

Statistical analysis

TABLE S1 : ANOVA 2 variables MELANIN

Groups	TIME		CHANGE baseline-14 d	
	Baseline	14 d	% change	Absolute change
	mean±SD	mean±SD	mean±SD	Adjusted mean value ± Standard error (ANCOVA)
Placebo	147,67±45,59	165,50±49,00*	14,00±20,69	18.04±7.39
OLEA	136,00±43,97	128,17±43,29	-5,82±9,60	-8.04±7.39
p-value	p=0.660	p=0.192	p=0.059	p=0.035
Group-Time	F(2,44)=6,71 , p=0.027		P_{MW}=0.065	

* p<0.05 vs baseline

There is a statistically significant interaction between the factors "group" and "time" F(2,44)=6.71, p=0.027

The Melanin index was statistically significantly higher at 14 days (p=0.029) than baseline for the Placebo group while there is no change for the OLEA group (p=0.229)

There is no statistically significant difference between baseline groups (p=0.660) and 14 days (p=0.192)

There is a statistically significant difference in the absolute change from baseline at 14 days of the baseline adjusted melanin index between groups (p=0.035).

There is a statistically significant difference in percentage change from baseline at 14 days of the Melanin index between the parametric ($p=0.059$ marginal) and non-parametric ($p=0.065$ marginal) groups

