

Abstract:

Title:

Impact textile membranes on the dynamics of changes physiological indicators of workload

Goals:

Compare measurements of clothing technical parameters and laboratory measurement workload in this outfit. Describe and explain the relationship between the results of the technical and functional measurements and physiological issues associated with the use of different textile membranes during a workout.

Method:

Laboratory quantitative measurement of selected physiological parameters, clothings technical parameters, skin temperature and subjective perception of thermophysiological comfort. Subsequent comparative analysis of measurement results.

Key words:

clothes, textile membranes, workload, oxygen consumption (VO_2), thermophysiological comfort, sweat, clothing physiology