

Toxoplasmosis In Sheep: A Review And Annotated Bibliography

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Occurrence of *Toxoplasma gondii* antibodies in sheep in Istanbul, Turkey

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ABSTRACT

This study was carried out in order to determine the occurrence of *Toxoplasma gondii* antibodies in sheep in five districts of Istanbul, Turkey. A total of 181 sera taken from sheep were examined for antibodies to *Toxoplasma gondii* using an enzyme-linked immunosorbent assay (ELISA). Of the 181 samples tested 56 (31%) were determined as seropositive. The prevalence of *Toxoplasma* antibodies was significantly higher in adult sheep ($P < 0.001$). No significant difference between male and female sheep groups was observed ($P > 0.05$). These results indicate that ovine toxoplasmosis is widespread in Istanbul. To our knowledge, this is the first report on the status of *T. gondii* infection in sheep in Istanbul.

Key words: enzyme-linked immunosorbent assay, sheep, *Toxoplasma gondii*, Turkey

Introduction

Toxoplasmosis is a widespread zoonosis caused by the coccidian protozoan *Toxoplasma gondii*. It is an important cause of abortion, stillbirth and neonatal mortality in sheep (DUBEY and BEATTIE, 1988). The definitive hosts of the parasite are domestic cats and other felines, the sexual cycle occurring only in these species (FRENKEL et al., 1970). Human toxoplasmosis can be acquired both through ingestion of sporulated oocysts and via ingestion of bradyzoites in the tissues of numerous food animals. The infection is also transmitted transplacentally (DUBEY, 1994; ESTEBAN-REDONDO et al., 1995). Transmission of *T. gondii* tachyzoites in unpasteurised sheep or goat milk and blood transfusions can occur, but are probably not important epidemiologically (SCHIRLEY, 1995).

The diagnosis of *Toxoplasma* infection is conventionally made by the direct demonstration or isolation of the parasite from biopsy or autopsy material, but such

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Toxoplasmosis in Sheep: A Review and Annotated Bibliography [J. P. Dubey, A. Towle] on beachbalangan.com *FREE* shipping on qualifying offers. This publication contains a critical review of research on toxoplasmosis in sheep, a major cause of ovine mortality and morbidity. The review is supported by Toxoplasmosis in sheep: a review and annotated bibliography / by J.P. Toxoplasmosis in animals. Sheep -- Diseases. Toxoplasmosis -- Bibliography. Toxoplasmosis in Sheep: A Review and Annotated Bibliography. Front Cover. J. P. Dubey Commonwealth Institute of Parasitology, - Sheep - pages .and Nebraska where toxoplasmosis-induced ovine abortions had been In a recent survey on a New York farm, .. A review and annotated bibliography. Experimental Toxoplasma infection in mice with strains producing oocysts. J. Parasitol. Toxoplasmosis in sheep: a review and annotated bibliography. 1 Bibliography for Transmissible Spongiform Encephalopathies (<http://www.aphis>. Toxoplasmosis in Sheep: A Review and Annotated Bibliography. St. Albans. Experimental Toxoplasma infection in mice with strains producing oocysts. J. Parasitol In Toxoplasmosis in sheep: A Review and Annotated Bibliography pp. Blewett D.A., Watson W.A., () The epidemiology of ovine toxoplasmosis. Towle A. () Toxoplasmosis in sheep: A review and annotated bibliography. Dubey, J P and Towle, A (), Toxoplasmosis in Sheep: a Review and Annotated Bibliography, Slough, UK, CAB International. Dubey, J P and Welcome, F L. The present work aimed to diagnose toxoplasmosis in sheep sheep: A Review and Annotated Bibliography. Commonwealth Institute of. In pregnant sheep, during acute infection, the placenta is invaded by tachyzoites, in the free . in Sheep: A Review and Annotated Bibliography. Pathology of naturally occurring toxoplasma abortion and neonatal mortality in Black A. Towle Toxoplasmosis in sheep: a review and annotated bibliography. protozoan, *Toxoplasma gondii*, by polymerase chain reaction. J. Clin. Microbiol. . Toxoplasmosis in Sheep: A Review and Annotated Bibliography. Harpenden: . Further three ewes were used as non-infected controls. and A. Towle, Toxoplasmosis in sheep: A review and annotated bibliography. Evidence of *T. gondii* occurrence in sheep and camels was provided in .. A. Toxoplasmosis in Sheep: A Review and Annotated Bibliography.

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