

Table 4. Table of DOA scores for each patient separately. Each patient has 2-3 seizure recordings available and a DOA score was computed for each recording instance. The JHU scores are also included after the end of the leave-one-out procedure.

Patient	DOA (mean +/- std)
pt1	0.62 +/- 0.05
pt2	0.30 +/- 0.02
pt3	-0.16 +/- 0.03
pt8	0.18 +/- 0.03
pt10	0.26 +/- 0.03
pt12	-0.32 +/- 0.11
pt13	-0.00 +/- 0.07
UMMC001	0.03 +/- 0.05
UMMC002	0.05 +/- 0.03
UMMC003	0.04 +/- 0.04
UMMC004	0.17 +/- 0.04
UMMC005	0.41 +/- 0.12
UMMC006	-0.04 +/- 0.09
UMMC007	-0.09 +/- 0.08
EZT007	-0.38 +/- 0.01
EZT019	-0.33 +/- 0.04
EZT090	-0.26 +/- 0.00
EZT091	0.12 +/- 0.24
EZT092	-0.37 +/- 0.03
EZT120	-0.14 +/- 0.04
EZT121	0.66 +/- 0.03
EZT127	0.31 +/- 0.01
JH1	-0.07 +/- 0.21
JH2	0.30 +/- 0.30
JH3	0.23 +/- 0.57
JH4	0.14 +/- 0.14
JH5	0.27 +/- 0.13
JH6	0.55 +/- 0.09
JH7	-0.05 +/- 0.10
JH8	-0.03 +/- 0.11
JH9	0.31 +/- 0.13
JH10	0.57 +/- 0.17
JH11	0.10 +/- 0.09
JH12	0.01 +/- 0.15
JH13	0.09 +/- 0.17
JH14	0.04 +/- 0.10
JH15	0.07 +/- 0.21
JH16	0.05 +/- 0.09
JH17	-0.02 +/- 0.19
JH18	0.09 +/- 0.03
JH19	0.17 +/- 0.22
JH20	0.07 +/- 0.13

Table 5. Table of patient data for each center describing patient characteristics and electrode statistics. Some data was not available clinically and is represented by N/A.

Patient ID	Current Age (years)	Onset Age (years)	Sampling Freq (Hz)	Gender	Hand Dominant	Center	Total # Electrodes	# Elec Used (Analysis)	Size of Clinical EZ (# elec)	Strip Electrodes Present? (y/n)	Outcome (S/F)
EZT007	29	7	1000	F	R	CC	120	94	4	n	F
EZT019	61	47	1000	F	R	CC	120	79	4	n	S
EZT090	29	10	1000	M	R	CC	150	111	19	n	S
EZT091	54	16	1000	F	R	CC	90	78	4	n	S
EZT092	17	8	1000	M	R	CC	110	93	6	n	F
EZT120	20	N/A	1000	M	R	CC	70	46	4	n	S
EZT121	29	1	1000	F	R	CC	130	99	6	n	S
EZT127	36	21	1000	M	R	CC	90	67	2	n	S
UMMCM001	23	6	500	M	Right	UMMC	128	88	3	n	F
UMMCM002	17	4	500	M	Right	UMMC	128	49	10	y	S
UMMCM003	31	N/A	250	M	N/A	UMMC	128	45	10	y	S
UMMCM004	38	30	250	M	Right	UMMC	128	46	6	y	S
UMMCM005	47	41	1000	M	N/A	UMMC	128	47	11	y	S
UMMCM006	36	6	250	M	N/A	UMMC	128	52	9	y	S
UMMCM007	54	N/A	1000	M	N/A	UMMC	128	30	17	y	F
pt1	30	13	1000	F	R	NIH	98	86	10	n	S
pt2	28	19	1000	F	R	NIH	86	64	8	n	S
pt3	45	32	1000	M	R	NIH	135	99	12	n	S
pt8	25	13	1000	M	L	NIH	80	59	11	n	S
pt10	44	9	1000	F	R	NIH	89	53	9	n	F
pt12	43	35	1000	F	R	NIH	65	54	6	n	F
pt13	27	9	1000	M	R	NIH	132	119	6	n	S
JH1	N/A	N/A	1000	N/A	N/A	JHU	N/A	N/A	N/A	N/A	F
JH2	N/A	N/A	1000	N/A	N/A	JHU	N/A	N/A	N/A	N/A	F
JH3	N/A	N/A	1000	N/A	N/A	JHU	N/A	N/A	N/A	N/A	S
JH4	N/A	N/A	1000	N/A	N/A	JHU	N/A	N/A	N/A	N/A	F
JH5	N/A	N/A	1000	N/A	N/A	JHU	N/A	N/A	N/A	N/A	S
JH6	37	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	F
JH7	33	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	F
JH8	32	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH9	20	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH10	36	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	S
JH11	23	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	S
JH12	22	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH13	13	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	S
JH14	55	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH15	21	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH16	32	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	F
JH17	22	N/A	1000	M	N/A	JHU	N/A	N/A	N/A	N/A	S
JH18	12	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	F
JH19	33	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	S
JH20	40	N/A	1000	F	N/A	JHU	N/A	N/A	N/A	N/A	S

