

3<sup>rd</sup> International Conference on

## VETERINARY &amp; LIVESTOCK

November 02-03, 2017 Bangkok, Thailand

**Evaluation of serum cobalt, copper, iron, calcium, phosphorus and magnesium concentrations in cattle naturally infected with *Theileria annulata*****Suleyman Kozat, Vural Denizhan and Cumali Ozkan**  
Yuzuncu Yil University, Turkey

The purpose of this study was to evaluate serum albumin, glucose, calcium (Ca), cobalt (Co), copper (Cu), Iron (Fe), magnesium (Mg) and phosphorus (P) in cows with naturally infected with *Theileria annulata*. The material of this study was a total of 15 cattle with different ages, breeds and genders diagnosed as theileriosis according to clinical and microscopical examination. According to statistical analyses of biochemical parameters like serum glucose, Ca, Co, Cu, Fe, Mg and P concentrations were detected significantly low in cattle with theileriosis ( $P < 0.001$ ). In conclusion, the mineral substance levels were altered in cattle naturally infected with *Theileria annulata*. Additionally, to the classical treatment of theileriosis, administering mineral supplements including Ca, Co, Fe, Cu, Mg and P to the animals is thought to be more useful in treatment.

skozat@hotmail.com