

Research Summary – Sexual Activity and Satisfaction (SAS) Scale / Sexual Interest, Activity and Satisfaction (SIAS) Scale – Sexuality and Reproduction

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Kreuter et al. 1996</p> <p>Controlled survey</p> <p>Post-discharge community setting</p>	<p>SCI n= 75 (64 male, 11 female) Median age: 33 years (range 19-76) Control n= 155 (119 male, 36 female) Median age: 30 years (range 19-79)</p> <p>38% tetraplegia Frankel A, B, or C 12% tetraplegia Frankel D 32% paraplegia Frankel A, B, or C 18% paraplegia Frankel D</p>	<p>Sexual Activity and Satisfaction (SAS) Scale:</p> <p>SCI persons: Emotional Quality of the Relationship scale: $r = 0.57, (P < .001)$ Sexual Behaviour Scale: $r = 0.85, (P < .001)$ Hospital Anxiety and Depression Scale: $r = -0.49, (P < .001)$ Quality of Life (VAS): $r = 0.39, (P < .01)$ Other determinants of sexual adjustment: $r = -0.58-0.89$, *significance either ($P < .001, P < .01$ or n.s.)</p> <p>Controls</p>	<p>Internal consistency: Sexual Activity and Satisfaction (SAS) scale: SCI: $\alpha = 0.87$ Controls: $\alpha = 0.82$</p> <p>Principal Component Analysis: Factor loadings on the principal factor ranged between 0.56-0.60 for SCI and 0.52-0.62 for controls</p>	<p>Interpretability: Mean (SD) SAS Scores:</p> <ul style="list-style-type: none"> • SCI (n=75): 65.5 (31.1) • Controls (n=155): 77.9 (22.3)

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		Emotional Quality of the Relationship scale: $r = 0.64, (P < .001)$ Sexual Behaviour Scale: $r = 0.68, (P < .001)$ Hospital Anxiety and Depression Scale: $r = -0.29, (P < .001)$ Quality of Life (VAS): $r = 0.36, (P < .001)$ Other determinants of sexual adjustment: $r = -0.29-0.84$, *significance either ($P < .001, P < .01$ or n.s.)		
Kreuter et al. 1994a Telephone interview and mailed questionnaires Post-discharge community setting	49 partners of individuals with SCI, living outside the hospital for minimum 1 year Group 1: relationships established pre- injury Length of relationship: 3.5 -51 yrs (median 24 years)	Sexual Interest, Activity and Satisfaction Scale (SIAS): Psychosocial variables: $r = 0.11-0.79$ Emotional Quality of the Relation: $r = 0.55$ Behavioural variables: $r = 0.56-0.82$	Internal consistency: Sexual Interest, Activity and Satisfaction Scale (SIAS): $\alpha = 0.86$ Principal Component Analysis:	

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	Partners: 19 female, 7 male Age of partners: 21-79 yrs (median 51 yrs) Group 2: relationships established post-injury Length of relationship: 1-8 yrs (median 2 years) Partners: 20 female, 3 male Age of partners: 18-45 (median 28 yrs)	Sexual behaviour scale: $r = 0.82$ Physical variables: $r=0.01-0.58$ Sociodemographic variables: $r = 0.09-0.64$	Factor loadings on the principal factor ranged between 0.61-0.88	
Kreuter et al. 1994b Telephone interview and mailed questionnaires Post-discharge community setting	Same sample as Kreuter et al. 1994a			Interpretability: Sexual Adjustment (SIAS Scale): Partners in preinjury relationships (n-26): mean (SD): 13.8 (6.7) Median (range): 14 (6-24)

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				Partners in postinjury relationships (n=23): mean (SD): 22.4 (3.7) median (range): 23 (14-27)