ABSTRACT:

The main aim of this bachelor thesis is to emphasize how significantly human life can be influenced even by small organisms such as castor bean tick, head louse and bed bug. A listing of possible complications and diseases that we can encounter in everyday life in connection with these representatives is presented in this work. Treatment options are mentioned as well but the work focuses mainly on prevention.

The introductory part of the thesis defines parasitism as a very specific life strategy. This phenomenon is seen here from many angles, and the individual types of parasitism are complemented by examples of specific parasitic representatives. The next part of the thesis deals only with selected hematophagous ectoparasites. The physical structure, developmental stages, occurrence of these arthropods and also their effects on the host are described here. The final part of this work focuses on the use of arthropod parasitology in teaching. The chapter includes several exercises that could be used to teach parasitology at primary or secondary school, as well as a test of pupils’ hygiene literacy and linking parasitism to other educational subjects. The text was written using many biologically focused articles and other specialized literature.

KEYWORDS:

arthropods, human ectoparasites, prevention