

Table 1. Univariate analysis of potential predictors of a $\geq 50\%$, $\geq 75\%$, or 100% (seizure freedom) reduction in seizure frequency per 28 days relative to baseline (Full Analysis Set)

Variable	50% response			75% response			Seizure freedom		
	OR	95% CI	P-value	OR	95% CI	P-value	OR	95% CI	P-value
Sex (M vs F)	0.79	0.27, 2.29	0.661	1.32	0.50, 3.49	0.5706	0.83	0.35, 1.98	0.679
Age (old)	1.03	0.99, 1.07	0.1984	1.02	0.98, 1.05	0.3274	1.04	1.00, 1.07	0.026
Age group (≥ 65 vs <65 yrs)	0.79	0.09, 7.22	0.8327	0.49	0.05, 4.40	0.5217	0.42	0.07, 2.42	0.3306
BMI (kg/m ²)	1.05	0.91, 1.22	0.4979	1.08	0.94, 1.23	0.2787	1.10	0.97, 1.24	0.1386
Epilepsy prevalence period (year)	1.05	0.98, 1.12	0.1959	1.03	0.97, 1.08	0.3843	1.02	0.98, 1.07	0.3174
Baseline frequency (number/28 days) of:									
POS with/without SGS	0.94	0.88, 1.00	0.0443	0.95	0.90, 1.01	0.1249	0.55	0.36, 0.84	0.0058
Simple POS without motor signs	1.04	0.44, 2.44	0.9332	1.20	0.50, 2.85	0.6855	0.98	0.51, 1.90	0.9529
Simple POS with motor signs	1.09	0.78, 1.53	0.5992	1.10	0.81, 1.50	0.5227	0.86	0.58, 1.27	0.4430
Complex POS	0.85	0.72, 1.00	0.0490	0.87	0.74, 1.01	0.0743	0.66	0.47, 0.94	0.0204
SGS	2.39	0.45, 12.61	0.3036	3.81	0.68, 21.40	0.1285	0.90	0.55, 1.45	0.6538
Past history of disease (Y vs N)	1.23	0.39, 3.90	0.7295	0.75	0.28, 2.03	0.5754	1.19	0.48, 2.95	0.7035
Comorbidity (Y vs N)	1.28	0.42, 3.88	0.6584	1.49	0.55, 3.99	0.4327	1.81	0.75, 4.35	0.1851
Previous medication (Y vs N)	2.89	0.85, 9.76	0.0877	1.70	0.63, 4.55	0.2937	1.81	0.76, 4.33	0.1803
Concomitant medication^a (Y vs N)	5.91	1.55, 22.48	0.0091	4.04	1.41, 11.59	0.0094	3.02	1.25, 7.32	0.0143
Total administration period (days)	1.02	1.00, 1.04	0.0577	1.01	1.00, 1.03	0.1609	1.03	0.99, 1.07	0.1084
Total dosage (mg)	1.00	1.00, 1.00	0.0067	1.00	1.00, 1.00	0.0647	1.00	1.00, 1.00	0.1179

Shaded rows show variables that were significantly associated with a $\geq 50\%$, $\geq 75\%$, and/or 100% response

^aIncludes non-antiepileptic medications

BMI, body mass index; CI, confidence interval; F, female; M, male; N, no; OR, odds ratio; POS, partial-onset seizures; SGS, secondarily generalized seizures; Y, yes; yrs, years