Appendix W1. Checklist for rating the clinimetric quality of self-assessment questionnaires

Clinimetric property	Definition	Criteria used to rate the clinimetric quality
Content validity	The extent to which the domain of interest is comprehensively sampled by the items in the questionnaire.	1) patients were involved during item selection and/or item reduction 2) patients were consulted for reading and comprehension. Rating: + patients and (investigator or expert) involved ± patients only - no patient involvement ? no information found on content validity
Readability & comprehension	The questionnaire is understandable for all patients	Rating: + readability tested; result was good - inadequate readability ? no information found on readability and comprehension
Internal consistency	The extent to which items in a (sub)scale are intercorrelated; a measure of the homogeneity of a (sub)scale	1) Factor analysis was applied in order to provide empirical support for the dimensionality of the questionnaire. 2) Cronbach's alpha between 0.70 and 0.90 for every dimension/subscale Rating: + adequate design & method; factor analysis; alpha 0.70-0.90 ± doubtful method used - inadequate internal consistency ? no information found on internal consistency
Construct validity	The extent to which scores on the questionnaire relate to other measures in a manner that is consistent with theoretically derived hypothesis concerning the domains that are measured.	1) hypotheses were formulated 2) results were acceptable in accordance with the hypotheses 3) an adequate measure was used Rating: + adequate design, method, and result ± doubtful method used - inadequate construct validity ? no information found on construct validity
Floor & ceiling effects	The questionnaire fails to demonstrate a worse score in patients clinically deteriorated and an improved score in patients who clinically improved	1) descriptive statistics of the distribution of scores were presented 2) 15% of respondents achieved the highest or lowest possible score Rating: + no floor / ceiling effects - more than 15% in extremities ? no information found on floor and ceiling effects
Test-retest reliability	The extent to which the same results are obtained on repeated administrations of the same questionnaire when no change in physical functioning has occurred	1) calculation of an intraclass correlation coefficient (ICC); ICC > 0.70 2) time interval and confidence intervals were presented Rating: + adequate design, method, and ICC > 0.70 ± doubtful method was used - inadequate reliability ? no information found on test-retest reliability
Agreement	the ability to produce exactly the same scores with repeated measurements	1) for evaluative questionnaires reliability agreement should be assessed 2) limits of agreement, Kappa, or standard error of measurement (SEM) was presented Rating: + adequate design, method and result ± doubtful method used - inadequate agreement ? no information found on agreement
Responsiveness	The ability to detect important change over time in the concept being measured	1) for evaluative questionnaires responsiveness should be assessed 2) hypotheses were formulated and results were in agreement 3) an adequate measure was used (ES, SRM, comparison with external standard) Rating: + adequate design, method and result ± doubtful method used - inadequate responsiveness ? no information found on responsiveness
Interpretability	The degree to which one can assign qualitative meaning to quantitative scores	Authors provided information on the interpretation of scores: 1. presentation of means and SD of scores before and after treatment 2. comparative data on the distribution of scores in relevant subgroups 3. information on the relationship of scores to well-known functional measures or clinical diagnosis 4. information on the association between changes in score and patients' global ratings of the magnitude of change they have experienced Rating: + 2 or more of the above types of information was presented ± doubtful method used or doubtful description ? no information found on interpretation
Minimal clinically important difference (MCID)	The smallest difference in score in the domain of interest which patients perceive as beneficial and would mandate a change in patient's management	Information is provided about what (difference in) score would be clinically meaningful. Rating: + MCID presented - no MCID presented
Time to administer	Time needed to complete the questionnaire	Rating: + less than 10 minutes - more than 10 minutes ? no information found on time to complete the questionnaire
Administration burden	Ease of the method used to calculate the questionnaire's score	Rating: + easy: summing up of the items ± moderate: visual analogue scale (VAS) or simple formula - difficult: VAS in combination with formula, or complex formula ? no information found on rating method