

Supplementary Tables for “Topical Timolol 0.5% Gel-Forming Solution for Erythema in Rosacea: A Quantitative, Split-Face, Randomized, and Rater-Masked Pilot Clinical Trial”

Table S1. Participant demographics and characteristics (n=8)

Participant No.	Age, y	Gender	Fitzpatrick Skin Type	Baseline Clinical Grade	Baseline Colorimeter a* ¹	Baseline CAIA a* ^{1,2}
02	62	Male	1	Mild	22.4	150.5
03	54	Female	2	Mild	18.4	141.0
04	45	Female	1	Mild-Moderate	27.0	154.7
05	28	Female	2	Mild	23.7	138.4
06	50	Female	4	Mild	24.1	152.5
07	54	Female	2	Mild	26.0	155.0
08	63	Male	1	Moderate	29.0	171.8
09	47	Female	3	Mild	19.0	142.8

¹Average of both sides of the face

²CAIA, computer-aided image analysis

Table S2. Results from mixed-effects models: change in facial erythema (a*) at each timepoint relative to baseline across all participants

Colorimeter a*										
Treated Baseline-Week 16						Treated Week 8-Week 16				
<i>Timepoint¹</i>	<i>Change from BL</i>	<i>95 % CI</i>	<i>P value</i>	<i>adjusted P value²</i>	<i>% Change from BL</i>	<i>Change from BL</i>	<i>95 % CI</i>	<i>P value</i>	<i>adjusted P value²</i>	<i>% Change from BL</i>
BL	Ref.					Ref.				
W4	-1.48	-3.37 – 0.42	0.139	0.209	-6.30%	-0.96	-3.21 – 1.29	0.410	0.468	-4.00%
W8	-1.50	-3.61 – 0.62	0.176	0.249	-6.40%	-1.45	-3.96 – 1.05	0.266	0.319	-6.00%
W12	-4.68	-6.80 – -2.57	<0.001	0.001	-20.00%	-3.18	-5.69 – -0.68	0.019	0.057	-13.30%
W16	-2.96	-5.07 – -0.84	0.011	0.043	-12.60%	-2.93	-5.44 – -0.43	0.029	0.060	-12.20%
W20	-1.42	-3.53 – 0.70	0.199	0.251	-6.10%	-1.02	-3.53 – 1.48	0.429	0.468	-4.30%

Computer-aided image analysis (CAIA) a*										
Treated Baseline-Week 16						Treated Week 8-Week 16				
<i>Timepoint¹</i>	<i>Change from BL</i>	<i>95 % CI</i>	<i>P value</i>	<i>adjusted P value²</i>	<i>% Change from BL³</i>	<i>Change from BL</i>	<i>95 % CI</i>	<i>P value</i>	<i>adjusted P value²</i>	<i>% Change from BL³</i>
BL	Ref.					Ref.				
W4	-1.24	-4.48 – 2.00	0.459	0.479	-5.30%	-0.40	-4.03 – 3.23	0.831	0.831	-1.80%
W8	-3.48	-7.10 – 0.13	0.069	0.119	-15.00%	-2.72	-6.77 – 1.32	0.197	0.251	-12.10%
W12	-4.85	-8.47 – -1.24	0.014	0.047	-20.90%	-4.86	-8.90 – -0.82	0.026	0.060	-21.60%
W16	-4.23	-7.84 – -0.61	0.030	0.060	-18.20%	-4.56	-8.61 – -0.52	0.035	0.065	-20.30%
W20	-4.49	-8.10 – -0.87	0.022	0.058	-19.30%	-3.58	-7.62 – 0.47	0.094	0.150	-15.90%

¹BL, baseline; W4, week 4; W8, week 8; W12, week 12; W16, week 16; W20, week 20

²P values adjusted with Benjamini-Hochberg correction for multiple comparisons

³Since positive values of CAIA-measured a* cover both green (0-128) and red (129-255) gradients, percent change in erythema was calculated by subtracting 128 from baseline CAIA-measured a* to isolate the red component, then dividing it from change in CAIA-measured a* at each timepoint.