

**eTable 3.** CVS predictor analysis

Analysis Type	Predictor	Estimate	Std. Error	t-Statistic	p-Value
Univariate	sex (male vs female)	5,65	5,04	1,12	0,27
	age	-0,65	0,78	-0,83	0,41
	Overall_Lesions	-0,20	0,12	-1,71	0,10
	Lesions_Assessable	-0,24	0,13	-1,84	0,08
	clinic: cerebral	-1,65	6,40	-0,26	0,80
	clinic: cerebral_brainstem	-6,85	7,26	-0,94	0,35
	clinic: ON	1,34	6,72	0,20	0,84
	clinic: RIS	4,26	7,70	0,55	0,59
	mono_poly: poly vs mono	-3,80	4,98	-0,76	0,46
	mono_poly: RIS vs mono	4,78	6,20	0,77	0,45
Demographic	sex (male vs female)	5,67	5,06	1,12	0,27
	age	-0,65	0,77	-0,84	0,41
Lesional	Overall_Lesions	0,31	0,66	0,47	0,65
	Lesions_Assessable	-0,59	0,76	-0,78	0,44
Clinical	clinic: cerebral	-1,34	6,56	-0,20	0,84
	clinic: cerebral_brainstem	-9,66	10,30	-0,94	0,36
	clinic: ON	2,05	7,07	0,29	0,78
	clinic: RIS	4,97	8,04	0,62	0,54
	mono_poly: poly vs mono	3,52	8,98	0,39	0,70
Full Model	sex (male vs female)	1,81	6,54	0,28	0,79
	age	0,08	1,22	0,06	0,95
	Overall_Lesions	0,15	0,90	0,16	0,87
	Lesions_Assessable	-0,36	1,03	-0,35	0,73
	clinic: cerebral	-1,03	7,89	-0,13	0,90
	clinic: cerebral_brainstem	-6,81	12,60	-0,54	0,60
	clinic: ON	2,46	8,10	0,30	0,76
	clinic: RIS	4,60	8,59	0,54	0,60
	mono_poly: poly vs mono	2,36	10,70	0,22	0,83

Table S3. Linear regression analysis of potential CVS predictors

Summary of linear regression analyses assessing potential predictors of CVS positivity. Results are shown for univariate models, grouped multivariate models (demographic, lesional, clinical), and a full model including all variables. No predictors reached statistical significance at  $p < 0.05$ .