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PAGES: 47-47

ORIGINAL PDF URL: <https://dergipark.org.tr/tr/download/article-file/957327>



International VETEXPO-2019 Veterinary Sciences Congress
September 20-22 2019. Double Tree by Hilton Hotel, Avclar /Istanbul, Turkey

Oral presentation

The pathogenetic method of treatment of purulent wounds in dogs

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Abstract

The effectiveness of the pathogenetic method of treatment of purulent wounds in dogs with on application 1,5 % solution of reamberine, prepared on its basis, was clinically, theoretically and experimentally justified, which was confirmed by objective criteria for assessing the clinical condition of animals and by morphological, biochemical studies. Treating dogs with purulent wounds included primary surgical treatment of wounds, retention suture stitching and Levomecol ointment administration through passive drainage application. 1,5 % solution of reamberine at a dose of 10 ml/kg body weight was injected intravenously to animals of the experimental group were for 5 days. Dogs in the control group were injected with 5 % glucose solution at a dose of 10 ml/kg of body weight for 5 days. The animals of experimental group, which in took 1,5 % solution of reamberine, the absence of purulent exudates in the cavity of the wound was found on the $3,2 \pm 0,18$ day of treatment, i.e. 1,3 times ($p < 0,01$) faster than that in the control animals. The best therapeutic effect was obtained in the group of animals treated with Reamberine. Wound healing and suture removal occurred on the $8,4 \pm 0,21$ day of treatment, which was 1,3 ($p < 0,001$) times faster compared with the control group. The recovery of blood parameters took less time compared with the control animals: on the 7th day of treatment the level of MDA, fibrinogen, superoxide dismutase (SOD) plasma activity, the percentage of total antioxidant activity (LAA) of plasma, and on the 10th day of treatment – the number of MSM, total protein, ceruloplasmine, catalase.

Keywords: purulent wound, dog, treatment, reamberine solution.

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VETEXPO-2019 homepage: <http://vetexpo.org/>
Journal homepage: <http://dergipark.gov.tr/>



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