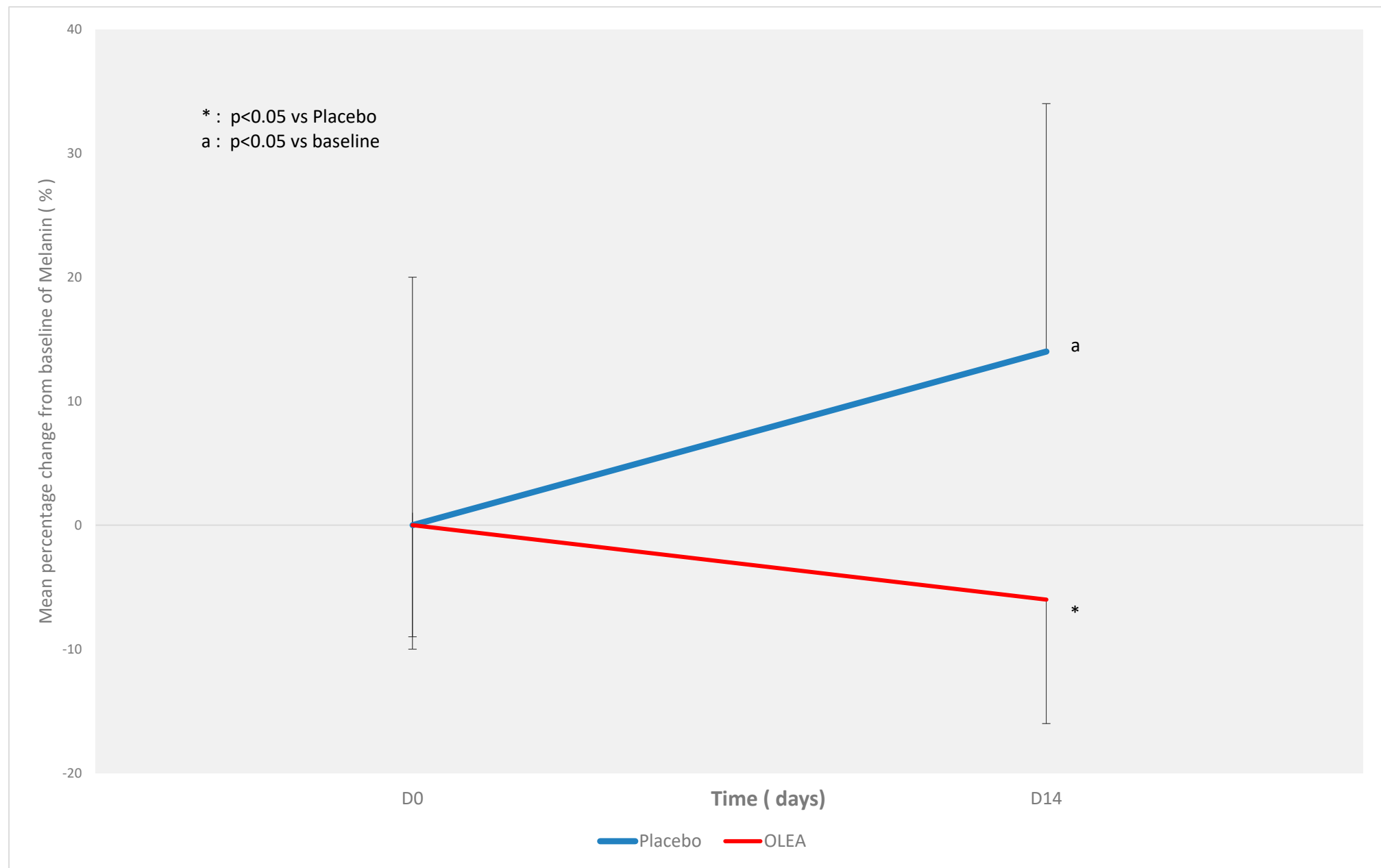


Figure S1

TABLE S2 : ANOVA 2 variables ERYTHEMA

Groups	TIME		CHANGE baseline-14 d	
	Baseline	14 d	% change	Absolute change
	mean±SD	mean±SD	mean±SD	Adjusted mean value ± Standard error (ANCOVA)
Placebo	270.83±37.58	253.83±38.63	-5.54±14.71	-19.78±15.27
OLEA	290.83±27.73	235.50±45.09 **	-19.38±10.21	-52.56±15.27
p-value	p=0.319	p=0.467	p=0.088	p=0.173
Group-time	F(1,10)=3.45 , p=0.093		P _{MW} =0.240	

TA : Τυπική Απόκλιση , ΤΣ : Τυπικό Σφάλμα , PMT : Προσαρμοσμένη μέση τιμή (ANCOVA) , ** p<0.005 vs baseline

There is no statistically significant interaction between "group" and "time" F(1,10)=3.45, p=0.093

The erythema index was statistically significantly lower at 14 days (p=0.004) than baseline for the OLEA group while there is no change for the Placebo group (p=0.271)

There is no statistically significant difference between baseline groups (p=0.319) and 14 days (p=0.467)

There is no statistically significant difference between the absolute change from baseline at 14 days of the baseline adjusted erythema index between groups (p = 0.173)

There is a marginally statistically significant difference in percentage change from baseline at 14 days of the Erythema index between the groups parametrically (p=0.088 marginally) but not non-parametrically (p=0.240)

