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Gait and rehabilitation in lower limb amputees: a narrative review

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1

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Introduction: Even if gait analysis is a validated outcome measure to assess the effects of a rehabilitation program on gait performance, few articles have been produced about the evaluation of a rehabilitation program in lower limb amputees using the gait analysis as a measure of outcome.
Inclusion criteria: The inclusion criteria of the following narrative review is to investigate all the studies, without year limitations but only in English, whose population was lower limb adult amputees that underwent a rehabilitation process evaluated through the use of the gait analysis as a measure of outcome.
Methods: Three databases will be investigated: Scopus, Pubmed and Embase, without year limitations but only in English. Study selection will be done following the inclusion and exclusion criteria, data extraction will follow the review's objectives. Agree II scale will be used to assess the quality of guidelines, Amstar 2 scale will be used to evaluate systematic review, Pedro scale will be used to assess quality of randomized controlled trial, Stard-2015 scale will be used to assess observational studies. Two reviewers will screen the articles in blind and a third reviewer will solve the conflicts raised.
Objective: The aim of this narrative review will be the investigation of the extent, type and results of evidence in relation to gait and rehabilitation in lower limb amputees.

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