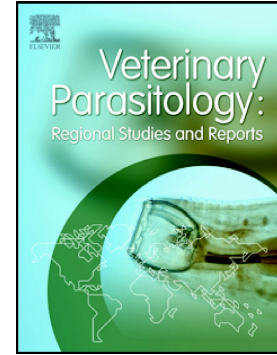


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Frequency of gastrointestinal and pulmonary helminth infections in wild deer from western Romania

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Abstract

A survey was carried out to assess the prevalence and the intensity of helminth infections in the roe deer (*Capreolus capreolus* L.), red deer (*Cervus elaphus* L.) and fallow deer (*Dama dama* L.) from 16 hunting areas in western Romania. Overall, 122 deer shot during the hunting season 2013-2015 were examined. *Haemonchus contortus*, *Nematodirus filicollis*, *Oesophagostomum venulosum* and *Dictyocalus* spp were found in all the deer species. *Trichuris* spp. and *Dicrocoelium dendriticum* were found in the roe deer and red deer and *Moniezia expansa* in roe deer, only. Overall, the prevalences (<35%) and the mean intensities (<20) were quite low in the abomasums and intestine, but *H. contortus* in fallow deer (>50%). No more than 2 or 3 helminth species were found in the abomasum, small and large intestine. Lung helminthes in the roe deer and fallow deer accounted for 57.1% and 71.4%, respectively. The only specie with a prevalence >50% was in the red deer. *D. dendriticum* was found in the liver of roe deer and fallow deer.

Keywords: *Capreolus capreolus*, *Cervus elaphus*, *Dama dama*, helminth, western Romania

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