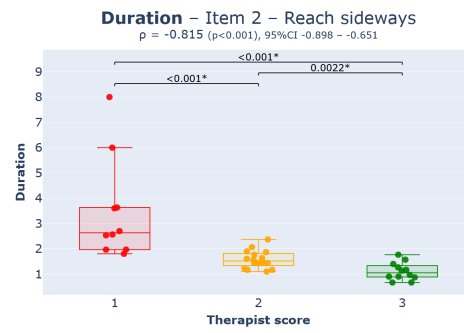


Evaluating upper limb movement smoothness
metrics derived from markerless 3D motion
tracking in children with neurological disorders
Supplementary material

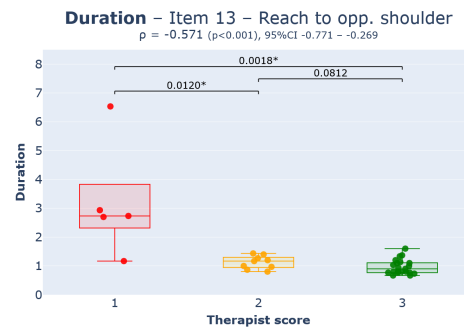
Nikolas Hesse, Jan Lieber, Hubertus J.A. van Hedel

Movement duration - result plots

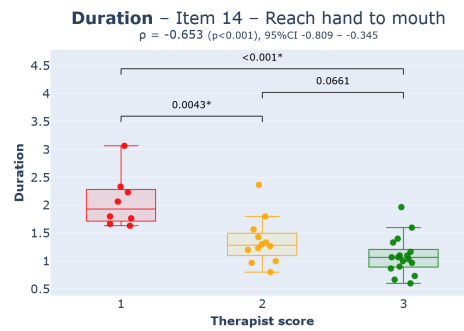
Below, the movement duration, i.e. the time from the onset of movement until the point of task achievement, is plotted against therapist score per items (Sup. Fig. [S1](#)) and the average duration is plotted against the average therapist score (Sup. Fig. [S2](#)).



(a) Item 2

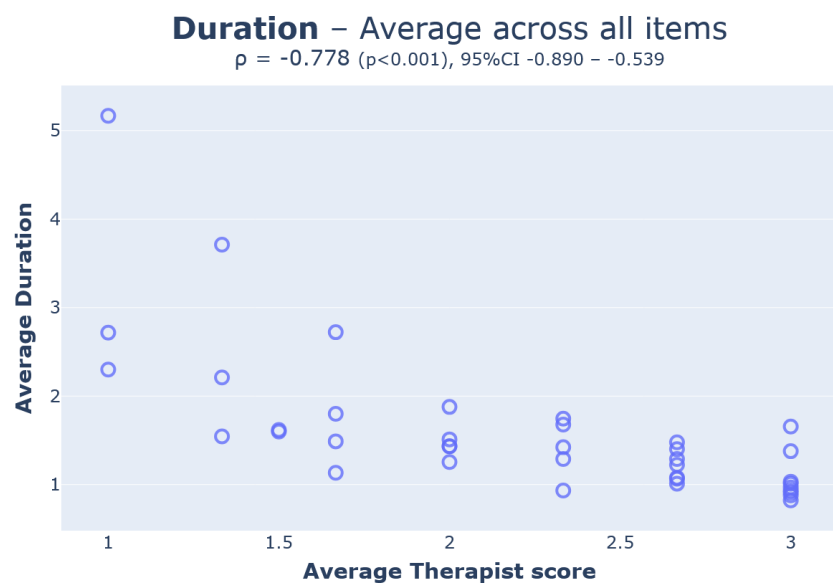


(b) Item 13



(c) Item 14

Supplementary Figure S1: Duration values per item. Each dot in a plot represents one patient. X-axis: therapist score, Y-axis: duration in seconds. Note the differences in y-axis ranges (scaled to data points). *denotes significant differences between score groups ($p < 0.0167$, corrected for multiple comparisons).



Supplementary Figure S2: Average duration vs. average therapist score