Abstract:

The transitional period is referred to as the period of the life of the cows, which is three weeks before partum and three weeks after it.thi coure I very important beacause of the metabolic and phisiologycal change. Also, attention to livestock hygiene during this period has a great impact on livestock production, livestock health and livestock reproduction. Considering the specificity of the breed of Sistani cows, racial resistance to certain diseases, high quality meat and , live stock desire to rapid growth and large scale policymakers, this study examined the possible changes in the parameters of the biochemical profiles of this breed during the transitional period it placed. In this study, some important biochemical parameters including calcium, phosphorus, magnesium, cholesterol, triglyceride, LDL, HDL, glucose, total protein, urea, creatinine, LDH at weekly intervals during the transient period (three weeks before partum until three weeks after birth) was measured and compared. These parameters were measured from blood taken from the jugular vein by an autoanalyzer and spectrophotometer. The values of HDL measured in the plasma of Sistani's cow peaked at a maximum of 3 weeks after birth to 102 mg / dL, which is higher than the reported values in other studies. In these cows, BHBA levels are increasing during the transitional period and in the last two weeks the transition period was higher than the standard values (1200 mg / dL). In almost all cases, NEFA levels were higher than standard standards (0.41 mmol / l). These findings indicate an imbalance of intake and consumption energy

Keyword: Transition period, Sistani cattel,Biochemical Parameters

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