

Supplementary Table 2. Demographic, clinical, and surgical characteristics of patients included in the study.

Subject	Sex	Laterality	Types of seizures	Seizure frequency [D, W, M]	FCD type	1 st seizure [Y, M]	Age at MRI [Y, M]	Time from MRI to surgery [Mo]	Lesion localisation	Type of surgery/resection	Outcome [ILAE]	Outcome [Engel]	ECoG	videoEEG	HD EEG	SEEG	FDG-PET	SPECT	fMRI
S01	F	R	focal, preserved consciousness, epileptic spasms	3/D	1A	4Y 2M	5Y 3M	3M	R frontal	multilobar FT	1	1A	yes (+IOM motor fx)	yes	no	no	R temporal	no	no
S02	F	R	focal, impaired consciousness, tonic-clonic; negative myoclonus, FBTC; ESES	3/W	1A	8Y 3M	10Y	5M	R frontal	hemispherotomy	1	1A	no	yes	yes	yes	L central (lightly)	no	yes
S03	M	R	aura; FBTC	2-4/M, aura 2/W	1A	9Y 10M	14Y	1M	R temporal	lobar T	1	1A	yes	yes	yes	no	normal	yes	yes
S04	M	R	focal, preserved consciousness, arrest, automatisms, tonic, myoclonic	few/W, up to 20-40/D	1A	8Y 6M	10Y	2M, 7M, 18M	L frontal basal	lobar F + ventral insula (multiple surgeries)	5	4B*	yes	yes	yes	yes, repeated	L orbitofrontal, insula, amygdala	yes	yes
S05	M	N/A	focal, preserved consciousness, epileptic spasms	2-4/D	1A	0Y 5M	1Y 5M	3M	L parietooccipital	multilobar PO (partial)	4	3A	yes	yes	yes	no (age limit)	normal	no	no
S06	F	N/A	focal, preserved consciousness, epileptic spasms	5/D	1A	0Y 6M	2Y 8M	11,5M	R hemisphere	hemispherotomy	1	1A	no	yes	no	no	R hemisphere	no	no
S07	F	R	focal, preserved consciousness, tonic, automatisms, hyperkinetic	3-5/D	1A	5Y 7M	17Y	3M	R frontal	lobar F + ventral insula	1	1A	yes	yes	yes	yes	R frontal mesial	yes	no
S08	F	R	focal, preserved consciousness, tonic	1/D	2B	0Y 4M	3Y	2M	R frontal dorsal	focal F	1	1A	yes (+IOM motor fx)	yes	no	no	R frontal dorsal	no	no

<i>S09</i>	M	L	focal, preserved consciousness, tonic; FBTC	tens/D	2A	0Y 1M	9Y	1,5M	L occipital	multilobar PO (partial)	4	3A*	yes (+IOM motor fx)	yes	yes	no	L temporoparietal	no	no
<i>S10</i>	F	R	focal, preserved consciousness, tonic, myoclonic	few/W	2B	3Y 7M	5Y	4M	L frontal precentral	focal F	1	1A	yes (+IOM motor fx)	yes	yes	no	L frontal precentral	no	no
<i>S11</i>	F	R	focal, preserved consciousness, tonic	3-5/D	2B	1Y 6M	2Y 1M	9M	R temporoparietal	focal TP (g. supramarginalis)	1	1A	yes (+IOM motor fx)	yes	yes	no	R temoroparietal	no	no
<i>S12</i>	F	R	focal, impaired consciousness, psychic aura	1/D	2A	2Y 11M	8Y	4M	L frontal mesial	focal F	1	1A	yes	yes	yes	no	L frontal mesial	no	no
<i>S13</i>	F	R	focal, impaired consciousness, tonic, sensoric, hyperkinetic, emotional	6-7/D	2B	0Y 6M	3Y 8M	2M	L occipital	focal O	1	1A*	yes	yes	no	no	L occipital	no	no

Outcome Engel* (preliminary outcome at 1 year after surgery). FBTC (focal-to-bilateral tonic-clonic seizure), ESES (electrical Status Epilepticus in Sleep). F, T, P, O (frontal, temporal, parietal, occipital). EcoG (intraoperative electrocorticography), IOM motor fx (intraoperative monitoring of motor function). HD EEG (high density EEG), SEEG (stereoelectroencephalography), SPECT (single-photon emission computed tomography), fMRI (functional MRI).