

Abstract

This bachelor work is focused on „Comparison of accuracy of exercise heart rate measurement in electronic watch without a chest belt - and by ECG“. The objective of this work is to compare accuracy of the heart rate measurement with the sporttester Garmin Fenix 5 and ECG. The theoretical part describes the heart rate, its measurement, ECG, sporttester and studies concentrated on a similar topic. The practical part describes methodology, test group, measuring devices and measurement report. The measuring of heart rate is provided with both devices and with two exercise equipment: a bicycle and a treadmill.