**Appendix.** Construct, reliability, and validity of measurement tools.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Construct</th>
<th>Evidence for reliability</th>
<th>Evidence for validity</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiniBESTest(^{1-4})</td>
<td>Performance-based balance test across four domains (anticipatory postural control, reactive postural control, sensory orientation, dynamic gait).</td>
<td>Excellent test-retest (ICC=0.92) and inter-rater reliability (ICC=0.91) in PD(^4)</td>
<td>Good to excellent concurrent validity with the Berg Balance Test in PD (rs ≥ 0.79)(^{2,5})</td>
</tr>
<tr>
<td>Functional Reach Test(^6)</td>
<td>Measurement of the maximum distance one can reach forward while standing in a fixed position.</td>
<td>Excellent test-retest reliability in PD (ICC=0.84)(^7) and adequate intra-rater reliability (ICC=0.74)(^8)</td>
<td>Good predictive validity for future falls in PD(^{9,10})</td>
</tr>
<tr>
<td>Timed Up and Go Test (TUGT)(^11)</td>
<td>Timed completion of rising from a chair, walking three meters, turning around, walking back to the chair, and sitting down.</td>
<td>Good test-retest reliability in PD (ICCs ≥ 0.80)(^{12,13}) and excellent interrater reliability (r=0.99) in PD(^{14})</td>
<td>Moderate to good convergent validity evidence in PD (correlated with the BBS (r=-0.78), fast gait speed (r=-0.69), and comfortable gait speed (r=-0.67)(^{15})</td>
</tr>
<tr>
<td>Computerized dynamic posturography – motor control and sensory organization</td>
<td>Computerized assessment of one’s ability to use visual, proprioceptive and vestibular cues to maintain static postural stability</td>
<td>Adequate composite score reliability (ICC = 0.66) in older adults(^16) and excellent reliability in multiple sclerosis (ICC = .90)(^17)</td>
<td>Good discriminant validity with self-reported falls history in individuals with vestibulopathy(^18) and with high and low disability in multiple sclerosis(^17)</td>
</tr>
<tr>
<td>Instrumented walkway - Protokinetics Zeno Walking Mat</td>
<td>Quantitative analysis of spatial and temporal gait measurements using an instrumented walkway</td>
<td>Excellent test-retest reliability (ICCs ≥ 0.92) in healthy adults(^19) and older adults (ICCs ≥ .82)(^20)</td>
<td>Excellent concurrent validity with paper-and-pencil analysis and video (ICCs ≥ .93)(^21) and good discriminative validity in people with and without Parkinson's disease(^22)</td>
</tr>
</tbody>
</table>

**REFERENCES**