THE STUDYING OF THERAPEUTIC EFFICACY AND SAFETY OF VETERINARY MEDICINAL PRODUCT TRYFUSOL 1% IN COMPOSITION OF COMPLEX THERAPY AGAINST BABESIOSIS IN DOGS


State Scientific Research Control Institute of Veterinary Medicinal Products and Feed Additives, 11, Donetska str., Lviv, 79019, Ukraine

The article presents the results of efficacy study of Tryfuzol 1% solution for injection using dogs of different breeds, age and body weight as drug of symptomatic treatment of dogs suffering from babesiosis caused by *Babesia canis*. The administration of medicinal product Tryfuzol 1% at complex treatment of dogs guarantees high therapeutic efficacy. The seasonality with two peaks of morbidity, dependence of pathology on age, breed and gender were determined.

The obtained results of clinical tests of therapeutic efficacy of Tryfuzol 1% solution for injection, produced by Kharkiv state biofactory as part of complex therapy demonstrated that it is effective aids for relief of intoxication process, hepatoprotective and immune stimulating effect against babesiosis in dogs. The mechanism of action of active substance is activation of biochemical processes in the tissue cells.

After treatment with a specific veterinary medicinal product Pyro-stop, according to the leaflet insert, veterinary medicinal product Tryfuzol 1% and other symptomatic treatments (rehydration therapy, antihistamines) general clinical condition of the animals improved in 5-7 days. In animals, which have not entered Tryfuzol 1% improvement of clinical condition was observed much later.

To confirm the positive changes in the dogs after treatment at 14 days was carried out repeated taking of blood for laboratory testing. For certain morphological and biochemical indices of blood observed a positive trend: increasing hemoglobin levels, increasing the number of red blood cells, and white blood cell count and performance leykoformuly ranged within the physiological norm for this type of animal. On the reduction of inflammatory and toxic processes in animals after treatment and suggests approaching the physiological norms blood biochemical parameters, a significant reduction in the level of bilirubin.

The tested veterinary medicinal product did not influence negatively the clinical state of animals and tested hematological and biochemical indices during observation period.
The number of sick dogs suffering from babesiosis increases annually, that is why it is necessary to perform antiparasitic preventive measures.

**Key words:** DOGS, TRYFUZOL 1%, HEMATOLOGICAL PARAMETERS, BABESIOSIS, THERAPY.