

## **Abstract**

The primary aim of this diploma thesis was to draw attention to the issue of bone marrow donation. The thesis focuses on the level of public awareness and people's significant doubts regarding bone marrow donation, as these doubts and apprehensions might be the main reason restraining them from entering the bone marrow donor register.

The theoretical part provides a comprehensive summary of findings in this area. Substantial part addresses particular types of the hematopoietic cells taking process and the following donor treatment.

The empirical part of this diploma thesis constitutes of a quantitative research, in which hundreds of respondents have been reached through an electronic questionnaire. Within exactly 10 days, 576 of them filed for the survey, 496 of them were valid and processed. The outcome of the research reflects strong need for raising factual public awareness in the area of hematopoietic cells donation, especially in respect to current donation methods. 79,51 % of respondents had no knowledge of peripheral blood stem cell (PBSC) donation method. 50,26 % of them admitted fear of the bone marrow donation procedure itself. Respondents taking part in the research showed great interest in the topic. 85,48 % of them would appreciate further education and 82,66 % assumes that edification in the form of short lectures on high and vocational schools might contribute to raising numbers of registered bone marrow donors in the Czech Republic. Czech National Register of Bone Marrow Donors showed great concern about the outcomes of this diploma thesis.