

The thesis: Pneumonematodoses of red deer population and results of its control in specific overwintering enclosure

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The thesis deals with a description of specific pneumonematodoses in red deer population, held in Pádolí overwintering enclosure (Orlické hory). The thesis is also focused on nematodoses of this population present during winter season 2009/10, their treatment (Vermitan 20% premix, a. u. v.) and evaluation of treatment efficacy. During winter season 2009/10 samples of faeces were repeatedly collected and examined larvoscopically for nematodes in a quantitative and qualitative way. In pre-treatment samples *Elaphostrongylus cervi* and *Varestrongylus sagittatus* were found with positive prevalence reaching 92 % and 30 %. Post-treatment samples also contain larvae of *E. cervi* and *V. sagittatus*, their prevalence rates are lowest shortly after treatment and rise in latter samples. The efficacy of albendazole in treating pneumonematodoses was evaluated insufficient.