Pediatric Power Wheelchair Skills Training Programs: A Systematic Review

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Description du projet:

The World Health Organization recognizes wheelchair skills training as an important element of the wheelchair provision process. Regrettably, pediatric power mobility training is not provided consistently, with some children receiving no training in the use of their power wheelchair at all. Indeed, qualitative studies exploring parent and child perspectives have identified such therapeutic omissions as a contributing factor to non-successful use of power mobility and can result in negative consequences, such as abandonment of the device and accidents. Thus, the aim of this project is to systematically review the quantitative and qualitative literature to identify and describe existing pediatric power wheelchair skills training programs.

Method: Data Sources. The Cochrane Library will be searched for existing reviews and the PubMed / Medline, EmBase, PsycInfo and CINAHL databases will be searched using key words and medical subject headings. The grey literature will also be searched. Inclusion and Exclusion Criteria. Studies will be included if they are written in English and report the use of a power wheelchair skills training program for children. Study Selection. The review will follow the Preferred Reporting Items for Systematic Reviews an Meta-Analyses (PRISMA) guidelines. Two investigators will independently review articles resulting from the electronic searches. Data Extraction / Synthesis. Data from included studies will be extracted into a study specific data extraction form. Methodological Quality Assessment. The methodological quality of included studies will be conducted using appropriate measures (e.g., PEDro for randomized controlled trials).

Clinical Implication: This systematic review will identify and provide evidence of existing pediatric power wheelchair skills training programs to guide both clinical practice and future research.

Mots clés:
Power wheelchair, pediatrics, wheelchair skills training, systematic review