

Biomedical determinants of movement



Our mission

One of the important activities of the Biomedical Section of the Faculty is: the evaluation of predispositions for movement loading, and thus also for the independence and self-care of seniors and selected groups of patients – obese, dialyzed, disabled, cardiac – and also evaluation of the effect of individual regime measures.

Another activity is the evaluation of predispositions for movement and sport performance at different levels of performance, starting with children and ending with seniors, and at the same time to design and evaluate the effect of applied training and regime measures with the aim of adaptation of lifestyle, reduction of negative contemporary lifestyle, increase in performance, cultivation of movement skills, reduction of weight, etc.

What we offer

The results of biomedical research can be used for individual minimisation of effects of the contemporary lifestyle for people who do not exercise regularly, for both recreational and performance athletes, and also patients mentioned above. Recommendations arising from functional diagnostics in laboratories or in the field acknowledge the client's current state of health, level of fitness, previous movement experience, knowledge, temporal and economic conditions, and also enable continuing on-line communication with the workplace, with the aim of making the suggested measures and interventions more precise and effective.