

Reviewer ID: Christie Chan, Kyle Diab, Risa Fox			
Type of Outcome Measure: LISAT-9 (Life Satisfaction Questionnaire)			Total articles: 3
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Geyh et al. 2010	Cross-sectional multi-centre study examining the LISAT-9	Out-patients with SCI from study centers in Australia, Brazil, Canada, Israel, South Africa, and the US	N=243 Mean age= 41.4 ± 13.6 % male = 79.4 % female = 20.6 Mean time since onset = 139.6±138.8 months  SCI  % paraplegia = 45.7 % tetraplegia = 54.3  Completeness of injury % complete (A) = 47.7 % incomplete (B-D) = 43.6 % unspecified = 8.6
Post et al. 2012	Cross-sectional study analyzing LISAT-9 5 years after discharge from inpatient rehab	8 rehab centres with specialized SCI units	145 SCI participants (104 men, 41 women) mean age: 45.4±13.7  27 incomplete paraplegia 65 complete paraplegia 16 incomplete tetraplegia 37 complete tetraplegia  116 traumatic SCI, 29 non-traumatic
Van Koppenhagen 2008	Cohort Study. Data was collected retrospectively at the start of active rehabilitation and one year after discharge from inpatient rehabilitation.	Eight rehabilitation centers in The Netherlands	N = 147 with SCI Age = 18-65 Wheel-chair dependent at least for long distances
<b>1. RELIABILITY</b>			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Geyh et al. 2010	Person reliability index overall = 0.86	No data available	
Post et al. 2012	Cronbach's alpha for the whole scale = 0.75  Corrected item-to-total correlations for the 9 questions ranged from 0.21 to	No data available	

0.64

**2. VALIDITY**

Author ID	Validity
Post et al. 2012	<p>Spearman's nonparametric correlations:</p> <p>Correlations between the LISAT-9 and instruments with different constructs:                      Functional Independence Measure – Motor subscale (FIM-Motor): 0.29 (P&lt;.01)                      Level of injury: 0.24 (P&lt;.01)                      Completeness of injury: 0.10                      Cause of injury: 0.12                      Age: -.14                      Sex: -.04                      Education: .00</p> <p>Correlations between the LISAT-9 and instruments measuring similar constructs:                      LISAT-9 vs. Satisfaction with Life Scale (SWLS): 0.60                      LISAT-9 vs. MHI-5 (mental health subscale of SF-36): 0.52 (P&lt;.01)                      LISAT-9 vs. SIP-SOC (social dimension of SIP-68): -0.45 (P&lt;.01)</p>

**3. RESPONSIVENESS**

Author ID	Responsiveness																						
Van Koppenhagen 2008	<table border="1"> <thead> <tr> <th>LiSat-9 domain</th> <th>Effect size of differences from before (retrospectively) to after SCI</th> </tr> </thead> <tbody> <tr><td>Life as a whole</td><td>0.8 (large)</td></tr> <tr><td>Self care</td><td>1.2 (large)</td></tr> <tr><td>Leisure situation</td><td>0.5 (moderate)</td></tr> <tr><td>Vocational situation</td><td>0.9 (large)</td></tr> <tr><td>Financial situation</td><td>0.3 (small)</td></tr> <tr><td>Sex life</td><td>1.1 (large)</td></tr> <tr><td>Partner relationship</td><td>0.4 (moderate)</td></tr> <tr><td>Family life</td><td>0.3 (moderate)</td></tr> <tr><td>Contact friends</td><td>0.1 (small)</td></tr> <tr><td>LiSat-9 total score</td><td>1.0 (large)</td></tr> </tbody> </table>	LiSat-9 domain	Effect size of differences from before (retrospectively) to after SCI	Life as a whole	0.8 (large)	Self care	1.2 (large)	Leisure situation	0.5 (moderate)	Vocational situation	0.9 (large)	Financial situation	0.3 (small)	Sex life	1.1 (large)	Partner relationship	0.4 (moderate)	Family life	0.3 (moderate)	Contact friends	0.1 (small)	LiSat-9 total score	1.0 (large)
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**4. FLOOR/CEILING EFFECT – no data available**

