

Author

Kohler, Friedbert (Prairiewood AU) | Professor
HammondCare Health - Rehabilitation

Title

COMPASS (Consensus Outcome Measures for Prosthetic and Amputation Services):
Outcomes of a Global Consensus

Coauthors

Gregory Halford; Jade Tan; Martina Lukin; Brodwen McBain

Summary

Global development of prosthetic rehabilitation services for individuals with lower limb loss will be enhanced if standard outcome measures are used to facilitate quantification of the benefits of prosthesis, benchmarking and cost-benefit calculations.

Introduction/ basics

ISPO International with the support of USAID, ATScale and UNOPS has undertaken a consensus process regarding recommended outcome measures for people with lower limb absence. Outcome measures are an important way to increase the evidence for effectiveness and cost effectiveness of clinical care and to measure quality improvements. Clinicians and policy makers need to choose between a wide array of outcome measures to answer real world questions. Given the large diversity of these measures in use, their range of psychometric properties and a variety of practical factors this choice can be challenging. The diverse range of outcome measures in use can mean data isn't readily compared.

Material method; implementation/ process

A systematic review of outcome measures, published in the literature in English, as well as their psychometric properties reported for people with lower limb absence was undertaken.

Each publication was evaluated against the COSMIN risk of bias tool, to establish the quality of the studies that describe psychometric properties.

Subsequently an expert panel of outcome measure experts stratified the measures based on the current evidence of their psychometric properties was

In the final step, a group consisting of multidisciplinary clinicians, users, policy makers and researchers who have experience with outcome measures, established a set of recommended

outcome measures. This global consensus was based on the real-world experience and knowledge of outcome measure usability and usefulness of the consensus meeting participants.

Results

The consensus recommends the a number sets of outcome measures: COMPASS, COMPASS +, COMPASS Adjunct as well as making other recommendations including the use of a generic health related quality of life instrument.

Discussion/ conclusion; conclusion for the practice

Routine application of the COMPASS by all services providing prosthetic services for lower limb is now feasible and will enhance further understanding of both the individual with a lower limb amputation and the services provided and benefit all stakeholder.

References

A list of all the publications from the systematic review is available but is beyond the scope of space available.