

Abstract

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Title of thesis: Diseases cause by *Nematoda*

The aim of this bachelor's thesis is the description of the principal nematodoses, disease caused by roundworm. This work deals with methods of transmission, symptoms and subsequent treatment of these diseases. Parasitic diseases are still current problem in underdeveloped countries, especially Africa, South America and Asia, where infections are easily spread due to the low standards of living and hygiene. Migration and travel lead to more frequent import of tropical and subtropical species of nematodes to developed countries of Europe and America. Therefore, this paper deals with both species of global spread such as ascariasis and enterobiasis, and species that occur only in tropical and subtropical areas such as filariases and ancylostomiasis. It also describes life cycles of nematodes, the most common diagnostic methods and drugs available in the Czech Republic and abroad, also refers to new information in research on vaccines against the most common types of filariasis and ankylostomiasis.