

MODULE BIOMECHANICS OF GAIT

Didactic Unit B: Biomechanical alterations in gait

TEACHER'S DOCUMENT: Test solutions

EVALUATION TEST

QUESTION 1

Which of the below are examples of pathological gait? There might be more than one correct answer

- a) sailor walk
- b) spastic gait
- c) majestic gait
- d) paretic gait
- e) apraxic gait

QUESTION 2

Which phases of gait are considered in Rancho Los Amigos gait description? There might be more than one correct answer

- a) initial contact
- b) heel contact
- c) midstance
- d) flat foot
- e) terminal stance

QUESTION 3



The equation below makes it possible to calculate:

- a) maximum gait velocity
- b) minimum gait velocity
- c) **comfort speed**
- d) velocity when people start running
- e) the best velocity for elderly people?

$$V_c = a\sqrt{gl}$$

QUESTION 4

Picture below presents? There might be more than one correct answer

- a) **Heel Plateau**
- b) Central Plateau
- c) Central Depression
- d) Forefoot Plateau
- e) **vertical component of ground reaction**



QUESTION 5

Which type of walking on crutches is the fastest one?

- a) four-point gait,
- b) three-point gait,
- c) two-point gait,
- d) **swing-through gait,**
- e) swing-to gait.

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