

**ASSESSMENT OF CLINICAL PARAMETERS, SINOVIAL FLUID AND HEMOGRAM OF GOATS WITH SIGNS OF VIRAL CAPRINE ARTHRITIS ENCEPHALITIS (CAEV).** Pinheiro, R. R.; Santa Rosa, J.; Vidal, C. E. S. and Moojen, V. EMBRAPA/CNPC, C.P. D-10 62100 Sobral, CE, Brazil.

Clinical parameters, blood values and sinovial fluid of 14 Brown Alpine, 3 Saanen and 2 Anglo-nubian goats which were CAEV positive, were assessed. Vital functions, such as body temperature, heart rates, respiratory rates and ruminal movements ranged within normal values to goats. It was observed hypertrophy of prefemoral lymph nodes in 91% goats. Blood values showed the following average and standard error: erythrocytes ( $10.3 \pm 0.89 \times 10^6/\text{mm}^3$ ); PCV ( $22.2 \pm 1.5\%$ ); hemoglobin ( $6.8 \pm 0.5 \text{ g/dl}$ ); leukocytes ( $7,200 \pm 1,000/\text{mm}^3$ ); neutrophils bands ( $148.4 \pm 34.3/\text{mm}^3$ ); neutrophils ( $3,163.7 \pm 857.4/\text{mm}^3$ ); eosinophils ( $259.6 \pm 97.2/\text{mm}^3$ ); basophils ( $1.7 \pm 1.7/\text{mm}^3$ ); lymphocytes ( $3,995 \pm 345.3 \text{ mm}^3$ ) and monocytes ( $293.6 \pm 72.7/\text{mm}^3$ ). Relatively low erythrocytes count component values are justified by parasitic infection with *Haemonchus contortus*. Carpal-metacarpal joints were the most affected (100%). These joints were swelled and carpal and metacarpal circumference measures showed average differences of  $8.09 \pm 0.2 \text{ cm}$ . Sinovial fluid in these joints had a  $1,022 \pm 0.001$  density,  $3.21 \pm 0.18 \text{ g/dl}$  total protein,  $3,995 \pm 879.1/\text{mm}^3$  leukocyte and  $25,695 \pm 15,012/\text{mm}^3$  erythrocytes. Erythrocyte and leukocyte values were high. Sinovial fluid showed 90% of mononuclear cells.