

Table S4. Patient Characteristics and Implanted Electrodes

Subject	Age	Gender	Epilepsy Risk Factor	Pathology	Electrode Types	Electrode Placements
CT 01	44	F	n/a	n/a	4 x 4 hybrid	Right Motor
CT 02	46	F	n/a	n/a	4 x 6 hybrid	Left Motor
SZ 01	35	F	Oligodendroglioma (prior to tumor surgery at age 25)	Oligodendroglioma and gliosis	6 x 6 standard 1 x 8 hybrid	Right Frontal Motor
SZ 02	24	M	none	Cortical dysplasia (Taylor type I)	4 x 6 hybrid 6 x 6 standard	Left Frontal Left Frontoparietal
SZ 03	21	F	Traumatic brain injury, left frontal head at age 1	Severe subpial gliosis	1 x 4 standard 1 x 4 standard 1 x 4 hybrid 1 x 8 standard 1 x 4 hybrid 1 x 4 hybrid 1 x 4 standard depth 1 x 4 standard depth	Anterior Left Subfrontal Middle Left Subfrontal Posterior Left Subfrontal Anterior Left Mesial Temporal Middle Left Subtemporal Posterior Left Subtemporal Anterior Posterior
SZ 04	39	F	none	Marked gliosis, predominantly subcortical and subpial; temporal lobe	6 x 6 standard 1 x 8 standard 1 x 8 standard 1 x 4 standard 1 x 4 standard 1 x 4 hybrid depth 1 x 4 standard depth	Left Temporal Left Inferior Frontal Left Superior Frontal Left Temporal Anterior Left Temporal Posterior Left Anterior Left Posterior
SZ 05	21	F	none	Subpial gliosis	4 x 6 standard 1 x 4 standard 1 x 4 standard 1 x 4 standard 1 x 4 standard 1 x 8 standard 1 x 4 hybrid 1 x 4 standard 1 x 4 standard	Left Temporal Anterior Temporal Anterior Mesial Temporal Mesial Temporal Posterior Temporal Frontal Anterior Temporal Depth Middle Temporal Depth Posterior Temporal Depth
SZ 06	42	M	Ependymoma, resected at age 10	Marked subpial gliosis; recurrence of ependymoma	4 x 6 hybrid 6 x 8 standard	Left Parietooccipital Left Frontoparietal
SZ 07	42	F	none	Dysplasia and gliosis	6 x 8 standard 3 x 8 standard 1 x 4 hybrid 1 x 4 standard 1 x 8 hybrid	Right Frontal Right Temporal Right Anterior Temporal Right Inferior Temporal Right Posterior Temporal
SZ 08	38	F	Closed head injury	Severe subpial gliosis	6 x 6 standard 1 x 4 hybrid depth 1 x 4 hybrid depth 1 x 4 standard depth	Left Temporal Left Anterior Temporal Middle Temporal Posterior Temporal
SZ 09	27	M	Astrocytoma, resected at age 10	Encephalomalacia; previous astrocytoma resection	8 x 8 standard 1 x 4 standard 1 x 4 hybrid 1 x 8 standard 1 x 4 hybrid 1 x 4 standard 1 x 4 standard	Right Frontal Superior Right Interhemispheric Inferior Right Interhemispheric Right Frontopolar Superior Right Lateral Temporal Inferior Right Lateral Temporal

CT = Control subject; SZ = Seizure subject.