

Table A1. The total number of missed or excluded scans due to delay patients transfer or within-runs movement

	time state	30	90	120	150	180	210	240	scan	Within-runs movement (m)	Delay transfer (t)
P1	aura	t	✓	✓	✓	✓	✓	✓	6	0	1
	inter	✓	✓	m	✓	✓	✓	✓	7	1	0
	ictal	✓	✓	✓	✓	✓	m	✓	7	1	0
P2	inter	✓	✓	✓	✓	✓	✓	✓	7	0	0
	ictal	✓	✓	✓	✓	✓	✓	✓	7	0	0
P3	inter	✓	✓	✓	✓	✓	m	✓	7	1	0
	aura	✓	✓	✓	✓	✓	m	m	7	2	0
P4	inter	✓	✓	✓	✓	✓	✓	✓	7	0	0
	ictal	t	t	✓	✓	✓	✓	✓	5	0	2
P5	ictal	t	t	✓	✓	✓	✓	✓	5	0	2
	inter	m	✓	✓	✓	✓	✓	✓	7	1	0
P6	ictal	t	✓	✓	✓	✓	✓	✓	6	0	1
	inter	✓	✓	✓	✓	✓	✓	✓	7	0	0
P7	inter	m	m	✓	✓	✓	✓	✓	7	2	0
N1	normal	✓	✓	m	✓	✓	m	✓	7	2	0
N2	normal	✓	✓	✓	✓	✓	✓	✓	7	0	0
N3	normal	✓	✓	✓	✓	✓	✓	✓	7	0	0
Total P									92	8 (8.7%)	6 (6.5%)
Total N									21	2 (9.5%)	0
Total P+N									113	10 (8.8%)	6 (5.3%)
✓: Included data for further analysis											
m: Excluded data due to within-runs movements											
t: No data due to delay transfer from epilepsy ward to nuclear medicine department											

Table A2. Comparison of ECD clearance rates (%/hr) from 12 SOZs and the contralateral regions in three seizure states and normal

P	Epileptogenic or seizure onset zones	Ictal SOZ	Ictal contralat	Aura SOZ	Aura contralat	Interictal SOZ*	Interictal contralat	Normal same side^a	Normal contralat^a
P1	Right superior/middle temporal gyrus	-1.48	-2.33	-5.21	-2.04	-2.69	-2.07	-2.70	-2.91
P2	Left hippocampus	+0.70	-2.78	-	-	-3.60	-3.66	-3.76	-3.51
P3	Right hippocampus	-	-	-8.83	-1.00	-5.80	-3.04	-3.51	-3.76
P4	Left temporal region	+2.96	-2.00 ^b	-	-	-5.22	-3.82 ^b	-3.76	-3.51
P4	Right temporal region	-2.29	-2.00 ^b	-	-	-5.72	-3.82 ^b	-4.41	-4.75
P5	Right middle frontal gyrus	+4.21	-6.15	-	-	-7.20	-1.95	-2.93	-3.11
P6	Left posterior cingulate gyrus	+2.37	-1.27	-	-	-4.86	-5.51	-3.38	-4.00
P7	Left fusiform gyrus	-	-	-	-	-7.85	-1.84	-3.73	-3.56
N = 8	Mean	+1.08	-2.75	-7.02	-1.51	-5.37	-3.21	-3.28	-3.10
	S.D.	2.57	1.73	2.56	0.74	1.71	1.25	3.23	1.27

^a Normal (same side and contralat): average clearance rate of the same or contralateral region of the SOZ in three normal volunteers

^b P4 had bilateral temporal SOZ, and thus whole brain region was used instead of contralateral region.

* Paired t-test with statistically significant difference with $p = 0.039$ in interictal state.

No statistically significant difference between SOZ and contralateral regions in ictal state, aura state and normal.

SOZ: seizure onset zone, S.D: standard deviation