

ICANS mitigation in high-risk elderly patients treated with CD28 co-stimulatory anti-CD19 CAR-T cells using a standardization protocol: a pilot study

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Supplementary Table 1 – EEG and MRI Findings

Patient	ICANS Grade	EEG Dysfunction Territory	MRI Findings				
			T2/FLAIR Hyperintensities	Leptomeningeal Enhancement	Cerebral Edema	Microhemorrhages	Restricted Diffusion
2	3	NA	Periventricular + subcortical WM	None	None	None	None
10	3	NA	Bilateral WM, nonspecific	None	None	None	None
17	3	Right Parietal	WM + cerebellum, ischemic	None	None	Right frontal SWI	None
18	2	General	None	None	None	None	None
21	2	Left Temporal					
22	3	General	WM periventricular, stable	None	None	None	None
24	3	General	Cerebellar focus, m\p chronic	None	None	None	None
25	1*	General					
28	2	None					
29	3	General					
31	3	Frontal	Pons, midbrain, thalamus	None	None	None	None
36	3	General	Mild periventricular WM	None	None	None	None
38	3	NA	NA due to motion	None	None	None	None
39	1	Left Temporal					
40	3	None	Bilateral WM (leukoaraiosis)	None	None	None	None
44	3	General					
EEG Electroencephalogram, M\p Most probably, NA Not applicable, SWI Susceptibility Weighted Imaging, WM White matter							
*EEG was performed pre-emptively based on early clinical concern for potential neurological deterioration and is a minor deviation from protocol							