

CHANGES IN BIOCHEMICAL INDICES OF BLOOD SERUM OF DRY AND DAIRY COWS AND OF COWS WITH POSTNATAL PARESIS

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Summary. The deficiency of calcium, phosphorus and magnesium in fodder leads to the lack of these elements in the blood and causes various diseases. The aim of this work was to determine the dynamics of the content of calcium, phosphorus and magnesium in the blood serum of healthy (dry and dairy) and sick cows. It was determined that the blood serum of dry cows contained the following concentrations of inorganic substances: calcium 2.19 ± 0.03 mol/l, phosphorus 1.02 ± 0.10 mol/l, magnesium 0.87 ± 0.09 mol/l. The blood serum of dairy cows contained the following concentrations of inorganic substances: calcium 2.03 ± 0.06 mol/l, phosphorus 0.96 ± 0.10 mol/l, magnesium 0.74 ± 0.61 mol/l. In the blood serum of cows with postnatal paresis the content of these elements decreases: calcium to 1.41 ± 0.10 mol/l, phosphorus to 0.66 ± 0.05 mol/l, magnesium to 1.17 ± 0.02 mol/l.

Keywords: calcium, phosphorus and magnesium content in the blood serum of cows, postnatal paresis