**5. INTERPRETABILITY**

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Geyh et al. 2010	<p>LiSat-9 raw scores (N, mean (SD)) for 6 countries and overall:</p> <table border="1"> <thead> <tr> <th>Item:</th> <th>Overall:</th> <th>Australia:</th> <th>Brazil:</th> <th>Canada:</th> <th>Israel:</th> <th>Republic of South Africa:</th> <th>USA:</th> </tr> </thead> <tbody> <tr> <td>Sum score</td> <td>243, 31.6 (9.4)</td> <td>40, 40 (17.2)</td> <td>34, 31.4 (9.8)</td> <td>34, 34.8 (9.9)</td> <td>71, 31.5 (9.5)</td> <td>30, 27.1 (7.8)</td> <td>34, 34 (10.3)</td> </tr> <tr> <td>Life as a whole</td> <td>243, 3.9 (1.3)</td> <td>40, 4.0 (0.9)</td> <td>34, 3.6 (1.3)</td> <td>34, 4.2 (1.3)</td> <td>71, 3.9 (1.4)</td> <td>30, 3.4 (1.2)</td> <td>34, 4.4</td> </tr> </tbody> </table>	Item:	Overall:	Australia:	Brazil:	Canada:	Israel:	Republic of South Africa:	USA:	Sum score	243, 31.6 (9.4)	40, 40 (17.2)	34, 31.4 (9.8)	34, 34.8 (9.9)	71, 31.5 (9.5)	30, 27.1 (7.8)	34, 34 (10.3)	Life as a whole	243, 3.9 (1.3)	40, 4.0 (0.9)	34, 3.6 (1.3)	34, 4.2 (1.3)	71, 3.9 (1.4)	30, 3.4 (1.2)	34, 4.4
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Life as a whole	243, 3.9 (1.3)	40, 4.0 (0.9)	34, 3.6 (1.3)	34, 4.2 (1.3)	71, 3.9 (1.4)	30, 3.4 (1.2)	34, 4.4																		

Self-care	243, 3.5 (1.7)	40, 2.6 (1.4)	34, 3.5 (1.7)	34, 4.2 (1.6)	71, 3.5 (1.6)	30, 3.1 (1.6)	34, 4.0 (1.8)
Vocational situation	240, 3.4 (1.6)	40, 3.0 (1.3)	34, 3.3 (1.5)	33, 4.1 (1.5)	70, 3.1 (1.9)	30, 3.2 (1.2)	33, 3.8 (1.8)
Financial situation	243, 3.3 (1.5)	40, 2.8 (1.1)	34, 2.9 (1.5)	34, 3.9 (1.2)	71, 3.9 (1.6)	30, 2.5 (1.2)	34, 3.4 (1.8)
Leisure situation	243, 3.4 (1.5)	40, 3.9 (0.9)	34, 2.9 (1.3)	34, 3.8 (1.4)	71, 3.1 (1.8)	30, 3.5 (1.3)	34, 3.6 (1.5)
Sexual life	237, 2.5 (1.5)	38, 2.5 (1.4)	33, 2.5 (1.5)	32, 3.0 (1.7)	71, 2.2 (1.6)	30, 2.2 (1.3)	33, 3.0 (1.6)
Partner relations	139, 4.5 (1.6)	18, 4.7 (1.7)	25, 4.8 (1.2)	18, 4.5 (1.7)	51, 4.0 (1.8)	8, 4.3 (1.4)	19, 5.1 (1.1)
Family life	242, 4.6 (1.3)	40, 5.0 (0.8)	34, 4.7 (1.1)	33, 4.8 (1.3)	71, 4.4 (1.5)	30, 3.7 (1.3)	34, 4.8 (1.1)
Contact with friends	240, 4.6 (1.2)	38, 4.8 (0.9)	34, 4.4 (1.2)	34, 4.7 (1.2)	71, 4.6 (1.4)	30, 4.4 (1.1)	33, 4.6 (1.1)

Standard error of measurement (SEM) and MDC (calculated from data in article) of LiSAT-9:

Variable	SEM	MDC
Life as a whole	0.07	0.19
Self care	0.05	0.14
Vocational situation	0.06	0.17
Financial situation	0.06	0.17
Leisure situation	0.06	0.17
Sexual life	0.06	0.17
Partner relations	0.07	0.19
Family Life	0.06	0.17
Contact w/ friends	0.07	0.19