

TEC IVRI Pune organised a Workshop on “Circular External Skeletal Fixation in Large Animal Practice” on 15th February 2021 at KNP College of Veterinary Science, Shirwal (Maharashtra)

TEC-IVRI Pune in collaboration with KNP College of Veterinary Science, Shirwal, Satara (Maharashtra) organised one day Workshop on “*Circular External Skeletal Fixation in Large Animal Practice*” on 15th February 2021 in Teaching Veterinary Clinical Complex of the College. Dr DG Dighe, Associate Dean KNPCVS, welcomed the guests and participants. About 25 participants including the staff and students of the college and veterinary officers from Satara and Kolhapur districts attended the programme.

A lecture on “*Circular External Skeletal Fixation in Large Animal Practice*” was delivered by Dr HP Aithal, Principal Scientist, TEC-IVRI Pune. The lecture included the indications and advantages of circular external skeletal fixation (ESF), biomechanics, instrumentation, preparation of animal for ESF application, anaesthesia and restraint, technique of ESF application, postoperative care and management, possible complications and removal of fixator. That was followed by live demonstration of circular ESF application in a clinical case of tibial fracture in a heifer. The animal had comminuted fracture of right tibia at middle and distal diaphysis with open wound and severe soft tissue damage on medial aspect. A 4-ring circular ESF was applied to stabilize the bone with two rings fixed in the proximal fragment and two rings in the distal fragment of tibia. Before ESF fixation, the fracture fragments were reduced using two hemicerclage wires. All the participants were demonstrated how to assemble the fixator, and technique of fixator application including positioning of bone and fixator assembly, drilling of fixation pins, fixing of pins with the rings using fixation bolts, tensioning of pins, and bending and cutting of extra length pins etc. The surgical fixation of fracture was done by Dr Aithal along with Dr RV Suryawanshi, Assistant Professor, Department of Surgery and Radiology, KNPCVS and coordinator of the programme. All the participants took keen interest in the procedure and got their doubts cleared about different aspects of ESF application and gained confidence in the technique.



Lecture on Circular ESF application



Group photo of participants



Open fracture of tibia in a heifer



Glimpses of Circular ESF application
