Seroprevalence and Associated Risk Factors of Brucellosis in Sheep and Human in Four Regions in Matrouh Governorate, Egypt.

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ABSTRACT
Brucellosis is a worldwide zoonosis that has major public health concern in Egypt. The present work was conducted to investigate the seroprevalence of brucellosis in sheep and human in four localities in North Western region of Egypt, on basis of the Rose Bengal plate test (RBPT) and further confirmation by complement fixation test (CFT). A total of 2471 sheep serum samples and 371 human samples were collected. The prevalence of brucellosis in sheep and human by using RBPT were 11% (272/2471) and 24.3% (90/371), respectively while by CFT were 10.56% (261/2471) and 22.91% (85/371). There was significant relationship between age and infection rate in sheep (P< 0.01), with higher percentage of infection was indicated in age group over than 24 months by 14.19% (264/1860) followed by age group less than 24 month and over 12 months by 2.39% (8/335). On studying the relation between locality and infection rate there was no significance in human samples while in sheep it was significant (P< 0.01) with higher percentage of infection found in Siwa region by 20.30% (94/463) in sheep and in human by 27.6% (27/98). Concerning season there is highly significant relationship between season and percent of infection with Brucella, the high percent of infection found in human and sheep by 43.1% (62/144) and 16.51% (123/745) respectively and lower percent found in spring months by 8% in sheep. From our result, it is concluded that RBPT and CFT used as screening tests for detection the prevalence of species in serum samples, Brucella infection is found with high percent in north, west region of Egypt, which need further examination and studying another risk factor associated with infection and isolation of Brucella in this area.

Keywords: Brucellosis, Complement fixation test, Human brucellosis, Rose Bengal plate test, Sheep
El-Masry KA, Abdalla EB, Emara SS and Hussein AF. (2018). Effect of Dried Rosemary Supplement as Antioxidant Agent on Blood Biochemical Performances in Cattle. This trial aimed to study the effects of Rosemary (RM) supplementation on calves’ growth performance through alleviating oxidative stress.


ABSTRACT

This study was performed at the governorate of Alkhurmah, Kingdom of Saudi Arabia. Twenty lambs (10 males and 10 females), each gender divided into two subgroups the first subgroup of each gender served as control while the second was supplemented with probiotics. The supplementation used as the important biological additives for enhancing growth indices and immunity status of growing sheep. Each lamb was supplemented with probiotics in diet (10 CFU, 1g Alpha amylase and 20g sea wood powder / kg diet) for six months. The results indicated that lambs supplemented with probiotics in diet had better total weight gain) compared with control subgroups in both genders. Probiotics increased (P<0.05) plasma total lipids and cholesterol, increased vitamin A and E concentrations, increased plasma total proteins and albumin concentrations. In conclusion, probiotic supplementations can be used as the important biological additives for enhancing growth indices and immunity status of growing sheep.
Successful Surgical Management of Corneo-conjunctival Dermoid Cyst with Bilateral Nasal Choristoma in a Red Kandhari Calf.

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**ABSTRACT**

An old Red Kandhari calf presented at teaching veterinary clinical complex, veterinary college Parbhani with corneo-conjunctival haired masses on the left eye and bilateral nasal growth at nasolabial planum since birth. As the mass was completely covering on cornea due to which vision was hindered completely after physical examination and considering the health status of the calf the surgery was scheduled. The masses were surgically excised from the cornea and bulbar conjunctiva of eye and the left and right side of the dorsomedial nasolabial planum. Then the eye was flushed with normal saline and the tissue of both corneo-conjunctival and nasal were stored in 10% formalin later histopathology of the excised tissue confirmed as a unilateral corneoc-onjunctival dermoid with ectopic lacrimal glands and bilateral nasal choristomas with loose stroma and hair follicle. Two months of follow up was done where there was no reoccurrence of the growth observed. Surgery was curative and healing was uneventful.

Keywords: Calf, Corneoc-onjunctival dermoid, Nasal choristoma