Sollerman Hand Function Test (SHFT)

Assessment Overview

Assessment Area

ICF Domain:
Activity
Subcategory:
Mobility

You Will Need

Length:
20-25 minutes, 20 items
Equipment:
A variety of tools used for ADLs are required.
Scoring:
Patients are scored on a 5-point scale from 0 (task cannot be performed at all) to 4 (task is completed without any difficulty within the time frame (20 seconds).
The subtest scores are added up for a total sum score (0-80).
Training:
None, but knowledge of hand function recommended

Summary

The Sollerman Hand Function Test (SHFT) is a performance-based measure developed for tetraplegic individuals that assesses grips that are needed for certain activities of daily living (ADLs) using tests that represent common handgrips and activities.

The SHFT (unlike the Jebsen Hand Function Test) considers the quality and level of difficulty with the performance, which are important components with respect to hand function.

Availability

Worksheet:

- Can be found in the appendix of the following article: http://www.swisswuff.ch/images/adl/adl-pdf/sollermann1995handfunctiontest.pdf
- Can be purchased here.

Languages: English

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Mean (SD) Scores:
70.94 (38.28)

(Fattal 2004; n=52; 41 males, complete tetraplegia; mean time since injury: 11.54 years)

Measurement Properties

Validity – **High**

High correlation with Motor Capacities Scale (MCS):

ρ = 0.959

(Fattal 2004; n=52; 41 males, complete tetraplegia; mean time since injury: 11.54 years)

Number of studies reporting validity data: 2

Reliability – **High**

High Inter-rater Reliability:

r = 0.98

(Sollerman & Ejeskär 1995; n=59; tetraplegia, no information on chronicity, 2 testers)

Number of studies reporting reliability data: 1

Responsiveness

Floor/Ceiling Effect:
Not established in SCI

Effect Size:
Not established in SCI

Number of studies reporting responsiveness data: 0