

TEACHER'S GUIDE SHEET

MODULE	BIOMECHANICS OF GAIT
DIDACTIC UNIT	C: HOW DO I ASSESS GAIT? C.2: WHAT CLINICAL SCALES EXIST TO ASSESS GAIT PERFORMANCE?
TITLE OF ACTIVITY/CLASS	ANALYSIS OF HUMAN GAIT: VALID TESTS TO ASSESS GAIT MOVEMENT IN HEALTHY, ELDERLY, AND NEUROLOGICALLY IMPAIRED PATIENTS.
OBJECTIVES	<ul style="list-style-type: none"> • To review the importance of a clinical standardized assessment of the human gait. • To learn the functional walking differences of healthy, elderly and neurologically impaired patients in different standardized tests. • To review the reliability and validity of valid standardized tests for human gait for healthy, elderly and neurologically impaired patients. • To reinforce learning of contents through activities and test.
LENGTH	1h30' - PowerPoint presentation of the contents + Reinforcement activity.
PREVIOUS KNOWLEDGE REQUIRED	<p>In order to fully understand the concepts explained during class, the student should previously revise the A, B and C.1 Didactic Unit from the Module Biomechanics of Gait.</p> <p>Students should review the concepts of human gait and its phases, emphasizing the cinematic of the lower limb and the kinetics aspects.</p>
TECHNICAL NEEDS	PC with software for the reproduction a power point presentation. Projector and screen to show contents appropriately to all the students during class. You can give the activity material to students online or print.



	A wide flat surface or 10-meter long corridor where students could perform the human gait and analyze it.
RESOURCES NEEDED	PowerPoint file of class material presentation and the reinforcement activity pdf file, print or online version. Each student need one copy.

DESCRIPTION OF THE CLASS/ACTIVITY

Part 1: Teacher's theoretical explanation

First, the professor will explain the characteristics that a clinical scale must meet to be considered suitable for the scientific community.

Next, the teacher will explain to the students one by one the different types of clinical scales, emphasizing their characteristics, the objective of the scale, what kind of people can be evaluated with them and their scientific value.

Part 2: Practical activities for students

The practice part has two activities. In the first one, the students must correctly answer true or false questions, based on concepts from Didactic Unit C.2. The second activity is a clinical case where students must accurately list a series of items and answer a series of questions.

TASKS TO BE DEVELOPED BY THE STUDENT IN CLASS

After the class and concept presentation, the students should revise the PDF with the contents of the didactic unit or the PowerPoint presentation (what the teacher prefers to provide).

TASKS TO BE DEVELOPED BY THE STUDENT OUTSIDE OF CLASS (if required)

In order to fully understand the concepts explained during class, the student should afterward resolve the 'Reinforcement activity' pdf.

EVALUATION METHODOLOGY

The teacher can use the evaluation method that she/he considers. The correct answers for the Reinforcement activity are included in the Teacher Solutions document.

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