
SURGICAL MANAGEMENT OF FEMUR FRACTURE IN A CAT BY RETROGRADE INTRAMEDULLARY PINNING: A CASE REPORT



Submitted By:

Name: Piyal Paul

Intern ID : 57

Roll : 15/107

Reg. No : 01491

Session : 2014-2015

A clinical report submitted in partial satisfaction of the requirements for the Degree of Doctor of Veterinary Medicine (DVM)

Faculty of Veterinary Medicine

Chattogram Veterinary and Animal Sciences University

Khulsi , Chattogram-4225

SURGICAL MANAGEMENT OF FEMUR FRACTURE IN A CAT BY RETROGRADE INTRAMEDULLARY PINNING: A CASE REPORT



Approved By:

.....
.....
Supervisor Signature

Professor Dr. Paritosh Kumar Biswas
Department of Microbiology and Veterinary Public Health
Faculty of Veterinary Medicine
Chattogram Veterinary and Animal Sciences University

Table of Contents

Contents	Page
Abstract	iv
Chapter 1 : Introduction	1
Chapter 2: Materials and methods	2-5
Case Presentation	2
2.1 Restraining and Anesthesia	2
2.2 Diagnosis of the case	2
2.3 Surgical technique	3
Figure	4
2.4 Post-Operative Care	5
Chapter 3: Results	5
Chapter 4 : Discussion	6
Chapter 5 : Limitations	7
Conclusions	7
References	8-9
Acknowledgements	10
Biography	11

Abstract

Bone fracture is meant for break in bone. One of the common cases found in domestic house or pet cat is long bone fracture due to different kinds of trauma. A mixed breed cat about one year of age was presented in the Teaching and Training Pet Hospital and Research Centre (TTPHRC), Dhaka with the complain of lameness and injury in the left femur after falling from height. A diaphyseal fracture of left femur was diagnosed by physical examinations followed by radiography. It was decided to correct the fracture with the help of using surgical procedure under general anesthesia. A mixture of Ketamine and Diazepam was used anesthesia; Xylaxine was used as sedative. Fracture reduction was done by utilizing Kirschner Wire (K Wire). Drilling of one K wire through the fractured bone was performed and that was guided by C-arm radiography. The owner of the cat was advised to keep the wires placed until complete healing. A systemic antibiotic and a pain killer with protective bandages were suggested for postoperative care and management of the cat .No complications were reported after 7 days of the operation. Full recovery and healing were expected within 30-45 days after the surgery.

Key words: Cat, Femur fracture, Intramedullary pinning, K wire.