

## Data supplement

**Table DS1** Neuropsychological results obtained by participants during the acute and peri-acute phases

	Acute phase (n=17) Mean (s.d.)	Peri-acute phase (n=18) Mean (s.d.)	Controls (n=26) Mean (s.d.)
General cognitive functions			
Orientation	6.7 (2.1)***††	8.5 (0.6)	8.8 (0.4)
Semantic categorisation	7.8 (0.6)	7.7 (0.5)	7.5 (0.8)
Categorical fluency			
Number of responses	18.8 (4.6)**	19.2 (5)**	25.4 (5.9)
Perseverations	2.7 (2.6)***††	0.7 (1.1)	0.3 (0.7)
Anterograde component of episodic memory			
Emotional judgement score <sup>a</sup>			
Positive items	6.5 (0.7)	6.8 (0.6)	6.7 (0.5)
Negative items	2.5 (1.1)	2.1 (0.7)	2.5 (1.2)
Neutral items	5.1 (0.7)	4.8 (0.6)	4.9 (0.5)
Accuracy score <sup>b</sup>			
Positive items	0.67 (0.1)***††	0.88 (0.06)*	0.96 (0.05)
Negative items	0.61 (0.1)***††	0.87 (0.08)*	0.94 (0.05)
Neutral items	0.59 (0.1) ***††	0.87 (0.1)**	0.96 (0.03)
Recollection score			
Positive items	0.006 (0.02)***††	0.52 (0.2)***	0.78 (0.2)
Negative items	0.01 (0.03)***††	0.47 (0.2)***	0.76 (0.2)
Neutral items	0.01 (0.03)***††	0.47 (0.3)*	0.68 (0.2)
Familiarity score			
Positive items	0.05 (0.11)***††	0.18 (0.16)	0.31 (0.4)
Negative items	0.02 (0.05)	0.11 (0.15)	0.19 (0.3)
Neutral items	0.01 (0.03)**	0.21 (0.25)	0.32 (0.4)
Retrograde component of episodic memory <sup>a</sup>			
Specificity score			
Life period: 18–30 years	2.35 (1.3)***	3 (1.1)	3.68 (0.5)
Life period: past 10 years	2.06 (1.1)***	2.67 (1.2)*	3.52 (0.7)
Life period: past 12 months	1.76 (1.2)***	2.42 (1.3)**	3.50 (0.6)
Recollection score			
Life period: 18–30 years	3.94 (1.8)	4.35 (1.5)	4.98 (1.2)
Life period: past 10 years	3.76 (2)	4.47 (2)	4.94 (1.2)
Life period: past 12 months	3.03 (1.9)**	4.50 (2.2)	5.34 (0.9)
Intensity score			
Life period: 18–30 years	4 (1.8)	4.25 (1.5)	4.64 (1.1)
Life period: past 10 years	3.69 (2)	4.31 (2)	4.54 (1)
Life period: past 12 months	2.83 (1.8)*	3.93 (2.1)	4.38 (1)
Valence score			
Life period: 18–30 years	3.80 (1.8)	3.68 (1.5)	4.14 (1.4)
Life period: past 10 years	2.53 (1.7)	2.79 (1.8)	3.46 (1.5)
Life period: past 12 months	2.82 (2.2)†	3.08 (1.9)	4.18 (1.5)
Working memory			
Forward digit span	6.8 (1.9)	7.7 (2.5)	8.2 (2.1)
Forward visuospatial span <sup>a</sup>	5.1 (1.5)	6.2 (2.4)	8 (1.8)
Backward digit span	7.3 (1.6)	8.6 (2.3)	6.4 (2.2)
Backward visuospatial span <sup>a</sup>	6 (2.3)*	6.9 (1.5)	7.5 (1.4)
Letter-number sequence	7.9 (2.9)**	9.1 (2.7)	10.9 (2.5)

a. Missing data: forward and backward visuospatial span carried out by 16/18 participants with transient global amnesia (peri-acute phase) and 25/26 controls; assessment of valence (anterograde component of episodic memory) carried out by 16/18 controls; autobiographical memory task carried out by 25/26 controls.

b. Accuracy score (anterograde component of episodic memory): score of 0.5 corresponds to baseline.

\*P<0.05, \*\*P<0.01, \*\*\*P<0.001; all compared with controls.

†P<0.09 compared with controls; ††P<0.05 compared with participants in peri-acute phase..