

ABSTRACT

Charles University in Prague

Faculty of Pharmacy in Hradec Králové

Department of Pharmacology and Toxicology

Candidate: Mgr. Jana Kramerová

Supervisor: prof. RNDr. Jiří Lamka, CSc.

Title of rigorous work: Health status of chamois population in Lužické Mountains and evaluation of anthelmintic efficacy of albendazole

In the course of 2002 and 2007 years the parasitological verifications in wild chamois population living in Lužické Mountains, the Czech Republic, were realised. Actually dominating parasite is small lungworm *Muellerius capillars*, among other parasitic findings were identified common roundworms of intestinal tract and tapeworm of *Moniezia* species. Based on recognised parasitostatus the administration of albendazole was selected for control of found parasitoses. The granulate of drug was mixed with feed during the winter season and in the form of medicated feed administered to chamois. The efficacy of drug administrations were regularly evaluated, optimal findings were found for albendazole dosing 5.0 mg/kg of body weight administered in 5 consecutive days.