

## عنوان مقاله:

Prevalence and morphological characterizations of *Linguatula serrata* nymphs in camels in Isfahan Province, Iran

## محل انتشار:

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## خلاصه مقاله:

*Linguatula serrata*, well known as tongue worm; is an aberrant cosmopolitan parasite, which inhabits the canine respiratory system (final host). The discharged eggs infect many plant feeder animals including human causing visceral and nasopharyngeal linguatulosis which is known as "Marrara syndrome". In current study, the prevalence of infection with *L. serrata* nymphs in mesenteric lymph nodes (MLNs) of slaughtered camels was investigated in Isfahan Province, Iran. The MLNs of ۲۳۲ slaughtered camels, including ۱۱۵ females and ۱۱۷ males, were examined for *L. serrata* nymphs. Camels were categorized into four age groups, namely under six months, six months to two years, two to four years and greater than four years. Also, the morphometrics of the nymphs were measured using the classic parasitology methods. Results showed that ۲۱.۱۲% of examined camels were infected with *L. serrata*. Age and sex had no significant effect on the prevalence of this parasite in camels. The size of the different parts of nymphs' body were recorded and evaluated. The infection rate to the nymphs of parasite in hemorrhagic and black-colored lymph nodes were significantly ( $P \leq 0.05$ ) higher than the infection rate in normal-colored nodes. Also, results showed that in soft lymph nodes, the infection rate was significantly ( $P \leq 0.05$ ) more than those of normal and hard nodes. A high prevalence of infection in camels suggests possibility of similar high rate of infection in other animals, and people in the investigated area. This, in turn, emphasizes the need for more preventive measures to reduce the risk of zoonotic outbreaks.

## کلمات کلیدی:

*Linguatula serrate*, Nymph, camel, Isfahan Province, Iran

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1818007>

