

Reviewer ID: Jeff Tan, Marzena Zhou, Gurmaan Gill			
Type of Outcome Measure: Sollerman Hand Function Test			Total articles: 2
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Sollerman & Ejeskär 1995	Methodological	Sahlgrenska University hospital, Göteborg, Sweden	N=59 (73 hands tested)  Tetraplegic patients Patients were graded on the International classification for surgery of the hand in tetraplegia (Edinburgh, Scotland 1978 – modified in Giens, France 1984). O= ocular, OCu=oculocutaneous Sensibility O or OCu ranges from 1-9 – based on motor characteristics of muscles.  74% belong to groups O:0-3 or OCu:1-4 26 hands lacked tactile gnosis and were classified in O:0-3.
Fattal 2004	Metrological investigation of the Sollerman Hand Function Test. Open study aimed at studying the feasibility and acceptability; Intermediate study aimed to assess inter-rater reproducibility; Prefinal study focused on construct validity.	Bouffard-Vercelli Centre, Cerbere, France	Open Study: n=33 (23 had undergone surgery) Intermediate Study: n=30 (10 had undergone surgery) (23 male, 7 female) Age: 32±13.3, range 17-72 years Mean time since injury = 6.3 years Prefinal Study: n=52 (41 male, 11 female) Age: 38.32±12.76, range 18-72 years Mean time since injury = 11.54 years Adults, complete motor tetraplegia, C5-C7 level, AIS A or B, at least 3 months post spinal cord injury, at least 3 months post surgery.
1. RELIABILITY			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Sollerman & Ejeskär 1995	No data available	18 pairs of test results were obtained and concordance between 2 different observers and of 2 consecutive testing procedures is high (r=0.98)	
2. VALIDITY			
Author ID	Validity		
Sollerman & Ejeskär 1995	When comparing the test scores of the comparable groups of arms with (OCu:1-3) and without (O:1-3) tactile gnosis the latter groups showed much lower values and the difference was highly significant. (P<.001) Comparing the test score for each corresponding group of arms there as a significant difference in two groups (O:1 & OCu:1, P>.01; O:3 & OCu:3, P<.01).  In OCu:1-9 there was a significant positive correlation between the group of classification of the arm and mean score in the Sollerman test (r=0.76, P<.001). Only among high level tetraplegic patients, especially without sensation (Groups O:0-3) where the correlation is absent.  International classification for surgery of the hand in tetraplegia & Sollerman Hand Test results. r=0.88		
Fattal	Sollerman test & Motor Capacities Scale: ρ=0.959. P<.0001		

2004	Prefinal study
<b>3. RESPONSIVENESS</b> – no data available	
<b>4. FLOOR/CEILING EFFECT</b> – no data available	
<b>5. INTERPRETABILITY</b>	
<b>Author ID</b>	<b>Interpretability</b>
Fattal et al. 2004	Mean (SD) Sollerman score: 70.94 (38.28) Prefinal study