood……………………………............. | 4 |
| **Table 2**:Biochemical Serum Examination Of Blood………………………… | 4 |

**List of Figures**

|  |  |
| --- | --- |
| **Table** | **Page** |
| **Figure 1:** Mucopurulent Pus Coming Out Through Vagina………………… | 2 |
| **Figure 2**: Radiopaque Uterus By X-ray…………………………………. | 3 |
| **Figure 3**: Hyperechoic Pocket Like Tubular Structure By Ultrasonography…. | 3 |
| **Figure 4**: Pre-anesthetic was Administrated……………………………….. | 5 |
| **Figure5:**Incision Behind Umbilical Area…………….................... | 6 |
| **Figure6:**Moping…………………………………………………… | 8 |
| **Figure7**:Exteriorization of Uterine Horn………………………. | 8 |
| **Figure 8**: Suturing……………………………………………….. | 8 |
| **Figure 9:** Uterus Filled With Pus………………………………… | 8 |

**List of Abbreviations**

|  |  |
| --- | --- |
| **Abbreviation** | **Elaboration** |
| OHC | Ovariohysterctomy |
| PCV | Packed Cell Volume |
| AST | Alanine Transaminase |
| ALT | Aspartate Aminotransferase |
| Hb | Hemoglobin |
| TEC | Total Erythrocyte Count |
| TLC | Total Leukocyte count |
| DLC | Differential Leukocyte Count |
| ESR | Erythrocyte Sedimentation Rate |
| CEH | Cystic Endometrial Hyperplasia |
| USG | Ultrasonography |

**ABSTRACT**

A six years old female cat was admitted to Teaching and Training Pet Hospital and Research Centre, Chattogram Veterinary and Animal Sciences University with history of littering 2 months ago and suffering from anorexia and vaginal discharge. At first general physical examination was done and then special examination was performed. The clinical examination shown normal vital signs except slight pyrexia with bad odor sticky vaginal discharge. On abdominal ballotment the uterus felt harder and enlarged than normal. In Ultrasonography examination, there were found multiple tubular, hyperechoic fluid filled structures from caudal to mid abdomen.In X ray, uterus size extended and radiopaque of extended uterus was found.From routine and biochemical analysis there was seen the level of AST,ALT, urea,creatinine increased and PCV and Hb% decreased. All the findings diagnosed that the cat had suffering from pyometra .After confirmation, it was decided to do ovariohysterctomy under general anesthesia. The cat had an uneventful recovery without any complication.

**Keywords:** Ovariohysterectomy, Hyperechoic, Radiopaque, PCV, AST, ALT, Pyrexia