International Society of Wheelchair Professionals (ISWP)

Advancing Partners & Communities

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International Society of Wheelchair Professionals (ISWP)

Literature Review - Wheelchair Standards, Testing, WC Evaluation & Outcome Measures

Date: 03/25/2015
# Contents

1. Introduction .................................................................................................................. 5  
2. Databases Searched ...................................................................................................... 5  
3. Search Fields .................................................................................................................. 5  
4. Search Terms .................................................................................................................. 5  
5. Authors searched ............................................................................................................ 5  
6. Search Results ............................................................................................................... 6  
7. List of Articles ............................................................................................................... 9
Literature Search: Wheelchair (WC) Standards, Testing, WC Evaluation & Outcome Measures

1. Introduction

Journal papers and conference proceedings were searched on prominent databases from March 4 – 22 and the articles were screened based on relevance of the Title. In all, 269 articles were screened. Further screening will take place in the upcoming week based on abstracts.

2. Databases Searched

1. MEDLINE/PubMed
2. CIRRIE
3. EBSCO Host
4. Scopus
5. RESNA (Conference Proceedings)

3. Search Fields

1. Title
2. Title/Abstract
3. Author

4. Search Terms

Wheelchair + standards, testing, assessment, performance, stability, turning, comparison, comparison AND user, evaluation, user AND evaluation, satisfaction, outcome AND measure, functional AND assessment, functional AND outcome, environment.

5. Authors searched

Stephen Sprigle, Rory Cooper, van der Woude, Alicia Koontz, Jon Pearlman, Lee Kirby
### 6. Search Results

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7. List of Articles


A comparison of functional mobility in standard vs. ultralight wheelchairs as measured by performance on a community obstacle course. (n.d.).


Assessment of field rolling resistance of manual wheelchairs. . (n.d.).


Caspall, J. J., Seligsohn, E., Dao, P. V., & Sprigle, S. (2013). Changes in inertia and effect on


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De Groot, S., Vegter, R., Vuijk, C., van Dijk, F., Plaggenmarsch, C., Sloots, M., … van der


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www.wheelchairnet.org
Evaluation of aluminum ultralight rigid wheelchairs versus other ultralight wheelchairs using ANSI/RESNA standards. (n.d.).

Evaluation of lightweight wheelchairs using ANSI/RESNA testing standards. (n.d.).


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http://doi.org/10.1109/ICORR.2013.6650347

http://doi.org/10.1016/j.apmr.2014.01.002

http://doi.org/10.1016/j.apmr.2011.11.027

Is manual wheelchair satisfaction related to active lifestyle and participation in people with a spinal cord injury? (n.d.).


http://doi.org/10.1080/17483100903038543


http://doi.org/10.4276/030802214X13916969447119

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20


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Maneuverability and usability analysis of three knee-extension propelled wheelchairs. . (n.d.).


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25


Measurement properties of the wheelchair outcome measure in individuals with spinal cord injury. (n.d.).


Mobility of wheelchair users: a proposed performance assessment framework. (n.d.).


Multisite comparison of wheelchair propulsion kinetics in persons with paraplegia. . (n.d.)


Telerehabilitation assessment using the Functioning Everyday with a Wheelchair-Capacity instrument. (n.d.).


User satisfaction with mobility assistive devices: An important element in the rehabilitation process. (n.d.).


Van der Woude, L. H., Hendrich, K. M., Veeger, H. E., van Ingen Schenau, G. J., Rozendal, R. ISWP ♦ University of Pittsburgh ♦ 6425 Penn Avenue, Suite 400 ♦ Pittsburgh, PA USA 15206

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