

Anaplasmosis among Camels in Iran and Observation of Abnormalities in Infected Blood Films

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Abstract : *Anaplasma* organisms are obligatory intracellular bacteria belonging to the order Rickettsiales, family Anaplasmataceae. This disease is distributed around the globe and infected ticks are the most important vectors in anaplasmosis transmission. There is a little information about anaplasmosis in camels. This research investigated the blood films of 35 (20 male, 15 female) camels randomly selected from a flock of 150 camels. Samples were stained with Giemsa and *Anaplasma* sp. organisms were observed in six out of 35 (17.14 %) blood films. There were also some changes in Diff-Quick and morphology of leukocytes. No significant difference between male and female camels was observed ($P>0.05$). According to the results anaplasmosis is presented among camels in Iran.

Keywords : anaplasma, anaplasmosis, camel, Iran

Conference Title : ICSLGC 2016 : International Conference on Sustainable Livestock and Global Challenges

Conference Location : Venice, Italy

Conference Dates : July 18-19, 2016