



## Unusual clinical signs presentation of tropical theileriosis (*Theileria annulata*) infection associated with orbital lesions in Calves in Al Muthhanna Province

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### Abstract

*This study is reported uncommon clinical signs presentation of Theileria annulata infection in ten calves in Al*

Muthanna veterinary teaching hospital. These calves were admitted to the clinic during the period extended from October 2020 to May 2021. The age of these calves were ranged between 1 to 5 months. All Calves were revealed severe enlargement of bilateral superficial lymph nodes especially the prescapular accompanied with disseminated multiple subcutaneous and intramuscular nodules. A severe bilateral orbital cellulitis and exophthalmia were observed in all cases. The calves were also showed fever, paleness, icteric mucus membrane, and obvious petechial hemorrhage on the oral cavity, tongue, and conjunctiva associated with lachrymation, severe respiratory syndrome and depression. Blood and Lymph smears were confirmed the presence of piroplasmic organisms and Koch's blue bodies, respectively. All cases were treated with a single dose of Buparvaquone ( 2.5mg/Kg BW), accompanied with long-acting oxytetracycline and other supportive therapy such as multivitamin and fluid therapy. According to the results of this epidemiological study the authors recommend to do another epidemiological study to investigate the features of tropical theileriosis in Al Muthanna province included all regions.

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