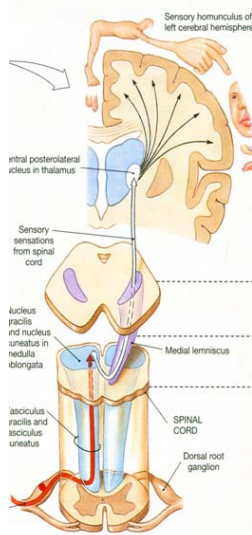


Determining selective voluntary motor control of the legs in children with an upper motor neuron lesion



Background: A loss of selective voluntary movement control (SVMC) of the lower extremities is one commonly impaired motor function in children with an upper motor neuron (UMN) lesion. As impaired SVMC can further hamper the performance of more complex motor activities and may lead to the development of secondary impairments, training of selective movement patterns is one major goal within the clinical setting. To be able to select the most appropriated treatment approach for these patients, a valid and systematic assessment procedure for testing SVMC is needed.

Goal

To find and validate a responsive testing procedure for measuring SVMC in children with UMN. Therefore, a systematic review on psychometric properties of available SVMC measurement tools as well as development, construct validation and reliability testing of a new SVMC measurement procedure will be performed.

Project onset

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Project members

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Sponsor

- Stiftung Physiotherapie Wissenschaften