

## Supplementary materials

**Table:** Clinical, neuropathological, Electrophysiological and Neuroimaging information of each patient

Patient	Age (age at onset)	Handiness	Type of seizures	# of depth electr.	MRI
NAP	42 (6-7)	R	Right temporo-perisylvian seizures	11 (R)	Right hippocampal sclerosis
SAN	24 (15)	R	Bilateral temporo-perisylvian seizures with Right predominance	10 (R) 2 (L)	Normal
LEM	44 (35)	L	Left frontal seizures	9 (L) 2 (R)	Left mesial frontal signal abnormality near genu of corpus callosum (focal cortical dysplasia)
PAQ	34 (11)	R	Bilateral temporo-frontal seizures with right predominance	-	Cyst in the left hippocampus and enlarged right amygdala
MED	30 (16)	R	Bilateral frontal with right predominance	12(R) 3 (L)	Normal