

ABSTRACT

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Title: Assessment of the parasites' status and the effectiveness of selected drugs verified in two herds of deer and fallow deer

This thesis focused on evaluating the status of reared deer's parasites in hibernating object Pádolí and reared deer and fallow deer together in the breeding Žehušice. It was carried parasitological qualitative and quantitative examination of faecal samples, i.e. findings L₁ larvae of the pulmonary worms' genus *Elaphostrongylus cervi*, *Varestrongylus sagittatus* a *Dictyocaulus noeneri* and trematode eggs *Paramphistomum cervi*. In hibernating object Pádolí were detected only L₁ larvae pulmonary worms *Elaphostrongylus cervi* and *Varestrongylus sagittatus*. The average prevalence of positive findings before treatment was in each year of monitoring at *Elaphostrongylus cervi* 82,9 %, 82,0 % and 95,0 %, after treatment 64,9 %, 35,0 % and 100,0 %. For *Varestrongylus sagittatus* reached a prevalence before treatment in each year of monitoring 47,8 %, 56,0 % and 45,0 %, after treatment 16,2 %, 8,3 % and 32,0 %. Overall efficiency of therapeutic interventions reached only 74,0 %, 60,5 % and 12,6%. In the winter seasons 2010/2011-2012/2013 were ensured individual and anonymous samples of faeces of red deer and fallow deer in Žehušice. In droppings were found pulmonary worms *Elaphostrongylus cervi* and *Varestrongylus sagittatus*. Successful administration of drugs in combination with melioration of breeding environment contributed to significant reduction in the occurrence of observed parasites.