Abstract

Title: Analysis of parachute accidents for the period 2011-2019

Objectives: The objective of this work is to create tables of analyzes of parachuting accidents from 2011 to 2019 in the Czech Republic. The tables will categorize the information collected according to the causes of the accidents, the reasons for the accidents, the consequences of the accidents and the severity of the injuries. The results from the accident tables should indicate the integrity of the parachute equipment and the overall safety in carrying out the activity.

Methods: The method of analysis is used for the analysis of parachute accidents, which are then divided according to the established general criteria. The discussion evaluates the results from the tables with the findings with the help of statistical calculations. Specifically, the arithmetic mean, range, ratio and frequency are used.

Results: In relation to accidents with jumps performed in the Czech Republic, it became clear that accidents occur only in exceptional cases. It has been found that the vast majority of a parachute accident is human error and a technical defect causes only a fraction of them, on the other hand, there are more serious injuries to parachutists. The most frequently affected parachuting category is category Ž (pupil) and category D.

Keywords: skydiving, accidents, causes of injuries, types of injuries