RESTORATION OF BONE TISSUE OF ANIMALS ON THE BASIS OF THE APPLICATION OF ELECTROMAGNETIC RADIATIONS

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Розглядається розробка ефективних немедикаментозних методів відновлення кісткової тканини кінцівок тварин на основі застосування низькоенергетичних (інформативних) електромагнітних випромінювань надвисокочастотного діапазону довжин хвиль.

Animal injuries are the most common group of diseases among all non-communicable diseases. It accounts for up to 50% of the total morbidity of animals.

In most cases, the causes of animal injuries are violations of the rules for their feeding, maintenance and operation.

Because of injuries and their complications, sick animals reduce productivity, they are prematurely culled and often die. This causes great economic damage to the farms. Therefore, reducing losses from injuries is one of the most important tasks of veterinary specialists and all livestock workers.

Currently, to restore the bone tissue of injured limbs of animals, medical methods of treatment are mainly used. The use of antibiotics and other medicines to restore animal bone tissue in most cases is ineffective and unsafe.

Therefore, the development of effective non-drug methods for restoring the bone tissue of animal limbs is an urgent task. The solution of this problem is possible on the basis of the use of low-energy (information) electromagnetic radiation in the microwave range of wavelengths.

The data of numerous studies have suggested that with certain parameters of electromagnetic radiation, a beneficial effect on the course of treatment can be achieved in many diseases that this type of organism can fight.

Penetrating into the body, these radiations at certain (resonant) frequencies are transformed into information signals that control and regulate the recovery or adaptive processes in it. In animal husbandry, ultra-high-frequency and ultra-high-frequency therapy is the method that will fundamentally and advantageously differ from previously existing physiotherapeutic procedures. In some cases, it can replace medical and surgical methods of tissue repair.