Supplementary Online Content

This supplementary material has been provided by the authors to give readers additional information about their work.

Table S1: Exploratory analysis of primary outcome (mortality at 6 months) and functional outcomes across cEEG versus rEEG in patients with and without hypoxic-ischemic encephalopathy. (Poisson regression models for categorical variables [mortality] and linear regression models for continuous variables [Δ mRS and CPC]). Bold values are significant.

Patients with hypoxic-ischemic encephalopathy	rEEG (n=52)	cEEG (n=60)	Crude			Adjusted for CCI		
	Number	Number	Relative risk	95% CI	p-value	Relative risk	95% CI	p-value
Mortality at 6 months	29 (55.8%)	39 (65.0%)	1.16	0.86-1.58	0.327	1.28	0.94-1.75	0.122
	median (range)	median (range)	Regression coeff.	95% CI	p-value	Regression coeff.	95% CI	p-value
Δ mRS at 6 Months (survivors)	1 (-1 – 4)	1 (-1 – 4)	0.39	-0.45-1.22	0.355	0.34	-0.52-1.20	0.432
CPC at 6 Months (survivors)	1 (1-3)	2 (1-3)	0.15	-0.37-0.68	0.560	0.21	-0.32-0.75	0.428
Patients without hypoxic-ischemic encephalopathy	rEEG (n=130)	cEEG (n=122)	Crude			Adjusted for CCI		
	Number	Number	Relative risk	95% CI	p-value	Relative risk	95% CI	p-value
Mortality at 6 months	59 (45.4%)	50 (41.0%)	0.90	0.68-1.20	0.483	0.90	0.68-1.20	0.466
	median (range)	median (range)	Regression coeff.	95% CI	p-value	Regression coeff.	95% CI	p-value
Δ mRS at 6 Months (survivors)	1 (-5 – 4)	1 (-3 – 5)	0.73	0.10-1.36	**0.023**	0.74	0.12-1.35	**0.019**
CPC at 6 Months (survivors)	2 (1-4)	2 (1-4)	0.06	-0.24-0.35	0.710	0.06	-0.24-0.35	0.706

Legend: rEEG = routine electroencephalography; cEEG = continuous electroencephalography; CCI = Charlson comorbidity index; CI = confidence interval; CPC = Cerebral Performance Category; Δ mRS = evolution of modified Rankin Scale between pre-hospitalization and at 6 months.

Figure S1: Study design. cEEG=continuous EEG; rEEG=routine EEG.
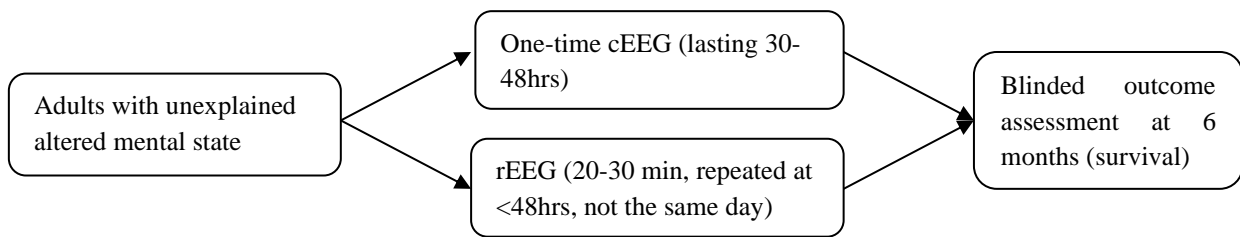

Figure S2: Cerebral performance categories (CPC) and modified Rankin Scales (mRS) at 6 months in the two intervention groups.