Measurement strategies in rehabilitation

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Introduction

Brand’s four reasons for clinical tests and his analysis of the characteristics of valid biomechanical tests to be used in orthopaedics are taken as a basis for determinant what methodologies are needed for gait analysis during a clinical rehabilitation context.

Methods for decoding gait analysis knowledge

Within the long run future it’s attainable that direct imaging of bones and joints in 3 dimensions (using imaging or fluoroscopy) could replace marker based mostly systems.

Methods for understanding the results of intervention

Clinical gait analysis is extraordinarily restricted if it doesn’t permit clinicians to settle on between various attainable interventions or to predict outcomes. This will be achieved either by strictly planned clinical trials or exploitation theoretical models. The proof base is mostly poor partially attributable to the restricted range of prospective clinical trials that are completed and a lot of such studies ar essential. Terribly recent work has begun to show the potential of exploitation models of the mechanisms by which individuals with pathology get into order to simulate completely different potential interventions. The event of those models offers right smart promise for brand spanking new clinical applications of gait analysis.