

Injuries in Working and Sport Horses

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Annotation: In a scientific paper, the use of eco-friendly, low-cost medicinal herbs and low-cost liquid medicines has been shown to be effective in the treatment of secondary injuries in horses.

Keywords: Hippodrome, multiplicity, reduced solution, medicinal herb, "Blood broom", injury, complication, antibiotic, Metrogel, pathological focus, regeneration.

Enter. In our republic, horses are bred and trained mainly in hippodromes, livestock farmers and private farms. Currently, in the national economy, horses are used for carrying goods, horse sports and travel, hippotherapy, and precious gas and silver products. This is a great responsibility for livestock farmers and private farms. With the intensive development of horse breeding, their effective use, taking into account the ecological environment, creation of new breeds, improvement of existing horse stocks, keeping, growing and breeding taking into account zoohygienic requirements, creation of a balanced food base according to age, type, breed, physiological characteristics, work performance. In addition to the development of rations, the meeting of infectious, invasive and non-infectious diseases that occur in them, as well as the improvement and prevention of their treatment by accurately diagnosing them, is one of the urgent problems of the present time.

The origin of injuries from non-infectious diseases in working horses and participating in various types of sports causes open and closed injuries. One of the main tasks of this day is to study the mechanism of inflammatory processes and the level of occurrence of the inflammatory processes in the pathological zone of wounds of different etiology, to make accurate diagnosis, to develop effective methods of prevention and treatment.

Surgical diseases account for 55-60% of non-infectious diseases that occur in horses belonging to livestock farmers and private farms of our republic, of which 30-35% are open and closed wounds in the skin and subcutaneous soft tissues, 20-26% are internal diseases and intestinal torsion, 10-14% are intestinal coprostasis.

A number of deficiencies in the training, cooling, and feeding of horses for work and sports cause injuries, and as a result, the metabolic process in the pathological center is disturbed and negatively affects tissue trophism.

Research object and methods. The research was carried out on 6-10-year-old horses of different breeds and colors belonging to the "Chorvachi Beklar" farm belonging to Isakov Ghairat, Jomboy district, and were divided into two groups. General clinical signs of injured horses before and during the experiment, body temperature, breathing and heart rate were checked regularly. General examinations - visual, percussion, palpation, auscultation, special examination methods - probing,

cellophanography and bacteriological examinations were used. During the research, the general condition of the horses, inflammatory processes at the site of the injury were studied, and a 10% complex ointment made from environmentally friendly medicinal herbs and a reduced physiological solution were used for treatment. The obtained blood samples were checked for morphological, biochemical and immunological indicators.

Analysis of the obtained results. Based on the anamnesis data, the etiopathogenesis, size, nature, regional location, lip, bottom of the wounds were divided into two groups.

During the Kopkari games, a number of horses gather around the goat and bite, kick, trample each other, and fall, resulting in bites, stings, cuts and lacerations. Wounds were cleaned of dirt, old and purulent wound discharge samples were taken and bacteriological tests were carried out to determine the biological characteristics of the pathogenic microorganism and sensitivity to antibiotics. In our research, based on bacteriological tests, the presence of staphylococcal and streptococcal pathogenic micro-organisms was found in the wounds of the hip and neck area of 3 horses. In compliance with the rules of aseptic and antiseptic, it was washed with 3% hydrogen peroxide in order to prevent a septic process. The bleeding stopped. The lips of the wound, the bottom, the tissues in the pathological focus and the color of the flowing exudate were studied.

Horses were fixed before starting operative molasses. In order to fix fast horses, 1 ml per 100 kg of horse weight was injected into the sacral muscle. The lips and wall of the wound were cleaned of necrotic tissue.

In order to treat the horses of the first experimental group, 250 ml of 0.9% reduced physiological solution was administered through the umbilical vein once every 2 days during the experiment. Cleaned wounds were sprinkled with a complex powder once a day, and penicillin and streptomycin sulfate drugs dissolved in 20 ml of 0.5% novocaine solution at the rate of 4,000 TB per 1 kg of tricycle weight were injected once a day. From the 3rd day of treatment, the medicinal herb "Konchopidan" 10% complex ointment was applied once a day.

Treatment of the horses of the second experimental group was carried out as described above, only instead of 250 ml of 0.9% reduced saline, 200 ml of high activity "Metrogel" was administered through the jugular vein once every 2 days.

From the conducted scientific studies, we were convinced that the exudate from the wound completely stopped in the horses of the first experimental group on the 3rd day of the experiment. By the 4th day of the experiment, the swelling and pain around the pathological focus disappeared, the regenerative healing process increased. By the 8th day, the regenerative tissue was pale purple in color, and the wound bed began to fill. On the 10-12th day, the wound formed a permanent scar.

In the horses of the second experimental group, exudate from the wound completely stopped on the 5th day of the experiment. By the 6-7th day of the experiment, the swelling and pain around the pathological focus disappeared, the regenerative healing process increased. By the 11-12th day, the regenerative tissues became light purple in color, and the bottom of the wound began to fill. By 15-16 days, the wound has completely healed and formed a thicker scar.

Summary. In order to treat the horses of the first experimental group, during the experiment, 250 ml of 0.9% reduced physiological solution was injected through the umbilical vein once every 2 days, and a complex prepared by crushing 3 capsules of Rifampicin, 6 tablets of streptocide and 4 tablets of chloramphenicol once a day was applied to the cleaned wounds. the powder was sprinkled, 4000 TB of penicillin and streptomycin sulfate drugs per 1 kg of live weight were dissolved in 15 ml of 0.5% novocaine solution and applied circularly once a day. From the 3rd day of treatment, the healing process of the wound was reduced to 3 days when a 10% complex ointment from the medicinal herb "Kon'chopidan" was applied once every 2 days.

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