

**Table S1. Definition of dermatoscopic terms and criteria<sup>4, 19</sup>**

<b>Vasculature*</b>	The presence of vascular features
None / Apparent <50% / Prominent ≥50%  (lesion's total surface)	
<b>Vessels</b>	Pink to Red Vascular structures
Arborizing	In-focused, bright red, tree-branched vessels
Telangiectasias	Short, fine linear vessels with very few  branches
Glomerular	Tortuous vessels
Linear	Serpentine vessels irregular in shape and  width
Dotted	Vessels as dots arranged fairly closely
Hairpin	Looped vessels
Polymorphous	A combination of ≥2 different types of  vessels
<b>Erosions / Ulcerations*</b>	Loss of the epidermis presented as orange  to black crusts
None / Erosions / Prominent <90% / >90%  (lesion's total surface)	
<b>Pigmentation*</b>	The presence of pigmented structures

None / Light <10% / Partial 10-50% / Heavy >50% (lesion's total surface)	
Blue-gray ovoid nests/globules	Ovoid, well-circumscribed, plump blue-gray globular structures
Blue-gray dots	Pin-point closely arranged blue-gray dots
Spoke-wheel structures	Well-circumscribed radial projections meeting at a darker globular center (light to dark brown/black/blue-gray)
Leaf-like structures	Peripheral light brown to bluish bulbous projections resembling maple leaf

**Table S2. Solitary and multiple BCC tumors characteristics, n=304**

	<b>Total (n=304)</b>	<b>Solitary (n=172)</b>	<b>Multiple (n=132)</b>
<b>Number of patients, <i>n</i>=225 (%)</b>	225 (100)	172 (76.4)	53 (23.6)
<b>Number of BCC, n(%)</b>	304 (100)	172 (56.6)	132 (43.4)
<i>Number of tumors per individual, n=53(%)</i>			
2			38 (71.7)
3			9 (17.1)
4			3 (5.6)
≥5			3 (5.6)
<b>Anatomic location, n(%)</b>			
Head/neck	223 (73.4)	128 (74.6)	95 (72)
Trunk	58 (19.1)	33 (19.2)	25 (18.9)
Extremities	23 (7.5)	11 (6.4)	12 (9.1)
<b>Diameter, median (range) cm</b>	0.9 (0.2 – 12.3)	0.95 (0.3-12.3)	0.85 (0.2-7.2)
<b>Risk for local recurrence &amp; metastasis, n(%)</b>			
Low-risk	92 (30.3)	46 (26.7)	46 (34.8)
High-risk	212 (69.7)	126 (73.3)	86 (65.2)
<b>Histopathology</b>			

<b>Indolent growth pattern, n(%)</b>	224 (73.7)	122 (70.9)	102 (77.3)
Nodular	175 (78.1)	96 (78.7)	79 (77.4)
Superficial	49 (21.9)	26 (21.3)	23 (22.6)
<b>Aggressive growth pattern, n(%)</b>	80 (26.3)	50 (29.1)	30 (22.7)
Infiltrative	42 (13.8)	25 (14.5)	17 (12.9)
Morpheiform	1 (0.3)	1 (0.6)	0
Basosquamous	14 (4.6)	10 (5.8)	4 (3)
Micro-nodular	2 (0.7)	0	2 (1.5)
Mixed	21 (6.9)	14 (8.1)	7 (5.3)

**Table S3. Univariate logistic regression for the clinical features of high-risk Vs. low-risk BCCs**

	<b>p-value</b>	<b>OR</b>	<b>95% CIs</b>
<b>Margins</b>	<0.001	3.514	1.867-6.615
<b>Ulceration</b>			
Erosions Vs none	0.33		
Prominent Vs none	<0.001	3.782	2.039-7.015
>90% vs none	<0.001	14.184	3.237-62.153
<b>Pink color</b>	0.417		
<b>Clinical Presentation</b>			
Elevated vs flat	0.001	4.5	1.92-10.546
Nodular vs flat	<0.001	5.708	2.633-12.375
<b>White color</b>	<0.001	3.067	1.809-5.202
<b>Blue-black color</b>	0.001	0.433	0.262-0.715
<b>Pigmentation</b>			
Light Vs none	0.006	0.38	0.192-0.752
Partial vs none	0.032	0.443	0.211-0.933
Heavy vs none	0.31		

