

Method for assessing gait kinematics involves monitoring the spatial and temporal characteristics of the movement of the body and its segments during walking, acceleration and speed of walking, comparing the results obtained with test assessment scales. Informative signals of the gait parameters of the control subject over the distance, which arise during walking, are recorded by an inertial measurement unit placed on key segments of the of the body of the control subject, and by a sensor system with a neural network and a processing unit placed along the length of the distance, and are sequentially transmitted to a microcontroller platform and sent via wireless communication to a personal computer. The results obtained are compared with the test assessment scales.