

# TREATMENT OF OSTEOARTICULAR INFLAMMATIONS IN DOGS

## USING PLATELET RICH PLASMA.

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***Growth factors, rehabilitation therapy, platelet rich plasma, pathology, joints, dogs.***

*The review of modern literary sources to the questions of dogs' orthopedy is shown in the article. In this work analyzed the principles and methods of Platelet Rich Plasma preparing. The question of the indications and contraindications of platelet -rich plasma using, reasons of PRP using and the principles of their influence on tissues regeneration were described. The purpose of research. The aim of our research was to study cell growth factors and principles of their use in the treatment of diseases of the joints in dogs.*

*Materials and methods. The object of the study were the literature on the use of growth factors in veterinary practice. Methods: analytical.*

*One of the available methods of treatment - a treatment using plasma rich platelets (Platelet Rich Plasma, PRP). PRP - platelet concentrate is autologous in a small amount of plasma.*

*Platelets - morphology of blood components that are actively involved in blood clotting. During their destruction is also made factors stimulate tissue regeneration. Action platelets is not limited to the formation of the clot, and determines an integral part of recovery. The study of the structure and properties of platelets allowed the main factor in tissue growth. The highest concentration observed in grain platelets and released in response to tissue damage. Their main task is to stimulate cells to intensive migration to place tissue damage, their reproduction and differentiation, as well as initiate proliferation of blood vessels.*