Treatment and Outcome- Wound was lavaged with diluted bethadine and debris removed. Animal was placed in ventral position under general anesthesia. Using a 18G needle two orthopedic wires was placed around the root of central incisors beneath mucosal tissue and twisted in rostral mandible. Using interrupted suture patterns, the mucosa sutured. Mucosal color returned to normal immediately after surgery and after 2 month follow wound was healed and calf was able to eat normally.

Clinical Relevance- The recommended method for reduction of fractures extending caudal to fourth incisor is to place wire at the base of the teeth and passing and twisting it around the first cheek teeth or at drilled hole in the interdental space. Wire can slip, break, cut the mucosa or interrupt blood circulation if not placed properly. Method was modified; leaving only the twisted part out, reducing the risk of slippage or breakage, easier placement, less malocclusion, and giving more reliable stabilization.

Key Words- Mandible fracture, Orthopedic wire, Calf

References

Conclusion and Clinical Relevance- Foot-and-mouth disease (FMD) is a highly contagious and usually acute affliction of cloven-hoofed animals and camels caused by a virus of family Picornaviridae. In cloven-hoofed livestock the disease is usually characterized by high morbidity, low mortality and the development of vesicles and erosion in the mucosa of the mouth and skin of interdigital spaces and coronary bands. The high incidence of FMD in productive parts of horny tissues following opportunistic injuries such as interdigitalphlegmon are reasons for high activity of the virus or its products in coronary band and surrounding skin of hooves. Zone 9 lesions at the top of coronary band are one of this type of lesions. In some cases, especially in interdigital it makes more complications that may result to vertical cracks and excessive granulation tissue in zone 12. Complications of FMD lesions in hooves should be controlled otherwise problems may lead to early culling of the animal. It should be noted that many of lesions and complications may arise long time after onset of the disease.

Key Words- FMD, Hoof, Cow, Interdigital Phlegmon, Digital dermatitis

References