

Supplemental Digital Content 1

Table Neuropsychological test battery

Task	Domain	Explanation
Mini Mental State Examination (MMSE) ¹	Global measure of cognition	This test includes 30 simple questions and tasks related to several topics (orientation in time and place, repetition and recall of a list of words, arithmetic, language use and comprehension, and non-verbal memory). The summary score was analysed.
Rey Auditory Verbal Learning Test (RAVLT) ¹	Verbal memory, learning, recall efficiency	A list of 15 meaningful monosyllabic words is presented in 5 trials. Each trial ends with free recall of the words (immediate recall). After a period of 20 min following the fifth trial, the participant is requested to recall as many words as possible (delayed recall). The main variables used are the total number of correct words in the 5 immediate trials and the total number of correct words in the delayed recall trial.
Wechsler Memory Scale (WB sp) -Visual Memory Span ¹	Visual short-term memory	This test requires subjects to reproduce from memory a series of three geometric shapes after 10 s of exposure to the shapes.
WB sp-Digit Span Forward ¹	Attention, memory	Increasingly long sequences of random numbers are read to the patient, who is then asked to recall the sequence. This test terminates when patient fails to recall two sequences of the same length. In the backward subtest, patients must repeat the number sequence in reverse order.
WB sp-Digit Span Backward ¹	Attention, working memory	
Symbol Digit Modalities Test (SDMT) ¹	Psychomotor speed	The participant must fill in blanks according to a key in which a symbol corresponds to a digit. The number of filled blanks within 90 s is recorded.

PsychE-simple reaction time ²	Psychomotor speed, reaction time	The subject holds down the spacebar on the keyboard. After a random interval of 1-10 s, a small 'sun' icon appears at a random position on the screen. The subject is required to lift his or her finger as quickly as possible from the spacebar and use it to press numeric key 4. For each response, the total reaction time is recorded with an accuracy of 1 ms.
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References

1. Lezak MD. *Neuropsychological Assessment*. New York, USA: Oxford University Press, 1995.
2. Hope AT, Woolman PS, Gray WM, Asbury AJ, Millar K. A system for psychomotor evaluation; design, implementation and practice effects in volunteers. *Anaesthesia* 1998; **53**:545-550.