

**Research Summary – Classification System for Chronic Pain in SCI/Cardenas Pain Classification – Pain**

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability															
<p><a href="#">Bryce et al. 2007</a></p> <p>Survey. A vote in a course on outcome measures at a international meeting.</p> <p>American Spinal Injury Association and the International Spinal Cord Society scientific meeting in Boston</p>	<p>N = 59 Participants at the scientific meeting.</p>	<p>In a vote on validity and usefulness, the Classification System for Chronic Pain in SCI (Cardenas scale) was determined to be less valid and useful than both the Bryce-Ragnarsson Pain Taxonomy (BRPT) and the International Association for the Study of Pain (IASP) SCI Classification.</p> <p>See table 1 below</p>																	
<p>Table 1</p> <table border="1"> <thead> <tr> <th colspan="5"><b>Voting on Pain Classification Validity/Usefulness:</b></th> </tr> <tr> <th><b>Instrument</b></th> <th><b>Valid and useful % (N)</b></th> <th><b>Useful but requires more validation % (N)</b></th> <th><b>Useful but requires changes/improvement then further validation % (N)</b></th> <th><b>Not useful or valid for research in SCI % (N)</b></th> </tr> </thead> <tbody> <tr> <td><b>Cardenas</b></td> <td>4 (2)</td> <td>20 (11)</td> <td>52 (29)</td> <td>25 (14)</td> </tr> </tbody> </table>					<b>Voting on Pain Classification Validity/Usefulness:</b>					<b>Instrument</b>	<b>Valid and useful % (N)</b>	<b>Useful but requires more validation % (N)</b>	<b>Useful but requires changes/improvement then further validation % (N)</b>	<b>Not useful or valid for research in SCI % (N)</b>	<b>Cardenas</b>	4 (2)	20 (11)	52 (29)	25 (14)
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	<b>BRPT</b>	14 (8)	42 (25)	36 (21)	8 (5)
	<b>IASP</b>	19 (11)	47 (28)	31 (18)	3 (2)
<a href="#">Cardenas 2002</a>  Independent categorization (based on questionnaires; for 15 persons, questionnaires plus personal interviews) by 2 investigators  Community	333 questionnaires mailed out: 163 SCI individuals responded currently experiencing pain 69.9% men 30% women Avg. age: 40.6 M (13.4), 43.9 W (13,8) Age range: 18 -77 years.  52% Tetraplegia 47% Paraplegia			<b>Test-retest, Inter-rater, Intra-rater</b> Strength of agreement in categorizing pain problems reported on questionnaires was substantial between raters Kappa =0.68  Strength of agreement in categorizing pain problems in person was substantial between raters Kappa =0.66	