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

ƮEACH

Erasmus+

Student's full name:
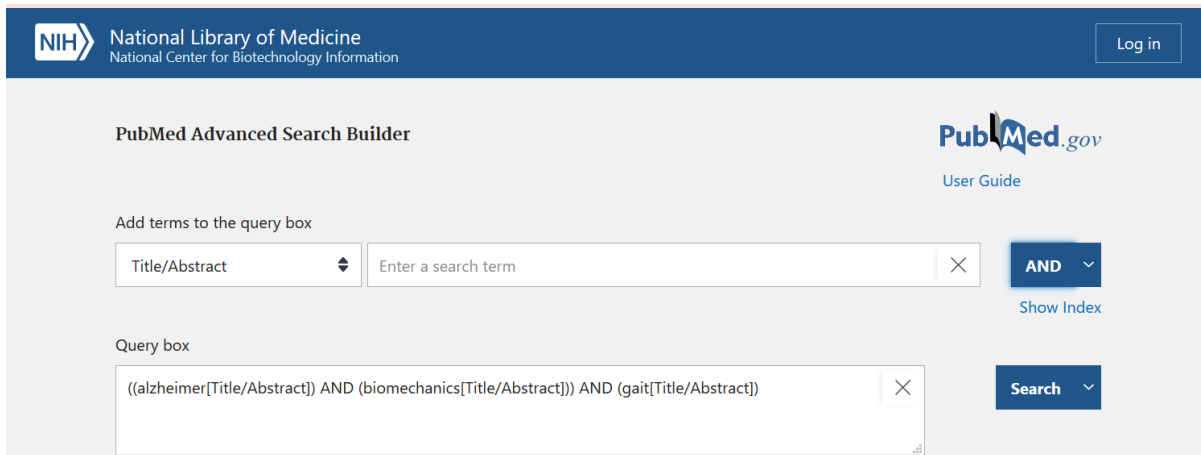
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MODULE BIOMECHANICS OF GAIT

Didactic Unit D: Instrumented analysis of gait

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

Activity 1:

It is common for updated and diverse scientific information to be found more easily in databases of scientific articles, than in books or other scientific dissemination formats. If you would like to investigate the biomechanical analysis of the gait of a certain population or disease, you should resort to these databases.

Based on the above, we propose the following exercise. Choose a clinical topic of interest to you. You can choose a pathology, an age group of people, an innovative treatment, whatever you want! Then enter in the advanced pubmed search (https://pubmed.ncbi.nlm.nih.gov/) the terms related to the topic you have chosen and the words biomechanics and gait, as shown in the example.

Then choose one of the publications thrown up by the search and fill in the following form that we propose below. Discuss with your classmates the information you have obtained and the answers on your worksheet.

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Utility of biomechanical instrumented analysis of gait	
Search topic	
First author and year	
Aim of study	
Gait measuring instrument	
Biomechanical outcomes	
Conclusion of the study	
How useful has the instrumental evaluation of gait been in publication?	