**Table S4. Multivariate logistic regression analysis for the clinical features of high-risk Vs. low-risk BCCs**

	<b>p-value</b>	<b>OR</b>	<b>95% CIs</b>
<b>Margins</b>	0.067	2.007	0.952-4.23
<b>Ulceration</b>			
Erosions Vs none	0.354		
Prominent Vs none	0.011	2.533	1.243-5.162
>90% vs none	0.008	9.241	1.79-47.711
<b>Clinical Presentation</b>			
Elevated vs flat	0.083	2.384	0.892-6.376
Nodular vs flat	0.004	3.674	1.502-8.988
<b>White color</b>	<0.001	3.682	1.988-6.819
<b>Blue-black color</b>	0.071	0.193	0.032-1.153
<b>Pigmentation</b>			
Light Vs none	0.504		
Partial vs none	0.657		
Heavy vs none	0.088	5.611	0.771-40.82

For the final model a fitness of good control was performed based on Hosmer-Lemeshow criterion (p-value=0.547)

**Table S5. Univariate logistic regression analysis for the dermoscopic features of high-risk Vs. low-risk BCCs**

	<b>p-value</b>	<b>OR</b>	<b>95% CIs</b>
<b>Vasculature</b>	0.394		
<b>Vessels</b>			
Arborizing	0.002	2.52	1.394-4.555
Telangiectasias	0.005	0.464	0.273-0.789
Glomerular	0.008	4.24	1.446-12.449
Linear irregular	0.115		
Dotted	N/A		
Hairpin	N/A		
Polymorphous	N/A		
<b>Pigmented structures</b>			
Blue-gray ovoid globules	0.056	0.618	0.377-1.013
Multiple Dots	0.001	0.401	0.239-0.675

Spoke-Wheel	0.001	0.228	0.096-0.542
Leaf-like	<0.001	0.204	0.09-0.461
Concentric	0.007	0.239	0.084-0.678
<b>Pigmentation intensity</b>			
Light	<0.001	0.301	0.162-0.561
Partial	0.002	0.301	0.143-0.635
Heavy	0.032	0.437	0.205-0.93
<b>Pink-whitish background</b>	0.054	0.575	0.327-1.011
<b>Diffuse white color</b>	0.096	5.816	0.731-46.252
<b>White shiny lines</b>	0.002	2.304	1.352-3.925
<b>Multiple yellow-white globules</b>	0.193		
<b>White circles &amp; Yellow Clods</b>	0.038	3.199	1.065-9.605
<b>Ulceration</b>			
Erosions vs none	0.8		
Prominent vs none	<0.001	3.055	1.635-5.707
>90% vs. none	0.001	12.33	2.759-55.104

**Table S6. Multivariate logistic regression for the dermoscopic features of high-risk Vs. low-risk BCCs**

	p-value	OR	95% CIs
<b>Vessels</b>			
Glomerular	0.044	3.314	1.033-10.626
Linear irregular	0.195		
<b>Pigmentation intensity</b>			
Light	<0.001	0.269	0.13-0.558
Partial	0.001	0.198	0.078-0.5
Heavy	0.037	0.313	0.105-0.934
<b>Pink-whitish background</b>	0.021	0.369	0.158-0.862
<b>Diffuse white color</b>	0.128		
<b>White shiny lines</b>	0.025	2.087	1.097-3.971
<b>White circles &amp; Yellow Clods</b>	0.154		
<b>Ulceration</b>			
Erosions vs none	0.944		
Prominent vs none	0.014	2.451	1.198-5.014
>90% vs. none	0.01	8.042	1.637-39.505

