



Development of innovative training solutions in
the field of functional evaluation aimed
at updating of the curricula of health sciences
schools



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Module Biomechanics of Gait

Didactic Unit D: Instrumented Analysis of Gait

D.4 In which cases and how can a biomechanical instrumented analysis of gait be useful?

Self-Questionnaire

Instruction: Indicate if each of the sentences is true or false.

Question 1

The instrumental biomechanical assessment of gait has limited application only to the field of medicine.

- A **FALSE**
- B **TRUE**

Question 2

In sports science, the instrumental biomechanical assessment of gait can be carried out in sports such as race-walking, hiking and Nordic walking.

- A **FALSE**
- B **TRUE**

Question 3

The instrumented biomechanical assessment of gait does not allow detecting the simulation of a pathology in the lower limbs since there are not sufficiently studied outcomes that demonstrate a simulated pattern of movement.

- A **TRUE**
- B **FALSE**

Question 4

Because many jobs combine gait with other types of body movements, the instrumented biomechanical assessment of gait in the workplace is not feasible.

- A **FALSE**
- B **TRUE**

Question 5

The coefficient of variation calculated from a biomechanical outcome that characterizes the gait kinematic, is a possible way to detect the simulation of movement patterns.

- A TRUE
- B FALSE



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