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Background

Rehabilitation interventions are usually complex and this complexity introduces many methodological challenges in the development of high quality scientific evidence for clinical practice.

Purpose

One of the aims of Cochrane Rehabilitation (CR) is to improve the quality of methodology in rehabilitation research.

Methods

The CR methodology committee applied and received a Catalyst Grant from New Zealand to schedule an international multi-professional meeting between methodologists and clinical experts in rehabilitation. The aim of the "Catalyst Meeting" was to produce a discussion around some of the main methodological issues in rehabilitation research and to define the research lines to improve the quality of evidence in the field.



The Catalyst Meeting highlighted the need to create a stable methodological working group in rehabilitation, ICF mapping of systematic reviews but also a list of main methodological issues in rehabilitation research and how to solve them. Cochrane Rehabilitation offers as the place for this methodological work.

Solving the methodological quality of evidence production in rehabilitation is an essential component of evidence-based practice in rehabilitation.

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Tackling the methodological issues of evidence production in rehabilitation: the role of Cochrane Rehabilitation

The Catalyst Meeting was held in July 2018 in Paris. During the meeting, papers on methodology in rehabilitation were presented on these topics: 1. the use of pairwise comparison methods as a structured approach to prioritization of rehabilitation reviews within international groups; 2. optimizing the real world impact of rehabilitation reviews; 3. the replicability of randomized controlled trials in everyday physical and rehabilitation medicine clinics; 4. reporting standards for rehabilitation interventions - empirical investigation of exercise reporting in a systematic review on conservative management of continence; 5. analysis of the management of control groups in Cochrane reviews in neurorehabilitation; 6. using functioning information when evaluating the outcome of rehabilitation interventions in systematic reviews; 7. analysis of primary and secondary outcomes currently used in Cochrane reviews on neurorehabilitation – current practice and future recommendations; 8. producing a list of the methodological issues in rehabilitation research: a scoping review; 9. evaluation of human risk of bias in rehabilitation reviews; 10. dealing with co-morbidities in systematic reviews; 11. application and importance of Cochrane Overviews on rehabilitation.

The papers have been published, as special issues of Cochrane Rehabilitation, in European Journal of Physical and Rehabilitation Medicine 2019, April 15.

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Conclusion

Implications



Results

Title

e decision-making to inform prioritization of ics relevant to rehabilitation.

word impact of rehabilitation reviews: increasing ability of systematic reviews in rehabilitation.

ercise reporting template (CERT) in a systematica ased rehabilitation effectiveness: completeness of ement and utility.

An analysis of the management of control groups in neurorehabilitation.

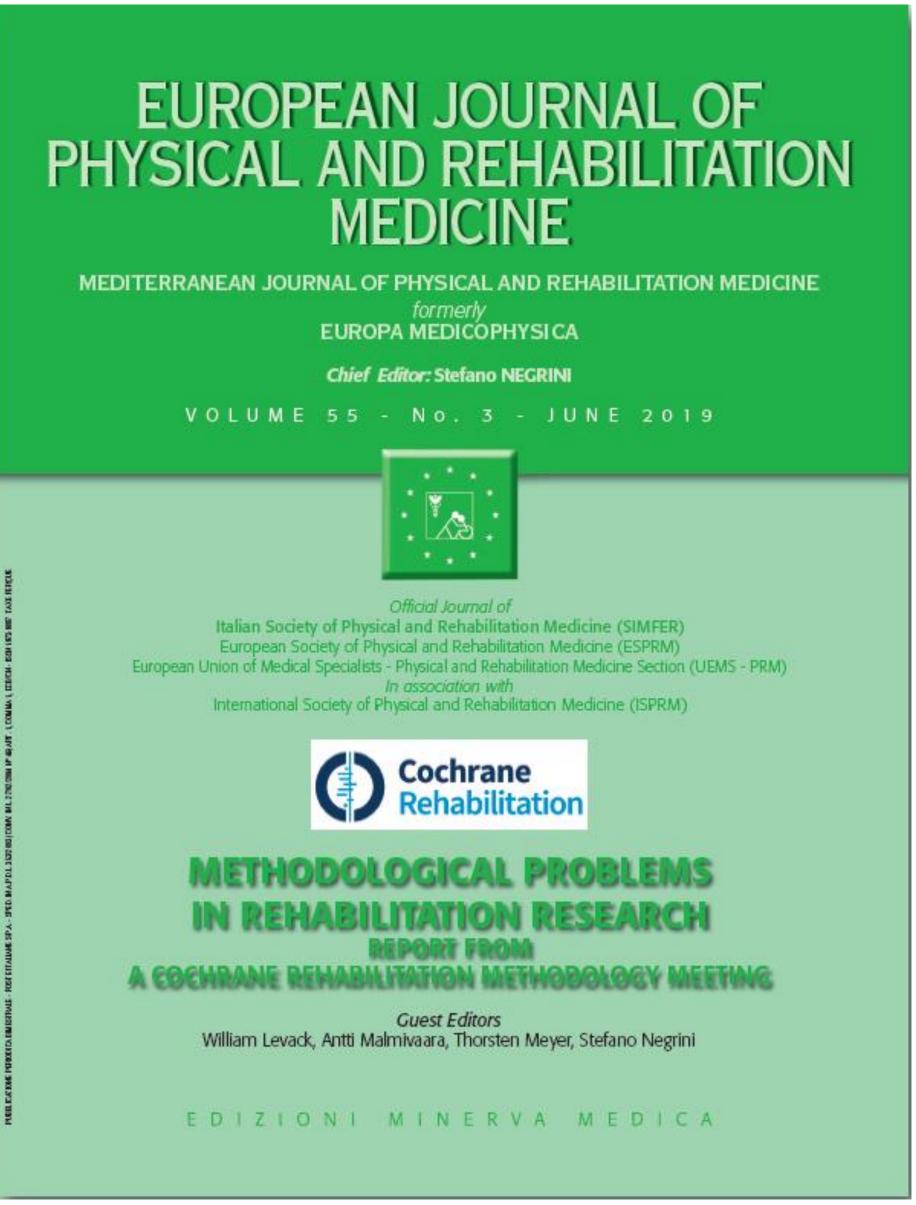
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outcomes reported in Cochrane systematic roke with the International Classification of ty and Health (ICF) domains: current trend and cions.

s a reference system for comparative evaluation porting of rehabilitation interventions.

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