

Demographic and clinical data of each participant.

HS patient group									
No	Age	Sex	Hem i	Onset	Duration	Imaging diagnosis	Histolog y	Site of lesions	Electrodes
01	25	Male	Left	15	10	Positive	HS	Hippocampus	n/a
02	30	Female	Righ t	20	10	Positive	HS	Hippocampus	n/a
03	30	Female	Left	28	2	Positive	HS	Hippocampus	n/a
04	28	Male	Left	12	16	Positive	HS	Hippocampus	n/a
05	20	Female	Righ t	9	11	Negative	HS	Hippocampus	n/a
06	25	Male	Righ t	7	18	Positive	HS	Hippocampus	A ₁₋₂ , B ₃₋₄ , C ₂₋₃
07	39	Male	Left	28	11	Negative	HS	Hippocampus	A ₄₋₅ , B ₃₋₄ , C ₂₋₃
08	25	Female	Left	23	2	Positive	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₂₋₃
09	11	Female	Left	3	8	Positive	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₂₋₃
10	39	Female	Left	6	33	Positive	HS	Hippocampus	n/a
11	28	Male	Righ t	16	12	Positive	HS	Hippocampus	B ₁₋₂ , C ₂₋₃
12	27	Female	Left	9	18	Positive	HS	Hippocampus	n/a
13	14	Male	Righ t	6	8	Negative	HS	Hippocampus	J ₁₋₂ , I ₁₋₂
14	25	Female	Left	1	24	Positive	HS	Hippocampus	n/a
15	12	Female	Left	7	5	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₁₋₂
16	30	Female	Left	25	5	Positive	HS	Hippocampus	n/a
17	34	Female	Righ t	13	21	Positive	HS	Hippocampus	n/a

18	27	Female	Right	20	7	Positive	HS	Hippocampus	n/a
19	33	Female	Right	13	20	Positive	HS	Hippocampus	n/a
20	33	Female	Left	1	32	Negative	HS	Hippocampus	n/a
21	5	Male	Right	2	3	Positive	HS	Hippocampus	n/a
22	29	Female	Right	19	10	Positive	HS	Hippocampus	n/a
23	11	Male	Right	1	10	Negative	HS	Hippocampus	n/a
24	38	Female	Left	29	9	Positive	HS	Hippocampus	n/a
25	19	Female	Right	9	10	Negative	HS	Hippocampus	n/a
26	34	Female	Left	24	10	Positive	HS	Hippocampus	n/a
27	21	Female	Left	18.5	1.5	Positive	HS	Hippocampus	n/a
28	28	Male	Left	1	27	Positive	HS	Hippocampus	n/a
29	26	Female	Right	24.5	1.5	Negative	HS	Hippocampus	A ₁₋₂ , B ₂₋₃
30	21	Male	Right	12	9	Positive	HS	Hippocampus	n/a
31	25	Male	Left	4	21	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂
32	22	Female	Left	7	15	Positive	HS	Hippocampus	n/a
33	36	Male	Right	20	16	Positive	HS	Hippocampus	n/a

34	29	Male	Left	14	15	Positive	HS	Hippocampus	n/a
35	29	Male	Left	13	16	Positive	HS	Hippocampus	A ₁₋₂ , B ₂₋₃
36	18	Male	Left	3	15	Negative	HS	Hippocampus	n/a
37	27	Female	Left	8	19	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₁₋₂
38	34	Male	Left	24	10	Negative	HS	Hippocampus	A' ₁₋₂ , B' ₂₋₃
39	24	Male	Left	17	7	Negative	HS	Hippocampus	n/a
40	29	Male	Righ t	9	20	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₁₋₂
41	25	Male	Righ t	6	19	Negative	HS	Hippocampus	B ₁₋₂ , C ₁₋₂
42	19	Male	Righ t	8	11	Positive	HS	Hippocampus	A ₁₋₂ , B ₁₋₂
43	26	Female	Left	9	17	Positive	HS	Hippocampus	n/a
44	37	Female	Left	9	28	Positive	HS	Hippocampus	A' ₂₋₃ , C' ₂₋₃
45	32	Male	Left	11	21	Positive	HS	Hippocampus	n/a
46	24	Female	Righ t	12	12	Positive	HS	Hippocampus	A ₁₋₂ , B ₂₋₃
47	21	Male	Righ t	2	19	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₁₋₂
48	33	Male	Left	26	7	Negative	HS	Hippocampus	n/a
49	16	Male	Righ t	3	13	Negative	HS	Hippocampus	n/a
50	26	Male	Left	0.5	25.5	Positive	HS	Hippocampus	n/a
51	38	Male	Righ t	20	18	Negative	HS	Hippocampus	n/a
52	10	Male	Righ t	9.5	0.5	Negative	HS	Hippocampus	n/a