**Table S7. Dermatoscopic findings in solitary and multiple BCC**

	<b>Total (n=304)</b>	<b>Solitary (n=172)</b>	<b>Multiple (n=132)</b>
<b>Vasculature, n (%)</b>			
None	32 (10.6)	21 (12.2)	11 (8.3)
Apparent	219 (72)	110 (64)	109 (82.6)
Prominent	53 (17.4)	41 (23.8)	12 (9.1)
<b>Vessels, n (%)</b>			
Arborizing	247 (81.3)	138 (80.2)	109 (82.6)
Telangiectasias	82 (27)	49 (28.5)	33 (25)
Glomerular	34 (11.2)	18 (10.4)	16 (12.1)
Linear irregular	14 (4.6)	7 (4.1)	7 (5.3)
Dotted	1 (0.3)	1 (0.6)	0
Hairpin	3 (1)	3 (1.7)	0
Polymorphous	14 (4.6)	10 (5.8)	4 (3)
<b>Pigmented structures, n (%)</b>			
Blue-gray ovoid globules	127 (41.8)	72 (41.9)	55 (41.7)
Multiple Dots	90 (29.6)	50 (29.1)	40 (30.3)
Spoke-Wheel	24 (7.9)	12 (7)	12 (9.1)
Leaf-like	28 (9.2)	16 (9.3)	12 (9.1)
Concentric	16 (5.3)	12 (7)	4 (3)
<b>Pigmentation intensity, n (%)</b>			
None	141 (46.4)	82 (47.7)	59 (44.7)
Light	77 (25.3)	41 (23.8)	36 (27.3)
Partial	42 (13.8)	26 (15.1)	16 (12.1)
Heavy	44 (14.5)	23 (13.4)	21 (15.9)
<b>Pink-whitish background, n (%)</b>	211 (69.4)	120 (69.8)	91 (68.9)
<b>Diffuse white color, n (%)</b>	11 (3.6)	7 (4.1)	4 (3)
<b>White shiny lines, n (%)</b>	123 (40.5)	89 (51.7)	34 (25.8)
<b>Multiple yellow- white globules, n (%)</b>	34 (11.2)	28 (16.3)	6 (4.6)
<b>White circles &amp; Yellow Clods, n(%)</b>	62 (20.4)	42 (24.4)	19 (14.4)
<b>Ulceration, n (%)</b>			
None	79 (26)	40 (23.2)	39 (29.6)

Erosions	71 (23.3)	40 (23.3)	31 (23.5)
Prominent	121 (39.8)	69 (40.1)	52 (39.4)
>90%	33 (10.9)	23 (13.4)	10 (7.5)

**Table S8. Dermatoscopic features in histologically aggressive subtypes of BCC (n=80)**

	<b>Aggressive histologic subtypes of BCC (n=80)</b>	<b>High-Risk (n=212)</b>
<b>Vasculature, n (%)</b>		
None	9 (11.3)	19 (9)
Apparent (<50%)	60 (75)	156 (73.6)
Prominent (≥50%)	11 (13.7)	37 (17.4)
<b>Vessels, n (%)</b>		
Arborizing	69 (86.3)	182 (85.9)
Telangiectasias	23 (28.7)	47 (22.2)
Glomerular	15 (18.7)	30 (14.2)
Linear irregular	8 (10)	12 (5.7)
Dotted	1 (1.3)	1 (0.5)
Hairpin	1 (1.3)	3 (1.4)
Polymorphous	9 (11.3)	14 (6.6)
<b>Pigmented structures, n (%)</b>		
Blue-gray ovoid globules	23 (28.8)	81 (38.2)
Multiple Dots	15 (18.8)	50 (23.6)
Spoke-Wheel	0	9 (4.2)
Leaf-like	0	10 (4.7)
Concentric	0	6 (2.8)
<b>Pigmentation intensity, n (%)</b>		
None	49 (61.3)	115 (54.3)
Light (<10%)	18 (22.5)	44 (20.8)
Partial (10%-50%)	5 (6.25)	24 (11.3)
Heavy (>50%)	8 (10)	29 (13.7)
<b>Pink-whitish background, n (%)</b>	50 (62.5)	140 (66)
<b>Diffuse white color, n (%)</b>	8 (10)	10 (4.7)



<b>White shiny lines, n (%)</b>	45 (56.3)	98 (46.2)
<b>Multiple yellow-white globules, n (%)</b>	11 (13.8)	27 (12.7)
<b>White circles &amp; Yellow Clods, n(%)</b>	24 (30)	55 (25.9)
<b>Ulceration, n (%)</b>		
None	10 (12.5)	44 (20.8)
Erosions	12 (15)	41 (19.3)
Prominent	37 (46.3)	96 (45.3)
>90%	21 (26.2)	31 (14.6)

**Table S9. Aggressive histologic subtypes of BCC, n=80 (%)**

<b>Infiltrative</b>	<b>Morpheaform</b>	<b>Basosquamous</b>	<b>Micro-nodular</b>	<b>Mixed</b>
42 (52.5%)	1 (1.3%)	14 (17.5)	2 (2.5%)	21 (26.3%)