

Research Summary – Emotional Quality of the Relationship Scale (EQR) – Sexuality and Reproduction

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
Kreuter et al. 1996 Controlled survey Post-discharge community setting	SCI n= 75 (64 male, 11 female) Mean age: 33 years (range 19-76) Control n= 155 (119 male, 36 female) Mean age: 30 years (range 19-79) 38% tetraplegia Frankel A, B, or C 12% tetraplegia Frankel D 32% paraplegia Frankel A, B, or C 18% paraplegia Frankel D	Emotional Quality of the Relationship scale <u>SCI persons:</u> Sexual Behaviour Scale: $r=0.45$, ($P<.001$) Hospital Anxiety and Depression Scale: $r=-0.38$, ($P<.01$) Quality of Life (VAS): $r=0.37$, ($P<.01$) Other determinants of emotional quality of relationship: $r=0.17-0.61$, *significance either ($P<.001$, $P<.01$ or n.s.) <u>Controls:</u> Sexual Behaviour Scale: $r=0.54$, ($P<.001$) Hospital Anxiety and Depression Scale: $r=-0.38$, ($P<.001$)		Mean (SD) EQR score: 22.1 (4.0)

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		Quality of Life (VAS): r=0.44, (P<.001) Other determinants of emotional quality of relationship: r=0.28- 0.60, (P<.001)		
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 2 groups: Group 1: relationships established pre- injury Length of relationship: 3.5 -51 yrs (median 24 years) Partners: 19 female, 7 male Age of partners: 21-79 yrs (median 51 yrs) Group 2: relationships established post- injury	Seven items relating to emotional intimacy, affection and communication were combined to form the Emotional Quality of the Relationship (EQR) scale. Standard methodology to ensure construct validation of these two scales included calculation of Cronbach's alpha (0.96 and 0.85 respectively) and principal components analyses.	Internal consistency: Internal consistency, determined by Cronbach's alpha was 0.85	The range of scores on the Sexual Behaviour scale was 7-49 (mean 30.7 ± 13.5; median value 32.5), and that for the Emotional Quality of the Relationship scale was 7-28 (mean 22.5 ± 4.8; median value 24).

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	Length of relationship: 1-8 yrs (median 2 years) Partners: 20 female, 3 male Age of partners: 18-45 (median 28 yrs)			
Kreuter et al. 1994b Telephone interview and mailed questionnaires Post-discharge community setting	49 partners of individuals with SCI, living outside the hospital for minimum 1 year 2 groups: Group 1: relationships established pre- injury Length of relationship: 3.5 -51 yrs (median 24 years) Partners: 19 female, 7 male Age of partners: 21-79 yrs (median 51 yrs)	Emotional Quality of the Relationship and Sexual Interest, Activity and Satisfaction: $r=0.55$ <u>Principal Component Analysis</u> Factor loadings on the principal factor ranged between 0.65- 0.85 confirming the unidimensionality of the scale.	Internal consistency: Internal consistency, determined by Cronbach's alpha was 0.86	Partner rating for EQR Mean (SD) scores: Partner in pre-injury relationship: 21.6 (5.0), median: 23 Partner in post-injury relationship: 23.9 (3.9), median: 25

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	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)			