

THE MARKERS OF BONE TISSUE'S METHABOLISM IN DOGS.

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In the article shows down the review of modern literary sources to the questions of dogs' bones pathology. In article analyzed the methods of bone tissue metabolism markers investigation. The question of the bone tissue metabolism markers investigation using for diagnostic, differentiation and treatment control of dog's limb pathology was described.

The aim of research – to explore markers of bone metabolism in dogs, principles their definition and to establish their expediency of using in the diagnosis of abnormalities in skeletal dogs.

Material and methods. The object of the study was literature on issues about skeletal pathology of dogs. Methods are analytical.

Conclusions

1. The markers of bone formation are: osteocalcin, general and specific bone alkaline phosphatase, procollagen C- and N-peptides.
2. Markers of bone resorption are: tartrate-resistant acid phosphatase, and pirydynolin dezoksypirydynolin, degradation products of collagen type I - N- and C-telopeptide, calcium and hydroxyproline fasting and hydroxylysine glycosides.
3. Identification of markers of bone metabolism in dogs is necessary for the diagnosis and differentiation of various kinds of pathology skeleton.