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**List of Abbreviations**

|  |  |
| --- | --- |
| CVASU | Chittagong Veterinary and Animal Sciences University |
| Dr | Doctor |
| Kg | kilogram |
| Ltd | limited |
| MM | Mucous membrane |
| Mg | milligram |
| sl | Serial |
| i/m | Intramuscular |

**Abstract**

Caesarean section (C-section) is one of the most rear operations in rabbit. The present case study represents the efficacy of the surgical outcome and anesthetic protocol of C-section in rabbit. A 1.2 years old, local, non-descriptive breed of rabbit was presented to the SAQTeaching Veterinary Hospital (SAQTVH), Chittagong Veterinary and Animal Sciences University (CVASU) with a history of one kit normally delivered and remains straining and treated with oxytocin. Problem on physical examine included abdominal distension and vaginal secretion. Based on the clinical examination, X-Ray and Ultrasonography report, it was decided to perform surgery. The surgery was aseptically control under general anesthesia combination with xylazine and ketamine with the dose rate 5mg/kg and 30mg/kg respectively. The rabbit became unconscious within 2minutes of intramuscular injection.Laparotomic midline incision (1cm) was performed behind the umbilicus. Two dead fetuses were removed and proper apposition of abdomen was done. The rabbit was recovered fully after 50 minutes of injection. As a part of post-operative treatment which was maintained with antibiotic, pain killer for 7 days. The wound healing was noticed after 10 days of operation. So, the case report suggests that rabbit C-section can be performed successfully with xylazine and ketamine anesthesia with recommended doses.

**Keywords**: Rabbit, Caesarean section,Fetuses, Post-operative treatment