**Additional file 3.** Screeninig pilot-test form

**Level 1 screening**

If you answer NO to any of these questions, the citation will be excluded. All other citations will be included in L2 screening.

1. Does the study include patients with post-stroke cognitive impairment?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_
2. Were the patients treated with pharmacological (e.g. anticholinergic therapy, antihypertensive therapy, antiplatedlet therapy or others) or nonpharmacological (e.g. conventional cognitive training, virtual reality, noninvasive brain stimulation or others) cognitive rehabilitation interventions?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_
3. Were the patients treated with one of the above cognitive rehabilitation interventions compared to each other?

YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_

1. Is this a relevant study design (e.g., experimental, quasi-experimental, observational studies)?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_

**Level 2 screening**

If you answer NO to any of these questions, the citation/study will be excluded. All other full-text articles will be included.

1. Does the study include patients with post-stroke cognitive impairment diagnosed by any validated neuropsychological tests or experienced researchers?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_
2. Were the patients treated with pharmacological (e.g. anticholinergic therapy, antihypertensive therapy, antiplatelet therapy or others) or nonpharmacological (e.g. conventional cognitive training, virtual reality, noninvasive brain stimulation or others) cognitive rehabilitation interventions delivered alone?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_
3. Were the patients treated with one of the above treatments compared to each other?

YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_

1. Does the study report at least one of our efficacy and safety outcomes of interest (e.g., any clinical changes in general or specific cognitive domain, adverse effects (stroke, disability or mortality) or quality of life)?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_
2. Is this a relevant study design (experimental, quasi-experimental, observational cohort, case-control or registry studies)?
YES\_\_\_\_ NO\_\_\_\_ UNCLEAR\_\_\_\_