

Summary of the Msc. thesis No., **26023 . parasitology**, Faculty of Veterinary Medicine, Urmia University.

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**Title:** Investigating cystic sercosis infection in slaughtered sheep and goats of Shahin Dezh city.

**Abstract:**

Cysticercosis is a worldwide disease that affects farm animals. This condition, in sheep and goats, results in economic losses especially due to the condemnation of edible offals or meat. In this concern, the aim of this study was to examine cysticercosis among the sheep and goats slaughtered at a slaughterhouse in Shahindej, west Azerbaijan, Iran. From 2023 to 2024, the cysticercosis prevalence in 250 sheep and 250 goats at the Shahindej slaughterhouse was determined. Data regarding the animal species, sex, and the type of cysticercosis infection (*Cysticercus ovis* or *Cysticercus tenuicollis*) were recorded. In this study, out of a total of 500 sheep and goat carcasses examined in Shahindej slaughterhouse, 34 carcasses (6.8 %) were infected with *Cysticercus*. Female goats and sheep were more frequently infected than males ( $P < 0.05$ ). The difference in the frequency of infection in different age groups of sheep and goats was significant ( $P < 0.05$ ). The findings of this study indicated the high frequency of *Cysticercus* infection in sheep and goats in the region. Therefore, control methods, such as proper disposal of infected tissues and anthelmintic treatment of infected dogs, are necessary to reduce contamination and prevent economic loss in small ruminants.

**Key words:** *Cysticercus Tenuicollis*, *Cysticercus Ovis*, Sheep, Goats, Shahin dezh