

Table SII. Reflectance confocal microscopy evaluation parameters after ultraviolet B and A (UVB and UVA) exposition compared with unexposed skin and irradiated (irr.) unprotected skin

Parakeratosis				Spongiosis				Sunburn cells				Microvesicles				Disrupted honeycomb				Small bright epidermal cells				Dermal-epidermal junction obscuration				Non-edged dermal papillae				Enlarged dermal papillae				Blood vessel dilatation			
Non-irr. product		n (%)		p		Without product		Non-irr. product		n (%)		p		Without product		Non-irr. product		n (%)		p		Without product		Non-irr. product		n (%)		p		Without product		Non-irr. product		n (%)		p			
SUBMED																																							
0	34 (100)	36 (100)	n.s.	33 (97.1)	33 (91.7)	n.s.	34 (100)	34 (94.4)	n.s.	34 (100)	36 (100)	n.s.	34 (100)	34 (94.4)	n.s.	29 (85.3)	27 (75)	n.s.	34 (100)	35 (97.2)	n.s.	34 (100)	34 (94.4)	n.s.	34 (100)	34 (94.4)	n.s.	34 (100)	32 (88.9)	n.s.	34 (100)	32 (88.9)	n.s.	34 (100)	32 (88.9)	n.s.			
1	0	0		1 (2.9)	1 (8.3)		0	2 (5.6)		0	0		0	2 (5.6)		5 (14.7)	8 (22.2)		0	1 (2.8)		0	2 (5.6)		0	2 (5.6)		0	4 (11.2)		0	4 (11.2)		0	4 (11.2)				
2	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
MED																																							
0	34 (100)	29 (85.3)	0.067	33 (97.1)	2 (5.9)	0.000	34 (100)	21 (61.8)	0.000	34 (100)	34 (100)	n.s.	34 (100)	13 (38.2)	0.000	29 (85.3)	2 (5.9)	0.000	34 (100)	26 (76.5)	0.005	34 (100)	26 (76.5)	0.005	34 (100)	17 (50)	0.000	34 (100)	14 (41.2)	0.000	34 (100)	14 (41.2)	0.000	34 (100)	14 (41.2)	0.000			
1	0	4 (11.8)		1 (2.9)	20 (58.8)		0	12 (35.3)		0	0		0	13 (38.2)		5 (14.7)	21 (61.8)		0	8 (23.5)		0	8 (23.5)		0	17 (50)		0	20 (58.8)		0	20 (58.8)		0	20 (58.8)				
2	0	1 (2.9)		0	12 (35.3)		1 (2.9)	0		0	0		8 (23.5)	0		0	11 (32.4)		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
2 MED																																							
0	34 (100)	24 (68.6)	0.002	33 (97.1)	0	0.000	34 (100)	8 (22.9)	0.000	34 (100)	25 (71.4)	0.010	34 (100)	3 (8.6)	0.000	29 (85.3)	0	0.000	34 (100)	21 (60.0)	0.000	34 (100)	17 (48.6)	0.000	34 (100)	12 (34.3)	0.000	34 (100)	11 (31.4)	0.000	34 (100)	11 (31.4)	0.000	34 (100)	11 (31.4)	0.000			
1	0	10 (28.6)		1 (2.9)	15 (42.9)		0	16 (45.7)		0	6 (17.1)		0	12 (34.3)		5 (14.7)	14 (40.0)		0	14 (40.0)		0	18 (51.4)		0	23 (65.7)		0	24 (68.6)		0	24 (68.6)		0	24 (68.6)				
2	0	1 (2.9)		0	17 (48.6)		0	10 (28.6)		0	3 (8.6)		0	14 (40.0)		0	17 (48.6)		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	3 (8.6)		0	1 (2.9)		0	1 (2.9)		0	6 (17.1)		0	4 (11.4)		6	6		6	6		6	6		6	6		6	6		6	6				
UVA 15 J																																							
0	34 (100)	36 (100)	n.s.	33 (97.1)	31 (86.1)	n.s.	34 (100)	35 (97.2)	n.s.	34 (100)	36 (100)	n.s.	34 (100)	35 (97.2)	n.s.	29 (85.3)	27 (75.0)	n.s.	34 (100)	36 (100)	n.s.	34 (100)	36 (100)	n.s.	34 (100)	33 (91.7)	n.s.	34 (100)	32 (88.9)	n.s.	34 (100)	32 (88.9)	n.s.	34 (100)	32 (88.9)	n.s.			
1	0	0		1 (2.9)	5 (13.9)		0	1 (2.8)		0	0		0	1 (2.8)		5 (14.7)	9 (25.0)		0	0		0	0		0	3 (8.3)		0	4 (11.1)		0	4 (11.1)		0	4 (11.1)				
2	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
UVA 20 J																																							
0	34 (100)	28 (93.3)	n.s.	33 (97.1)	28 (93.3)	n.s.	34 (100)	29 (96.7)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	30 (100)	n.s.	29 (85.3)	24 (80.0)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	29 (96.7)	n.s.	34 (100)	28 (93.3)	n.s.	34 (100)	28 (93.3)	n.s.	34 (100)	28 (93.3)	n.s.			
1	0	2 (6.7)		1 (2.9)	2 (6.7)		0	1 (3.3)		0	0		0	0		5 (14.7)	6 (20.0)		0	0		0	0		0	1 (3.3)		0	2 (6.7)		0	2 (6.7)		0	2 (6.7)				
2	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
UVA 25 J																																							
0	34 (100)	30 (100)	n.s.	33 (97.1)	26 (86.7)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	29 (96.7)	n.s.	29 (85.3)	20 (66.7)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	30 (100)	n.s.	34 (100)	29 (96.7)	n.s.	34 (100)	29 (96.7)	n.s.	34 (100)	29 (96.7)	n.s.	34 (100)	29 (96.7)	n.s.			
1	0	0		1 (2.9)	4 (13.3)		0	0		0	0		0	1 (3.3)		5 (14.7)	10 (33.3)		0	0		0	0		0	1 (3.3)		0	1 (3.3)		0	1 (3.3)		0	1 (3.3)				
2	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				
3	0	0		0	0		0	0		0	0		0	0		0	0		6	6		6	6		6	6		6	6		6	6		6	6				

n.s.: not significant ; SUBMED: suberythematous level; MED: minimal erythema dose.