PREVENTION OF OBSTETRIC PATHOLOGY IN COWS
BY PREPARATIONS WITH NANOMATERIALS

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Natural reproduction of cattle requires a yearly get one viable, healthy and sustainable in the tribal attitude of the calf. If the cow does not meet these requirements, it entails losses, that is unprofitable its content. This applies to cows not only dairy, but also meat breeds. Therefore, disorders of fertility is an important issue. One of the causes of infertility in beef cows is obstetric pathology, which is found in a third of cows during and after childbirth. The problem of obstetric pathology in beef breeds is current as of today. According to data of observations over a number of years, beef cows obstetric pathology occurs in 10 to 16 % of pregnant animals [5].

Prevention of obstetric pathology should be directed primarily to the stimulation of protective forces of an organism of cows [12].

Postpartum endometritis remains one of the most important problems of modern cattle breeding. The incidence of this disease is 12-60% of cows after calving [2]. In addition to local and symptomatic treatment important is the use of pathogenic and non-specific therapy aimed at improving the General resistance of the organism.

High efficiency of application of metal nanoparticles due to their participation as cofactors in biochemical reactions and as activators of regenerative processes in the animal organism [14].

In the prevention and treatment of obstetric pathology cows rather acute problem of diseases caused by opportunistic microflora, in this regard, In the prevention and treatment of this pathology is widely used antibacterial drugs. However, the use of antibiotics is not always effective and has the risk to accumulate in the muscles and move up in the milk that makes veterinary medicine to look for more effective means of combating pathogenic microorganisms. Given these factors, it is advisable to learn how to use nanoaquachelates metals, which not only possess antiseptic properties, but also a variety stimulant activity – hemato-genic, immune-genic, regeneration, etc.

Nanoaquachelates metals have a complex effect in the absence of toxic side effects, non-addictive microflora, do not reduce the quality of the resulting product, characterized by relatively low cost.

Nanoaquachelates metals shape considerably improves without exception antiseptic and nutrient properties of metals that gives them the use of special etiotropic and pathogenic usefulness.
This the complex application nanoaquachelates metals for prophylactic and therapeutic purposes in the postpartum pathologies were more effective than conventional therapeutic and preventive agents that could be recommended for use in practical veterinary medicine.

**Keywords:** POSTPARTUM ENDOMETRITIS, NANOAQUACHELATES METALS, SILVER, COPPER, IRON.