Table 6. Table of clinical notes for each patient at Cleveland Clinic from their clinical procedures (imaging, resection). Some data was not available clinically and is represented by N/A.

Patient ID	Location of Surgery/Ablation	Imaging	Localization of EEG	Post-op Progress Info (From Clinicians)
EZT007	1) left orbito-frontal lobe, 2) left lateral temporal lobe	N/A	Left frontal lobe and possibly posterior orbitofrontal gyrus and pars orbitalis	Patients still experiences brief auras following surgery, complains of "funny feeling in head" that is followed by unilateral eye blinking. "
EZT019	Right Anterior temporal lobe	MRI	anterior / medial temporal lobe	Patient has not had any seiziures since her surgery and is doing well.
EZT090	Right frontal lobe	MRI	Right frontal lobe (superior /middle frontal gyri)	Patient has experienced one seizure (GTC) since surgery; however it was brief and patient recovered quickly afterwards
EZT091	Left anterior temporal, left amygdala, and left hippocampus	MRI	Left mesial temporal lobe	Seizure free since surgery
EZT092	1) Right lateral temporal lobe, right hippocampus, insula, 2) Right parietal lobe, posterior temporal	MRI	Posterior insula, superior temporal gyrus	Patient had several seizures the week following his first surgery, after second surgery, patient has continued to show no improvement. Mainly experiences auras but with occasional GTC.
EZT120	Left posterior temporal	N/A	Left Posterior parahippocampal gyrus, fusiform gyrus, hippocampal head	Seizure free since surgery
EZT121	Left temporal	MRI	Left mesial temporal lobe	Seizure free since surgery
EZT127	anterior temporal	N/A	Left mesial and anterior temporal	Seizure free since surgery

Table 7. Table of clinical notes for each patient at NIH from their clinical procedures (imaging, resection). Some data was not available clinically and is represented by N/A.

Patient ID	Location of Surgery/Ablation	Imaging	Localization of EEG	Post-op Progress Info (From Clinicians)
pt1	R ATL	MRI	likely dual pathology - R parietal and R mesial temporal	
pt2	L ATL	MRI	L temporal	seizure free
pt3	R frontal topectomy	MRI	R frontal	seizure free
pt8	R posterior temporal topectomy	MRI	R posterior temporal	seizure free
pt10	L ATL	MRI	L temporal; also possible primary generalized seizures	4 GTCs in 1st 6 weeks postop, then seizure free since
pt12	R ATL	MRI	R temporal	seizure free x 2 years, then recurred after AEDs tapered off
pt13	R parietal topectomy	MRI	R parietal	seizure free

Table 8. Table of clinical notes for each patient at UMMC from their clinical procedures (imaging, resection). Some data was not available clinically and is represented by N/A.

Patient ID	Location of Surgery/Ablation	Imaging	Localization of EEG	Post-op Progress Info (From Clinicians)
UMMC001	No resection	MRI, PET	Left temporal	Seizure free
UMMC002	Left temporal; 4.5cm (lateral-inferior)/3.5cm (lateral superior)Hippocampus 2-2.5 cm	MRI, PET	Right temporal	Seizure free
UMMC003	Left temporal; 4.5 cm laterallyHippocampus versus porencephalic cyst; 4.5 cm	MRI, PET	Right temporal	Seizure free
UMMC004	Right temporal; 5 cm laterallyHippocampus (unspecified amount)	MRI, PET	Right temporal	2 auras in 2014
UMMC005	Right temporal; 4.5 cm laterally, 2.5 cm mesially; 3 of hippocampus	MRI, PET	Independent bilateral temporal	(RNS patient)
UMMC006	Right temporal; lateral surface of cortex (4.5 cm from tip); 2.5 cm of hippocampusVein of Labbe 4.5 - 5 cm from tip	MRI, PET	Right temporal	Seizure free
UMMC007	No resection	MRI	Right temporal	Seizure free