

JOA

EVIDENCE

The JOA has a category B recommendation in accordance with COSMIN criteria (1-3).

RELIABILITY

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Internal consistency	Cronbach's alpha: 0.72; consistent; total sample size: 100	Indeterminate	Low	(11)
Measurement error	MDC or SDC Distribution: 1.0; total sample size: 101 Anchor: 2.5; total sample size: 101	Sufficient	Very low	(8, 28)
	LOA 1.2 (-1.2, 3.6); total sample size: 92			
Reliability	Inter-observer reliability: ICC: 0.81; total sample size: 29	Sufficient	Very low	(29)
Bladder function	Intra-observer reliability: Kappa: 0.64; total sample size: 29	Insufficient	Very low	(29)
	Inter-observer reliability: Kappa: 0.47; total sample size: 29			
Motor function of fingers	Intra-observer reliability: Kappa: 0.68; total sample size: 29	Insufficient	Very low	(29)
	Inter-observer reliability: Kappa: 0.53; total sample size: 29			
Motor function of shoulder and elbow	Intra-observer reliability: Kappa: 0.50; total sample size: 29	Insufficient	Very low	(29)
	Inter-observer reliability: Kappa: 0.31; total sample size: 29			

RELIABILITY

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Motor function of lower extremity	Intra-observer reliability: Kappa: 0.55; total sample size: 29	Insufficient	Very low	(29)
	Inter-observer reliability: Kappa: 0.49; total sample size: 29			
Sensory function of lower extremity	Intra-observer reliability: Kappa: 0.44; total sample size: 29			
	Inter-observer reliability: Kappa: 0.34; total sample size: 29			
Sensory function of trunk	Intra-observer reliability: Kappa: 0.54; total sample size: 29			
	Inter-observer reliability: Kappa: 0.58; total sample size: 29			
Sensory function of upper extremity	Intra-observer reliability: Kappa: 0.51; total sample size: 29			
	Inter-observer reliability: Kappa: 0.42; total sample size: 29			

VALIDITY

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Cross-cultural validity	Forward-backward translation [Brazilian Portuguese] Comprehension rate: >81.2%	Indeterminate	Very low	(30)

VALIDITY

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Criterion validity	Likert scale, "Health transition question" AUC: 0.59; total sample size: 101	Insufficient	Very low	(28)
	Likert scale, "Patient satisfaction question" AUC: 0.62; total sample size: 101			
Construct validity	mJOA [convergent] Spearman's rank correlation: 0.87; total sample size: 92	Sufficient	Low	(8)
	JOACMEQ QOL [convergent] Spearman's rank correlation: 0.41; total sample size: 92			
	SF-12 PCS Spearman's rank correlation: 0.50; total sample size: 92			
	SF-12 MCS Spearman's rank correlation: -0.05; total sample size: 92			
	NDI Spearman's rank correlation range -0.50 to -0.76; total sample size: 122	Sufficient	Moderate	(8, 30)

RESPONSIVENESS

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Responsiveness	mJOA Spearman's rank correlation: 0.75; total sample size: 92	Sufficient	Very low	(8)

RESPONSIVENESS

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Responsiveness	JOA Mean change score range 4.6; total sample size: 126 Normalised change: 0.21; total sample size: 99	Indeterminate	Very low	(11, 25)
	JOA MFLE Mean change score range 0.6; total sample size: 126			

INTERPRETABILITY

Property	Result Summary	Overall Rating	Quality of Evidence	Reference
Interpretability	MCID: 2.5; total sample size: 101	Sufficient		(28)

FEASIBILITY

Tool	Time (Min)	Equipment	Training	License	Money	Ease of Administration	Overall Assessment
JOA	5	No	No	No	No	No barriers	No barriers