

Supplementary Table 1: GEE results for pairwise comparison of OD vs OS at D0 and D30 between the two groups

Parameters	group	D0					D30				
		OD		OS		<i>P</i>	OD		OS		<i>P</i>
		Mean	Std. Error	Mean	Std. Error		Mean	Std. Error	Mean	Std. Error	
NIBUT(s)	Control Group	9.588	1.673	10.897	1.812	0.402	12.460	2.046	9.305	1.880	0.051
	Experimental Group	7.636	1.767	9.445	2.155	0.212	12.287	2.369	11.188	2.328	0.599
FTBUT(s)	Control Group	3.026	0.225	3.073	0.208	0.257	2.880	0.170	2.975	0.207	0.013*
	Experimental Group	2.690	0.186	2.745	0.195	0.254	3.141	0.197	3.668	0.229	0.204
TMH (mm)	Control Group	0.320	0.016	0.290	0.015	0.017*	0.311	0.014	0.300	0.017	0.395
	Experimental Group	0.301	0.012	0.289	0.011	0.247	0.311	0.014	0.304	0.014	0.511
BRs(times/5mins)	Control Group	119.430	16.667	118.530	16.546	0.299	111.630	18.639	109.680	17.998	0.027*
	Experimental Group	113.450	17.171	111.850	17.057	0.040*	136.750	16.518	135.650	16.239	0.363
percentage of IBs	Control Group	0.462	0.044	0.451	0.041	0.723	0.474	0.037	0.514	0.039	0.001*
	Experimental Group	0.531	0.041	0.550	0.038	0.134	0.295	0.040	0.283	0.037	0.205
OPI	Control Group	1.290	0.254	1.234	0.210	0.108	1.033	0.160	1.051	0.168	0.025*
	Experimental Group	0.940	0.146	0.959	0.157	0.266	1.389	0.179	1.626	0.202	0.328

Data are presented as estimated marginal means (Mean) and standard errors (Std. Error).

**P* < 0.05 indicates statistical significance