

*Supplementary Material for:*

# **Simulated Driving in the Epilepsy Monitoring Unit: Effects of Seizure Type, Consciousness and Motor Impairment**

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**Supplementary Table 1: Patient Clinical and Demographic Information**

Patient Number	Gender	Age at participation (years)	Seizure Type	Seizure Duration(s)	Driving Impaired	Consciousness/Responsiveness Impaired?	Motor Impaired	Epilepsy Diagnosis and Localization	Seizure Frequency
1	Male	40	Focal	10	N	U	N	Focal epilepsy, right temporal-parietal heterotopia	1/mo
"	"	"	"	8	"	"	"	"	"
"	"	"	"	10	"	"	"	"	"
"	"	"	"	20	"	"	"	"	"
"	"	"	"	16	"	"	"	"	"
2	Male	41	Focal to bilateral tonic-clonic	25	Y	Y	Y	Focal epilepsy, unlocalized	multiple Daily
"	"	"	"	30	"	"	"	"	"
3	Female	55	Focal	289	Y	Y	Y	Focal epilepsy, right hemisphere	multiple weekly
4	Male	43	Focal	45	N	N	N	Focal epilepsy, right frontal cavernous angioma	multiple monthly
5	Male	52	Focal	74	Y	Y	N	Focal epilepsy, right fronto-temporal	near daily
6	Male	9	GNM (GSWD)	10	N	N	N	Generalized epilepsy	1/few years
"	"	"	"	7	"	"	"	"	"
"	"	"	"	10	"	U	"	"	"
7	Female	39	Focal	39	N	U	N	Focal epilepsy, multifocal	1-2/week
"	"	"	"	221	Y	Y	N	"	"
"	"	"	"	15	"	"	"	"	"
8	Female	13	GNM (GSWD)	11	Y	U	N	Generalized atypical absence epilepsy	multiple daily
"	"	"	"	11	N	N	N	"	"
"	"	"	"	17	"	"	"	"	"

**Supplementary Table 1: Patient Clinical and Demographic Information (continued)**

Patient Number	Gender	Age at participation (years)	Seizure Type	Seizure Duration(s)	Driving Impaired	Consciousness/Responsiveness Impaired?	Motor Impaired	Epilepsy Diagnosis and Localization	Seizure Frequency
"	"	"	"	29	"	"	"	"	"
9	Male	21	Focal	2	Y	U	Y	Focal epilepsy, unlocalized	1/1-2 mo
10	Male	59	Focal	105	Y	Y	Y	Focal epilepsy, left or right fronto-temporal	4-6/month
11	Male	24	Focal	2	N	U	N	Focal epilepsy, right central	multiple daily
12	Male	29	Focal	15	N	U	N	Focal epilepsy, post traumatic, left hemisphere	multiple monthly
"	"	"	"	13	"	"	"	"	"
13	Male	17	Focal	108	Y	Y	Y	Focal epilepsy, post traumatic, left hemisphere	multiple daily
14	Male	20	Myoclonic	1	Y	U	Y	Generalized, juvenile myoclonic epilepsy	1/few months
15	Female	37	Focal	12	Y	Y	Y	Focal epilepsy, right heterotopia, multifocal	multiple weekly
"	"	"	"	10	"	"	"	"	"
16	Male	26	Focal	65	N	N	N	Focal epilepsy, unlocalized	1/1-2 weeks
17	Female	17	Focal	1377	Y	Y	N	Focal epilepsy, bifrontal	multiple daily
18	Male	19	Focal	49	Y	Y	Y	Focal epilepsy, unlocalized	3/day
19	Male	23	GNM (GSWD)	24	N	U	N	Generalized epilepsy	Multiple daily
"	"	"	"	29	"	N	"	"	"
"	"	"	"	21	"	"	"	"	"
"	"	"	"	22	"	U	"	"	"
"	"	"	"	22	"	"	"	"	"
20	Male	10	Focal	38	Y	Y	Y	Focal epilepsy, left hemisphere cavernous angiomas	daily seizures
21	Female	28	Focal	39	N	N	N	Focal epilepsy, right frontoparietal infarct	1/mo
22	Male	26	Focal	39	N	N	N	Focal epilepsy, left frontal	1-2/mo

**Supplementary Table 1: Patient Clinical and Demographic Information (continued)**

Patient Number	Gender	Age at participation (years)	Seizure Type	Seizure Duration(s)	Driving Impaired	Consciousness/Responsiveness Impaired?	Motor Impaired	Epilepsy Diagnosis and Localization	Seizure Frequency
23	Male	36	Focal	37	N	N	N	Focal epilepsy, unlocalized	4/year
24	Male	25	Focal	-	N	N	N	Focal epilepsy, post-encephalitic, multifocal	N/A
25	Male	41	Focal to bilateral tonic-clonic	484	Y	Y	Y	Focal epilepsy, right fronto-temporal	3-4/week
26	Male	17	GNM (GSWD)	3	N	N	N	Generalized epilepsy	1/2-3 weeks
"	"	"	"	4	"	"	"	"	"
"	"	"	"	3	"	"	"	"	"
"	"	"	"	3	"	"	"	"	"
27	Male	57	Focal to bilateral tonic-clonic	8	Y	Y	Y	Focal epilepsy, frontal, non-lateralized	daily seizures
28	Female	24	GNM (GSWD)	88	N	N	N	Generalized epilepsy	unclear
29	Female	21	GNM (GSWD)	4	N	N	N	Generalized, juvenile absence epilepsy	1/few months
30	Female	16	GNM (GSWD)	23	N	N	N	Generalized, absence epilepsy	unclear

GNM – Generalized Non-Motor

GSWD – Generalized Spike Wave Discharge

N – No

Y – Yes

U - Unknown