Additional file 1. **Guidelines for reporting reliability and agreement studies (GRRAS) checklist.** Version based on Table I in reference 34.

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| **Section** | **Item****#** | **Checklist item** | **Reported****on page #** |
| Title/abstract | 1 | Identify in title or abstract that interrater/intraraterreliability or agreement was investigated. | 1 |
|  | 2 | Name and describe the diagnostic or measurementdevice or interest explicitly. | 4 |
|  | 3 | Specify the subject population of interest. | 3 |
|  | 4 | Specify the rater population of interest (if applicable). |  |
|  | 5 | Describe what is already known about reliability andagreement and provide a rationale for the study (ifapplicable). | 3-4 |
| Methods | 6 | Explain how the sample size was chosen. State thedetermined number of raters, subjects/objects, and replicate observations. | 5 |
|  | 7 | Describe the sampling method. | 5 |
|  | 8 | Describe the measurement/rating process (e.g. timeinterval between repeated measurements, availabilityof clinical information, blinding). | 6-7 |
|  | 9 | State whether measurements/ratings were conductedindependently. | 6 |
|  | 10 | Describe the statistical analysis. | 7 |
| Results | 11 | State the actual number of raters and subjects/objectswhich were included and the number of replicateobservations which were conducted. | 8 |
|  | 12 | Describe the sample characteristics of raters andsubjects (e.g. training, experience). | 6 |
|  | 13 | Report estimates of reliability and agreement includingmeasures of statistical uncertainty. | 8-10 |
| Discussion | 14 | Discuss the practical relevance of results. | 10-14 |
| Auxiliarymaterial | 15 | Provide detailed results if possible (e.g. online). |  |