

ABSTRACT

The aim of this diploma thesis was to process an overview of previously known knowledge about acute mushroom poisonings. Thesis draws mainly from foreign literature. Provides basic information about mushrooms, their toxins and syndromes that cause. Beside the general information, one part of the thesis is devoted to the cases and studies from around the world. They describe individual clinical cases of mushroom poisoning or deal with their epidemiological situation mostly between the years 2001 – 2016. Obtained information is processed into overview tables. Thesis is particularly focused on the situation of macromycete poisonings in the Czech Republic and contains data from specialised facilities.

The most intoxications occurs after ingestion of the edible fungi species. The most common intoxications by mushrooms containing toxins are after ingestion *A. phalloides*, *A. pantherina* and *Psilocybe*. The most frequent reported symptoms are gastrointestinal. According to the severity, mushroom poisonings are classified as less dangerous with onset of symptoms within 6 hours and life-threatening with the onset of symptoms after more than 6 hours. Mushroom poisonings should be considered in the differential diagnosis of gastrointestinal problems.

Key words: macromycetes, mushroom poisonings, mushroom poisoning syndromes