

Table SI. Sensitivity analyses of between-group differences in MMSE endpoint under alternative models.

Analysis model	Group difference (P-value)	Cohen's d	95% CI
Adjusting for baseline value and age	0.046	0.72	0.12-2.18
No covariates	0.034	-	-
Adjusting for age and sex	0.040	-	-

Cohen's d reported for the primary model only.

Table SII. Exploratory sensitivity analyses and corresponding effect sizes for secondary outcomes at 12 months

Outcome measure	Between-group P (ANCOVA)	Cohen's d	Sensitivity (alt. model) P
HDS-R	0.308	0.38	0.105
FAB	0.634	0.28	0.622
CADi total	0.038	0.75	0.122
CADi time	0.008	1.02	0.016
Apathy	0.008	0.89	0.014
SDS	0.142	0.32	0.211

ANCOVA adjusted for age and baseline score unless otherwise noted. Alternative model adjusted for age and sex. CADi, Cognitive Assessment for Dementia, iPad version; SDS, Self-rating Depression Scale; FAB, Frontal Assessment Battery; HDS-R, Revised Hasegawa's Dementia Scale.

Table SIII. Partial correlation coefficients between cognitive, emotional and bone-related outcomes at 12 months.

Variable 1	Variable 2	Partial r	P-value
MMSE	Apathy	-0.513	0.001
MMSE	SDS	-0.472	0.002
SDS	Apathy	0.769	<0.0001
CADi time	% YAM	-0.283	0.046
CADi total	% YAM	0.369	0.021
SDS	% YAM	-0.439	0.005
Apathy	% YAM	-0.331	0.039
MMSE 'Recall 3 words'	Apathy	-0.499	<0.001
CADi 'Delayed recognition'	Apathy	0.372	0.019

Partial correlations were calculated using data from the 12-month assessment, adjusting for age and baseline scores. The table presents r-values and corresponding P-values for selected outcome variables. All correlations were tested two-tailed, and statistically significant results are shown. MMSE, Mini-Mental State Examination; CADi, Cognitive Assessment for Dementia, iPad version; SDS, Self-rating Depression Scale; %YAM, percentage of the Young Adult Mean.