

Abstract

Ixodidae family is one of the most great tick family of domestic animals that since 13 genus and 650 species in five subfamily of them has been reported. Ticks are the most important ectoparasites which cause heavy economic losses to livestock and transmit viral, rickettsial, bacterial and protozoal diseases. The goal of this research is assessment of ruminants contaminations development to difference tick family from quantitative aspect and also determination of found tick species diversity in Nehbandan location. A study of the ixodid ticks population of 69 camel, 181 sheep, and 279 goats in villages Nehbandan suburb, was carried out from summer 2015 to summer 2016. Ticks were collected from all parts of the body, each specimen was given field number and stored in a vial containing 70% ethyl alcohol. The ixodid tick indices infected were 10.7, 9.2, and 6.8 for camel, sheep, and goats, respectively. The highest tick aggregation was found for The tail in camel (23/1%) and ears in sheep (38%) and goats (42/4%). There was significant difference between predilection body sites. Of collected hard ticks from infested animals. Of all examined animals, 79/24% camel, 24/9% sheep, and 17/2% goats were infested with a total numbers of 1329 unfed ticks. A total of 14 species belong to families of Ixodidae and Argasidae. The tick species which were collected during this course of study are as follows: A: Family Ixodidae, a number of three genera including *Hyalomma* (81/11%), *Rhipicephalus* (15/5%), *Haemaphysalis* (2/6%) B: Family Argasidae, one genera, *Ornithodoros* (0/79%) with 5 specie species in camel, 9 speciein sheep, and 12 specie in goatswere respectively identified. The predominant infesting ticks were *Hyalomma Dromedarii* species (52/1% in camel) and *Rhipicephalus Sanguineus* species (21/1% in sheep) and *Rhipicephalus Turanicus* species (24/7% in goats) which was significantly different. The results of current study showed that ixodid ticks infestation was wide and prevalent in ruminants of the region.



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**The Thesis Submitted For The Degree of M.Sc
(In the field of Veterinary Parasitology)**

Title:

**Study on species diversity and
distribution of tick in Camel , Sheep
and Goat in Nehbandan**

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Sep 2016