

# **Disease and diagnosis of cardiovascular system**

## **Abstract**

In this bachelor's thesis, we are dealing with cardiovascular diagnostic methods and the most common diseases affecting the cardiovascular system. The text briefly introduces the basic diagnostic methods of the cardiovascular system. Furthermore, we focus on the most common heart diseases and possible diagnosis using these methods. Out of these diagnostic methods, we will focus on the CVS method (Classification of cardiovascular system), which is developed by the Institute of Thermomechanics AS CR in cooperation with the Faculty of Physical Education and sport, from which we are expecting in future the prediction of hypertension. This work also serves as a theoretical basis for the future experimental part of the research.

**Keywords:** atherosclerosis, hypertension, diagnostic methods of cardiovascular system, diseases of cardiovascular system, CVS