

Supplementary File S3. Reliability and Validity of Non-instrumental Clinical Assessments for Adults with Oropharyngeal Dysphagia: A systematic review.

Definitions of the nine measurement properties according to COSMIN [1, 2]

DOMAIN	MEASUREMENT PROPERTY
RELIABILITY	<i>Degree to which the measurement is free from measurement error</i>
	1) Internal consistency Degree of the interrelatedness among the items
	2) Reliability Proportion of the total variance in the measurements which is because of “true” differences between patients
	3) Measurement error Systematic and random error of a patient’s score that is not attributed to true changes in the construct to be measured.
VALIDITY	<i>Degree to which an instrument measures the construct(s) it purports to measure</i>
	4) Content validity Degree to which the content of an instrument is an adequate reflection of the construct to be measured
	5) Structural validity Degree to which the scores of an instrument are an adequate reflection of the dimensionality of the construct to be measured
	6) Hypotheses testing Idem construct validity
	7) Cross-cultural validity Degree to which the performance of the items on a translated or culturally adapted instrument are an adequate reflection of the performance of the items of the original version of the instrument
	8) Criterion validity Degree to which the scores of an instrument are an adequate reflection of a ‘gold standard’
RESPONSIVENESS	<i>Ability of an instrument to detect change over time in the construct to be measured</i>
	9) Responsiveness Idem Responsiveness
Interpretability^a	<i>Degree to which one can assign qualitative meaning to an instrument’s quantitative scores or change in scores</i>

^a Interpretability is not considered a psychometric property.

References

1. Mokkink, L.B., et al., *COSMIN methodology for systematic reviews of patient-reported outcome measures (PROMs)*. User manual, 2018. **78**(1).
2. Mokkink, L.B., et al., *The COSMIN study reached international consensus on taxonomy, terminology, and definitions of measurement properties for health-related patient-reported outcomes*. Journal of clinical epidemiology, 2010. **63**(7): p. 737-745.