53	14	Male	Left	9	5	Positive	HS	Hippocampus	n/a
54	35	Female	Righ	31	4	Positive	HS	Hippocampus	n/a
55	19	Female	Righ	13	6	Negative	HS	Hippocampus	A ₁₋₂ , B ₁₋₂ , C ₂₋₃
56	38	Female	Left	16	23	Negative	HS	Hippocampus	n/a
57	16	Male	Righ	12.5	3.5	Positive	HS	Hippocampus	n/a
58	17	Male	Left	11	6	Positive	HS	Hippocampus	A ₁₋₂ , B ₁₋₂
59	3	Male	Righ	1.5	1.5	Positive	HS	Hippocampus	n/a
60	20	Female	Righ	17	3	Negative	HS	Hippocampus	n/a
61	23	Female	Righ	7	16	Positive	HS	Hippocampus	A ₁₋₂ , B ₁₋₂
62	32	Male	Righ	19	13	Positive	HS	Hippocampus	n/a
63	18	Male	Righ	16.7	1.3	Positive	HS	Hippocampus	n/a
64	30	Male	Righ	29.7	0.3	Positive	HS	Hippocampus	n/a
65	19	Female	Left	3	16	Negative	HS	Hippocampus	n/a
66	16	Female	Righ	13	3	Positive	HS	Hippocampus	A ₁₋₂ , B ₂₋₃ , C ₁₋₂
Control group for neuroimaging analysis									

No	Age	Sex	Hem i	Onset	Duration	Imaging diagnosis	Histolog y	Site of lesions	Electrodes
67	16	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
68	10	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
69	31	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
70	25	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
71	13	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
72	35	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
73	20	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
74	22	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
75	11	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
76	10	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
77	16	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
78	31	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
79	7	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
80	9	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
81	27	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
82	8	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
83	26	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
84	27	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
85	4	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
86	3	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
87	6.8	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
88	4	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
89	22	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
90	27	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a

91	6	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
92	4	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
93	16	Female	n/a	n/a	n/a	n/a	n/a	n/a	n/a
94	28	Male	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Control group for SEEG analysis									
No	Age	Sex	Hemi	Onset	Duration	Imaging diagnosis	Histology	Site of lesions	Electrodes
.			i				y		
95	16	Male	Right	14.5	1.5	Normal	FCD IIa	Pars triangularis	F ₁₋₂ , G ₂₋₃ , H ₃₋₄
96	10	Female	Right	8	2	Not specific	FCD IIa	Precentral sulcus	A ₁₋₂ , B' ₁₋₂ , A' ₁₋₂ , B' ₂₋₃
97	31	Female	Right	11	20	Normal	FCD IIa	Posterior cingulate gyrus	B ₁₋₂ , C ₂₋₃
98	22	Female	Left	5	17	Not specific	FCD IIa	Anterior cingulate gyrus	G ₁₋₂ , H ₂₋₃
99	15	Male	Left	5	10	Not specific	FCD IIb	Parietooccipital sulcus	I ₁₋₂ , H ₂₋₃ , G ₁₋₂
100	35	Male	Left	18	17	Normal	FCD IIb	Posterior cingulate gyrus	B' ₂₋₃ , C' ₃₋₄
101	9	Male	Right	8.2	0.8	DNET?	FCD IIb	Parietal lobe	G ₁₋₂ , H ₃₋₄
102	26	Female	Right	9	17	Increased FLAIR signal; blurring of GM/WM boundary	FCD IIb	Inferior parietal lobule	B ₃₋₄ , C ₂₋₃
103	37	Male	Right	34	3	Abnormal signal	FCD IIb	Orbitofrontal gyrus;	A ₁₋₂ , B ₂₋₃

104	19	Female	Left	16	3	Normal	FCD I	gyrus rectus Orbitofrontal gyrus	A'1-2, B'2-3
105	44	Male	Right	31	13	Increased signal in bilateral hippocampus?	GG	Posterior cingulate gyrus	B3-4, C1-2
106	27	Male	Left	9	16	Ischemic area	n/a	Inferior parietal lobule	A'1-2, B'3-4
107	17	Female	Left	8	9	Normal	FCD I	Parietal and occipital lobes	B1-2, C1-2
108	19	Female	Right	0.3	18.7	Not specific	n/a	Pars triangularis; Orbitofrontal gyrus	A1-2, B1-2, C1-2
109	34	Male	Right	22	12	Malacic foci	n/a	Occipital lobe	B3-4, C2-3
110	23	Male	Right	14	9	Cyst?	n/a	Occipital lobe	B1-2, C1-2, B'3-4, C'2-3

Abbreviations: HS: Hippocampal sclerosis; FCD: Focal cortical dysplasia; DNET: Dysembryoplastic Neuroepithelial tumor; GM/WM: Grey and white matter.