



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 C: How do I assess gait?

Topic C.3: What are the advantages of the use of instrumental techniques versus scales and physical examination to assess gait?

Self-Questionnaire

Instruction: indicate in each of the sentences below if they are true or false

Question 1

The main advantage of biomechanical measurement techniques is that they allow obtaining objective information about what is to be measured.

- True
- False

Question 2

Validity refers to the fact that a tool measures exactly what it proposes to measure or, in other words, validity refers to the accuracy of the measurement. According to this definition, we could deduce that clinical scales are more valid than biomechanical measurement techniques to characterize gait.

- True
- False

Question 3

The validity or precision of biomechanical measurement techniques would be seen between one another, with the instrumented walkway being more valid than photogrammetry system to measure spatiotemporal outcomes.

- True
- False

Question 4

Reliability is the ability to reproduce a consistent result in time and space, or from different observers. From this definition we can deduce that instrumental techniques are more repeatable than clinical assessment scales to measure gait.

- True
- False

Question 5

Sensitivity to change is defined as the ability of an instrument to measure change in state, regardless of whether the change is relevant or meaningful to the decision-maker.

- True
- False



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