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Etiology and Symptomatics of Dyspepsia in Lambs

N. B. Ruzikulov
Associate professor, Samarkand State University of Veterinary Medicine, Livestock and Biotechnology

S .S. Askarov
Assistant, Samarkand State University of Veterinary Medicine, Livestock and Biotechnology

P. Khasanova
Gifted student, Samarkand State University of Veterinary Medicine, Livestock and Biotechnology

Abstract: The article provides an analysis of the results of scientific research aimed at determining the etiology and clinical signs of dyspepsia in lambs in different geographical zones of Uzbekistan.

Keywords: Dyspepsia. Antenatal causes. Metabolic disorders in pregnant sheep. Postnatal causes. Unsanitary conditions in sheep farms. Diarrhea. Dehydration. Intoxication.

Relevance. In fulfilling the tasks provided for in the Law of the Republic of Uzbekistan ZP-4576 dated January 29, 2020 “On additional measures for state support of the livestock industry”, as well as in other regulatory documents aimed at improving the living standards of the population of the republic by comprehensively increasing the quantity and improving the quality of livestock products, one of the main inhibitory factors is animal diseases, including dyspepsia.

Dyspepsia is a serious illness of young children in the first 7-10 days of life and is manifested by digestive disorders, metabolism, dehydration and intoxication of the body.

We have found that in some sheep farms, dyspepsia affects an average of 30-40% of the population of newborn lambs and almost all sick lambs die.

Research results. Experiments show that the main antenatal causes of dyspepsia in lambs are profound metabolic disorders in the body of pregnant ewes in the form of ketonuria, osteodystrophy, lichen, nutritional dystrophy, and hypothyroidism. Postnatal causes include gross violations of feeding conditions and unsanitary keeping of newborn lambs. Concomitant factors for lamb dyspepsia in many regions of the Republic of Uzbekistan are high soil salinity and man-made pollution, such as poisoning of pregnant ewes with industrial fluorine, etc.

Sick lambs become inactive, they exhibit diarrhea, decreased sucking reflexes, and signs of dehydration, i.e. sunken eyes, dry skin, thickening of blood during collection or intravenous administration of solutions, etc. Further, abdominal pain during palpation, peripheral decrease in body temperature to 36.5-37.0 C, tachycardia, shortness of breath with transition to bradycardia and shortening of breathing . With toxic dyspepsia, death occurs within 48-72 hours. At autopsy there were signs of diarrhea, nutritional dystrophy, dehydration, curdled clots in the abomasum and spleen atrophy.

Conclusions.

1. The main antenatal causes of dyspepsia in lambs are profound metabolic disorders in the body of pregnant ewes in the form of ketonuria, osteodystrophy, lichen, nutritional dystrophy, hypothyroidism, high soil salinity and man-made pollution, such as poisoning of pregnant ewes with industrial fluorine, etc.
2. The main postnatal causes of dyspepsia in lambs are gross violations of feeding conditions and unsanitary conditions of newborn lambs.
3. Dyspepsia in lambs is accompanied by immobility, diarrhea, decreased sucking reflexes, dehydration (sunk eyes, dry skin, thickening of blood when taking or intravenous administration of solutions, etc.), abdominal pain during palpation, peripheral decrease in body temperature, tachycardia, shortness of breath with transition to bradycardia and shortening of breathing.

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