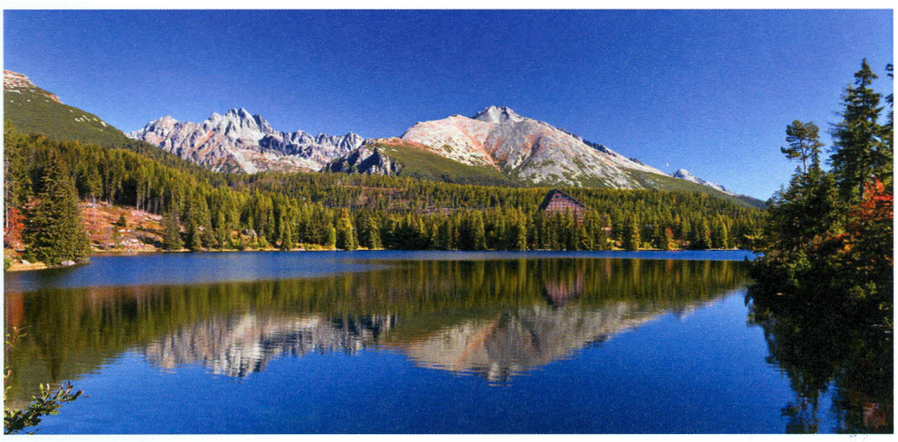
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XVII. Middle European Buiatrics Congress

PROCEEDINGS BOOK

May 3 – 6, 2017



Hotel Patria, Štrbské Pleso – High Tatras, Slovakia

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Evaluation of Cobalt, Vitamin B_{12} and Homocystein levels in Cattle infected with *Theileria annulata*

Denizhan, V[1], Kozat, S[2]*, Özkan, C[2]

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Abstract: This study was conducted to assess the pattern of changes and the relative values of homocysteine in bovine tropical theileriosis. The diseased group comprised of 20 cattle (2–3 years old) naturally infected with *Theileria annulata.* As control group, 10 uninfected cattle were also sampled. While cobalt (Co), vitamin B_{12}, folate, total protein (TP), globulin values were determined significantly lower than control group ($P<0.001$), serum homocystein (Hcy), creatine kinase-myocardial band (CK-MB), alkaline phosphatase (ALP), alanine aminotransferase (ALT), aspartate aminotransferase (AST), creatine kinase (CK), lactate dehydrogenase (LDH), creatinine, urea, and blood urea nitrogen (BUN) concentrations were determined higher than control group ($P<0.001$).
As a result, decreases in serum B_{12} vitamin concentrations of cattle with theileriosis lead to increases in serum Hcy level.

Keywords: Cattle, *Theileria annulata*, Homocystein, Cobalt, Vitamin B_{12}

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XVII. Middle European Buiatrics Congress
Štrbské Pleso – High Tatras, Slovak Republic, May 3 – 6, 2017

Dear Prof. Kozat,

The scientific committee of the XVII. Middle European Buiatric Congress is pleased to inform you that your abstract entitled „**Evaluation of Cobalt, Vitamin B_{12} and Homocystein levels in Cattle infected with *Theileria annulata***" has been accepted as **oral presentation.**

The estimated time for oral presentation is 10 minutes on May 4, 2017. Later there will be a discussion of 5 minutes maximum.

Please note that this letter has been sent to the contact person of the abstract, so please inform your co-authors about the acceptance.

Looking forward to meeting you in High Tatras – Slovakia.

On behalf of the organizing committee

Dr. Csilla Tóthová, PhD.

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