

Supplementary Table 1. AK lesion location by sex and region in AK patients

Lesion location, n (%)	North (n=222)			Centre (n=211)			Mediterranean (n=507)			South (n=170)		
	Male	Female	P-value	Male	Female	P-value	Male	Female	P-value	Male	Female	P-value
Face	93 (71.0)	84 (92.3)	<0.001	79 (68.4)	89 (95.7)	<0.001	220 (69.4)	162 (85.3)	<0.001	68 (71.6)	63 (84.0)	<0.001
Forehead	65 (69.9)	35 (41.7)	<0.001	54 (68.4)	51 (57.3)	0.14	151 (68.6)	73 (45.1)	<0.001	49 (72.1)	36 (57.1)	0.074
Nose	25 (26.9)	41 (48.8)	0.003	32 (40.5)	42 (47.2)	0.384	79 (35.9)	77 (47.5)	0.022	28 (41.2)	33 (52.4)	0.199
Cheeks	53 (57.0)	49 (58.3)	0.857	37 (46.8)	43 (48.3)	0.848	113 (51.4)	79 (48.8)	0.616	22 (32.4)	37 (58.7)	0.002
Scalp	70 (53.4)	0 (0.0)	<0.001	53 (44.9)	4 (4.3)	<0.001	173 (54.6)	3 (1.6)	<0.001	47 (49.5)	5 (6.7)	<0.001
Ears	24 (18.3)	3 (3.3)	0.001	13 (11.0)	1 (1.1)	0.004	64 (20.2)	5 (2.6)	<0.001	11 (11.6)	2 (2.7)	0.030
Lips	1 (0.8)	0 (0.0)	0.404	8 (6.8)	2 (2.2)	0.116	11 (3.5)	9 (4.7)	0.478	4 (4.2)	1 (1.3)	0.270
Back of hand	17 (13.0)	13 (14.3)	0.779	6 (5.1)	6 (6.5)	0.670	27 (8.5)	17 (8.9)	0.868	16 (16.8)	16 (21.3)	0.457
Back of forearm	7 (5.3)	8 (8.8)	0.314	3 (2.5)	1 (1.1)	0.438	17 (5.4)	12 (6.3)	0.655	3 (3.2)	3 (4.0)	0.768
Neckline	3 (2.3)	4 (4.4)	0.377	3 (2.5)	6 (6.5)	0.168	3 (0.9)	11 (5.8)	0.001	3 (3.2)	3 (4.0)	0.768
Other*	2 (1.5)	6 (6.6)	0.046	3 (2.5)	4 (4.3)	0.479	5 (1.6)	14 (7.4)	0.001	1 (1.1)	5 (6.7)	0.049

*Includes upper eyelid, inner edge of the eye, upper lip, submental region, neck, shoulder, back, vertebral area, thigh, lower leg, ankle. Chi-squared test used to calculate P-values.

Supplementary Table 2. Number of lesions per anatomical location in AK patients

	North (n=222)	Centre (n=211)	Mediterranean (n=507)	South (n=170)	P-value
Number of lesions, mean (SD)					
Forehead	3.5 (2.5)	3.3 (2.8)	3.0 (3.3)	2.5 (1.7)	0.012
Nose	1.5 (0.9)	2.1 (1.6)	1.6 (1.0)	1.7 (1.0)	0.122
Cheeks	2.5 (1.9)	2.6 (2.1)	2.3 (1.5)	2.5 (1.6)	0.908
Scalp	6.1 (4.7)	6.9 (6.5)	6.4 (5.4)	5.8 (4.7)	0.931
Ears	1.9 (1.5)	1.6 (1.1)	2.1 (1.3)	1.5 (0.9)	0.303
Lips	1.0 (-)	1.3 (0.7)	1.2 (-)	1.2 (-)	0.950
Back of hand	3.0 (2.4)	2.2 (1.5)	2.5 (2.1)	3.6 (2.7)	0.135
Back of forearm	2.7 (1.8)	1.0 (0.0)	2.7 (3.0)	4.2 (5.7)	0.260
Neckline	2.4 (2.0)	2.2 (1.2)	2.6 (2.4)	2.3 (1.5)	0.991
Other*	1.8 (1.6)	1.1 (0.4)	2.6 (3.6)	1.7 (1.6)	0.389

ANOVA used to calculate P-values