

CASE REPORT: EXTRACTION OF INCISORS AND LOWER JAW RECONSTRUCTION IN LLAMA

J. Šmídková¹, J. Šterc², I. Tejnil²
jana@smidkova.eu

¹University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic

²Orthovet s.r.o., Brno, Czech Republic

Fractures of the incisor part of mandibular may be caused by clinching in the box, kicking by another animal or, for example, after a fence impact, as it was in this case. The mental canal in camelids makes this area more weak and susceptible to fractures.

The male llama was brought to the clinic in age of 2 years. It was referred due to a mouth injury. After clinical examination and x-ray imaging, the alveolar fracture and the dislocation of the incisors were found on both sides — I2, I3. The nutritional condition of the animal was poor. It was obvious that the llama could not properly eat, because the teeth were partially dislocated in direction to the upper hard palate and mechanically prevented the complete closure of the mouth. Given that this was an older injury and that the ossification already occurred in a dislocated position, it was not possible to carry out the incisors reposition. Therefore, it was approached to extraction of the incisors under the total injection anesthesia. Following the extraction of the incisors, debridement in fracture line was performed. Then intraoral cerclage was used to retract the caudal wall of the alveolar remains back to the physiological position along with the mucosa and bone base. Cerclage was performed using a 1.2 mm diameter osteosynthetic wire. After recovering from the anesthesia, llama started to eat without any complications. Post operative medical therapy included systemic antibiotics and NSAID. In 14 days cerclage was removed and the healing continued with Healing by secondary intention of the wound. The wound was daily flushed and food residue was manually removed.

Intraoral cerclage was successful for reconstruction of lower jaw. The animal was able to eat properly and improved the nutritional status.

Fractures of incisor part of mandibular are common within camelids. Intraoral cerclage is one of the option how to deal with this type of fractures. It was successful in this case, where we had to deal with older jaw injury.

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