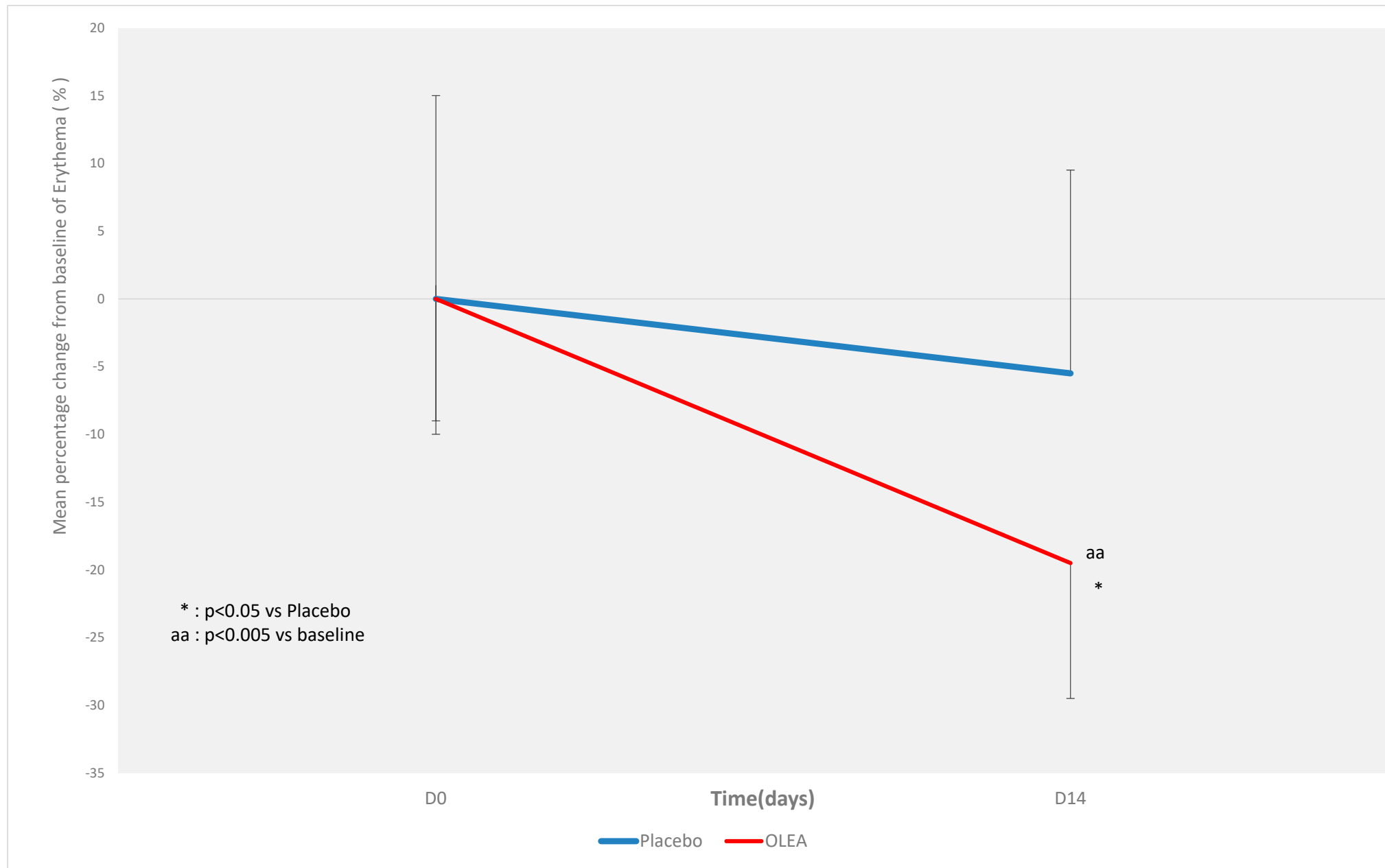


Figure S2

TABLE S3: ANOVA 2 variables CutometerR2

Ομάδες	TIME		CHANGE baseline-14 d	
	Baseline	14 d	% change	Absolute change
	mean±SD	mean±SD	mean±SD	Adjusted mean value ± Standard error (ANCOVA)
Placebo	0.71±0.04	0.62±0.08	-11.44±14.30	-0.11±0.03
OLEA	0.75±0.11	0.82±0.06	10.62±16.59	0.09±0.03
p-value	p=0.369	p<0.005	p=0.033	p<0.005
Group-time	F(1,10)=6.22 , p=0.032		P_{MW}=0.055	

TA : Τυπική Απόκλιση , ΤΣ : Τυπικό Σφάλμα , PMT : Προσαρμοσμένη μέση τιμή (ANCOVA)

There is a statistically significant interaction between the factors "group" and "time" F(1,10)=6.22 , p=0.032

There is no statistically significant change in Cutometer R2 from baseline at 14 days for the Placebo group (p=0.076) and the OLEA group (p=0.152).

