**Supplementary material (for online publication only)**

We made repeated measures ANOVA on the main and the secondary judgment criteria. We also made contrasts between groups which did not show any significant difference. We did not find any significant difference between groups concerning the number of nouns nor concerning the secondary judgment criteria (Please see Table 4 for the detailed results of these analyses). Furthermore, by taking into account the number of rehabilitation sessions and the post-stroke delay, we did not find any between-group significant difference except an assessment effect for repetitions (F(6,4)=381.95, p=0.039, η2partial=1.00), for the duration of the Bells test (F(6,4)=34950,29, p=0.004, η2partial=1.00) and for litteral fluency (F(6,4)=309.79, p=0.043, η2partial=1.00).

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| Judgment criterion | Group effect | Assessment effect | Group\*Assessment effect |
| Number of nouns | F(1,9)=0.001, p=1.00, η2partial=0.001 | F(6,4)= 0.43, p=0.83, η2partial=0.46 | *ns* |
| Number of verbs | F(1,9)=0.10, p=0.76, η2partial=0.012 | F(6,4)=4.05, p=0.14, η2partial=0.89 | *ns* |
| Number of adjectives | F(1,9)=0.17, p=0.69, η2partial=0.021 | F(6,4)=1.99, p=0.31, η2partial=0.80 | *ns* |
| Number of adverbes | F(1,9)=0.40, p=0.54, η2partial=0.048 | F(6,4)=0.84, p=0.61, η2partial=0.63 | *ns* |
| Number of pronouns | F(1,9)=0.12, p=0.74, η2partial=0.014 | F(6,4)=3.79, p=0.15, η2partial=0.88 | *ns* |
| Number of repetitions | F(1,9)=1.56, p=0.25, η2partial=0.16 | F(6,4)=1.52, p=0.39, η2partial=0.75 | *ns* |
| Number of blank ideas | F(1,9)=0.11, p=0.75, η2partial=0.014 | F(6,4)=0.93, p=0.57, η2partial=0.65 | *ns* |
| Number of ideas | F(1,9)=0.055, p=0.82, η2partial=0.007 | F(6,4)=0.29, p=0.91, η2partial=0.37 | *ns* |
| Number of utterances with grammatical errors | F(1,9)=1.33, p=0.28, η2partial=0.14 | F(6,4)=2.30, p=0.26, η2partial=0.82 | *ns* |
| Number of paraphasias | F(1,9)=0.52, p=0.49, η2partial=0.061 | F(6,4)=0.69, p=0.68, η2partial=0.58 | *ns* |
| Verbal working memory span (direct) | F(1,9)=0.010, p=0.92, η2partial=0.001 | F(6,4)=0.53, p=0.75, η2partial=0.40 | *ns* |
| Verbal working memory span (reverse) | F(1,9)=0.69, p=0.43, η2partial=0.090 | F(6,4)=1.07, p=0.56, η2partial=0.76 | *ns* |
| Number of omissions during the Bells test | F(1,9)=0.008, p=0.93, η2partial=0.001 | F(6,4)=1.60, p=0.43, η2partial=0.83 | *ns* |
| Total duration of the Bells test (seconds) | F(1,9)=0.14, p=0.72, η2partial=0.019 | F(6,4)=1.12, p=0.54, η2partial=0.77 | *ns* |
| Categorical fluency (animals) | F(1,9)=0.16, p=0.70, η2partial=0.022 | F(6,4)=0.51, p=0.78, η2partial=0.60 | *ns* |
| Litteral fluency (p) | F(1,9)=2.57, p=0.15, η2partial=0.27 | F(6,4)=3.59, p=0.23, η2partial=0.92 | *ns* |

Table 4. Presentation of the results of repeted measures ANOVA for the main and the secondary judgment criteria. *ns*=non significant