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Evaluation of total antioxidant, total calcium, selenium, insulin, free triiodothyronine and free thyroxine levels in cows with clinical and subclinical ketosis

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This study was carried out to assess the activity of total antioxidant (TAOC) and total calcium (Ca), selenium (Se), insulin, free triiodothyronine (fT3) and free thyroxine (fT4) levels in cows with subclinical and clinical ketosis. Significant changes were noted in the serum levels of TAOC, Ca, Se, fT3, fT4 and insulin hormone in cows with subclinical and clinical ketosis. The study identified important parameters, which can be used for the prognosis and treatment management of cows with ketosis. Their use will also help reduce the economic losses suffered by dairy farmers as a result of the disease.

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