There is no statistically significant difference between baseline groups (p=0.369) while there is at 14 days (p<0.005)

There is a statistically significant difference between the absolute change from baseline at 14 days of the Cutometer R2 adjusted for baseline value between groups (p<0.005)

There is a statistically significant difference in percentage change from baseline at 14 days of Cutometer R2 between groups parametrically (p=0.033) and non-parametric (p=0.055 marginally)

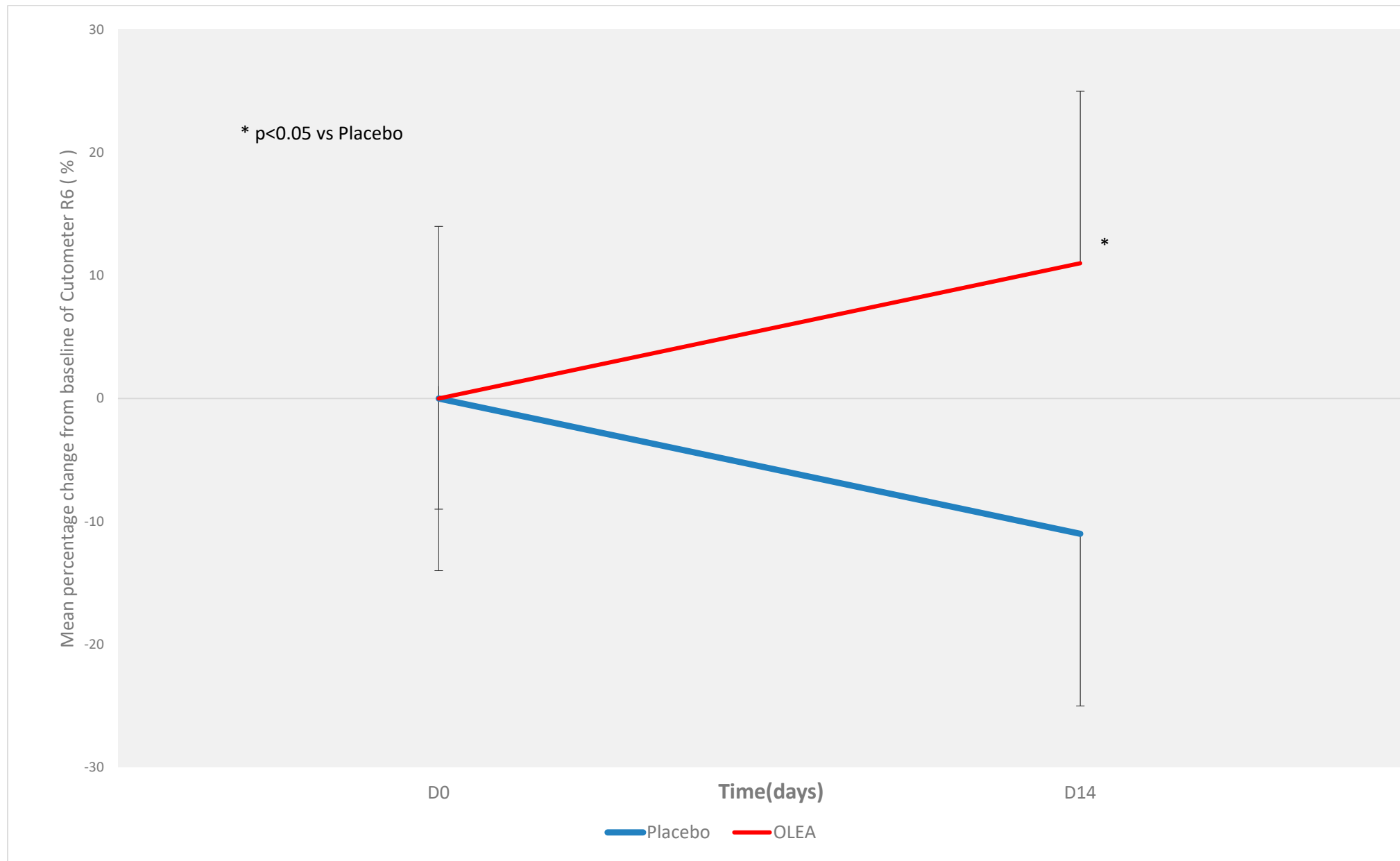


Figure S3