Metacarpal Multiple Fracture Management In a Goat

Sanam Gharibzadeh¹*, Maryam Khosravanian¹, Hesam Savadkoohi², Abdolhamid Meimandi Parizi³

¹ DVM Student, School of Veterinary Medicine, Shiraz University, Shiraz, Iran
² Resident in Veterinary Surgery, School of Veterinary Medicine, Shiraz University, Shiraz, Iran
³ Clinical Sciences Department, School of Veterinary Medicine, Shiraz University, Shiraz, Iran

*sanam.gharibzadeh@yahoo.com, khosravanianmaryam@yahoo.com, hsavadkoohi@yahoo.com, meimandi@shirazu.ac.ir

Case description- A female goat was referred to the Shiraz Veterinary Medicine School with a history of falling down of mountain the day before coming.

Clinical finding- The right forelimb had a large open fracture in metacarpal area with a lot of hemorrhage. In radiographs the metacarpus was showed at least five fragments mainly in diaphysis.

Treatment and outcome- As the fracture was multiple, internal fixation was performed. In lateral recumbency under general anesthesia, a longitudinal incision was made craniomedial on the metacarpal region. There were 5 fragments of bone. At first, the fragments were reduced and then fixed with cerclage wires as auxiliary fixation. For rigid internal fixation, a suitable plate was used on the craniomedial of bone. For supporting the limb, an external fixation with bandage and splint was applied. Five days antibiotics and anti inflammatory agents were used after operation. No complication was reported after some weeks.

Clinical relevance- In multiple fractures a rigid internal fixation is essentially. In addition an external fixation recommended due to movement limitation.

Key words- Goats, multiple fracture, metacarpus

References

