

Table 1 MASI Scores of the Left and Right Half-Faces Before Treatment and 1 Month After 3 Treatments

	Before Treatment	1 Month After 3 Treatments	Z	P
Left	6.10 (3.65, 7.00)	3.11 (1.60, 5.20)	-5.233	<0.001*
Right	5.87 (4.10, 7.08)	3.57 (2.20, 5.20)	-5.186	<0.001*
Z	-1.066	-2.584		
p	0.286	0.01*		

Table 2 Improvement Rate of MASI Score in the Left and Right Half-Faces

	Improvement Rate	Z	P
Left	0.48 (0.40, 0.59)	-2.604	0.009*
Right	5.87 (4.10, 7.08)		

Table 3 Response Rate of MASI Score in the Left and Right Half-Faces n (%)

	Non-response	Response	P
Left	4 (10.53%)	34 (89.47%)	0.004*
Right	13 (34.21%)	25 (65.79%)	

Table 4 PGA Scores of the Left and Right Half-Faces n (%)

	Cleared	Marked improvement	Moderate improvement	Mild improvement	No improvement	Worsened	Z	P
Left	0 (0.00%)	15 (39.47%)	15 (39.47%)	4 (10.53%)	4 (10.53%)	0 (0.00%)	-4.24	<0.01*
Right	0 (0.00%)	4 (10.53%)	12 (31.58%)	18 (47.37%)	3 (7.89%)	1 (2.63%)		

Table 5 Patient satisfaction survey n (%)

	Very satisfied	Satisfied	Generally satisfied	Dissatisfied	Z	P
Left	8 (21.05%)	24 (63.16%)	5 (13.16%)	1 (2.63%)	-3.873	<0.01*
Right	5 (13.26%)	16 (42.11%)	15 (39.47%)	2 (5.26%)		

Table 6 Data measured by the CBS Skin Analyzer

		Before Treatment	1 Month After 3 Treatments	Z	P
Brown area (mm ²)	Left	907.86 (628.82,1102.37)	662.50 (424.18, 818.73)	-5.373	<0.001*
	Right	1071.78 (676.79,1274.00)	823.66 (523.10, 1003.87)	-5.373	<0.001*
	Z	-1.864	-2.005		
	P	0.062	0.045*		
Deep pigment area (mm ²)	Left	957.44 (620.85, 1618.14)	492.90 (346.93, 935.97)	-5.316	<0.001*
	Right	780.45 (532.49, 1772.30)	491.15 (427.90, 920.82)	-5.171	<0.001*
	Z	-0.925	-0.603		
	P	0.355	0.547		
Superficial pigment area (mm ²)	Left	555.80 (361.43, 758.66)	349.21 (250.85, 396.30)	-5.359	<0.001*
	Right	558.13 (356.63, 716.15)	440.19 (300.82, 556.50)	-4.968	<0.001*
	Z	-0.268	-4.329		
	P	0.778	<0.001*		
Red area (mm ²)	Left	1217.74 (750.94, 1584.33)	599.18 (386.33, 771.78)	-5.373	<0.001*
	Right	1213.05 (667.89, 1648.01)	764.65 (459.53, 897.62)	-5.345	<0.001*
	Z	-0.355	-4.431		
	P	0.722	<0.001*		
Pore count (n)	Left	1732.61 (1446.25, 2099.00)	987.16 (774.00, 1165.25)	-5.373	<0.001*
	Right	1708.66 (1440.50, 2117.50)	1176.37 (890.50, 1522.75)	-5.373	<0.001*
	Z	0.094	-4.880		
	P	0.925	<0.001*		

Table 7 Incidence of Adverse Reactions in the Left and Right Half-Faces n (%)

	Left	Right	P
Erythema	38 (100.00%)	38 (100.00%)	-
Pain	38 (100.00)	38 (100.00%)	-
Dry scaling	4 (10.53%)	2 (5.26%)	0.500
Crusting	4 (10.53%)	0 (0.00%)	0.125

Table 8 Duration of Adverse Reactions in the Left and Right Half-Faces (days)

	Pain duration(d)	Erythema duration(d)
Left	1.00 (1.00, 2.00)	3.00 (2.00, 3.00)
Right	1.00 (1.00, 2.00)	3.00 (2.00, 3.00)
Z	-0.022	-0.780
P	0.983	0.435

Table 9 VAS Pain Scores of the Left and Right Half-Faces n (%)

	0 score	1-3 score	4-6 score	7-10 score	Z	P
Left	0 (0.00%)	22 (57.89%)	16 (42.11%)	0 (0.00%)	-2.828	0.005*
Right	0 (0.00%)	30 (78.95%)	8 (21.05%)	0 (0.00%)		

Table 10 Recurrence Rate Based on MASI Score in the Left and Right Half-Faces n (%)

	Recurrence	No recurrence	P
Left	8 (21.05%)	30 (78.95%)	1.000
Right	7 (18.42%)	29 (81.58%)	