## Appendix 2. Interpretation of results from Domain 3 of the CATRAS - Grading of the pain assessment tool

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| **TOTAL WEIGHTED SCORE** | **QUALITY OF TOOL** | **DESCRIPTION** |
| **20 to 15** | **High** | The PAT has undergone several validation studies, using overall large sample sizes and representative of various patient groups. PAT development, reliability, and validity of the PAT were well documented, using appropriate validation strategies, reaching significant appropriate statistics/tests (e.g. use of repeated-measures were controlled for, CIs (confidence intervals) provided and narrow), and results are consistent from a study to another. |
| **12 to 14.9** | **Moderate** | The PAT has undergone some validation studies, using overall moderate sample sizes and representative of some patient groups. PAT development, reliability, and validity were well documented, using appropriate validation strategies for most studies (e.g. observational PAT should at least undergo inter-rater reliability, a criterion or an objective measure—when available—should be used for validity testing), reaching significant appropriate statistics/tests, and results are consistent in most studies. Some methodological limitations are present (e.g. internal consistency calculated using number of observations instead of number of patients, repeated-measures were not controlled for, CIs may be provided but are wide). |
| **10 to 11.9** | **Low** | Some acceptable psychometric properties reported; available evidence supports the need for further testing. The PAT has undergone very few validation studies, using a small sample size but not representative of different patient groups. Tool development, reliability, and validity are not all documented or tested. Methodological limitations were identified. Further research is needed to support results. |
| **0 to 9.9** | **Very low** | Few psychometric properties reported and/or tool revisions are needed. The PAT has not undergone any validation studies or very few validation studies, using a small sample size but not representative of different patient groups. PAT development, reliability, and validity are not all documented or tested. Many methodological limitations were identified. At this point, the properties of the PAT cannot be supported for the targeted patient group, and further research is clearly needed. |