Table SI. Pairwise comparisons of tumor Breslow thickness categories (sex- and age-matched dataset, n=278).

| | | Patients with metastases | | | | | | | |
| | | ≤1.0 | | 1.0-2.0 | | 2.0-4.0 | | >4.0 | |
	Breslow thickness, mm	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]
Patients without metastases	≤1.0			0.47 (0.26-0.89)	0.0217	1.12 (0.66-1.92)	0.684	1.39 (0.84-2.29)	0.206
	1.0-2.0					2.34 (1.25-4.38)	0.009	2.90 (1.60-5.26)	<0.001
	2.0-4.0							1.24 (0.75-2.05)	0.440
	>4.0								

[a]P-values were obtained by Fisher's exact test. OR, odds ratio; CI, confidence interval.

Table SII. Univariate analysis of risk factors for melanoma metastases. Individuals with metastases (n=309) were matched only by the year of initial diagnosis and follow-up time.

Risk factor	Patients with metastases		Patients without metastases		OR (95% CI)	P-value[a]
	N	%	N	%		
Sex						
Female	175	56.6	206	66.7	1.53 (1.10-2.12)	0.013
Male	134	43.4	103	33.3		
Total[e]	309	100.0	309	100.0		
Age, years						
Mean ± SD	61.5±14.7		61.4±15.5			0.907[b]
Median	63.3		62.8			
≤40	30	9.8	37	12.1		0.541
41-60	101	33.0	102	33.3		
61-80	154	50.3	140	45.8		
>80	21	6.9	27	8.8		
Total[e]	306	100.0	306	100.0		
Tumor localization						
Head and neck	31	10.4	45	15.1		0.034
Limbs	117	39.1	129	43.1		
Trunk	127	42.5	114	38.1		
Hands and feet[d]	24	8.0	11	3.7		
Total[e]	299	100.0	299	100.0		
CM subtype						
Superficial spreading melanoma	18	19.8	15	16.5		0.265[c]
Nodular melanoma	73	80.2	73	80.2		
Lentigo maligna melanoma	0	0.0	3	3.3		
Total[e]	91	100.0	91	100.0		
Breslow thickness, mm						
Mean ± SD	5.28±6.1		3.74±4.5			<0.001[b]
Median	4.0		2.0			
≤1.0	51	22.5	66	29.1		0.001
1.0-2.0	27	11.9	49	21.6		
2.0-4.0	55	24.2	51	22.4		
>4.0	94	41.4	61	26.9		
Total[e]	227	100.0	227	100.0		
Ulceration						
Absent	65	38.7	73	43.5	1.22 (0.79-1.88)	0.438
Present	103	61.3	95	56.5		
Total[e]	168	100.0	168	100.0		
Pigment						
Present	211	87.2	213	88.0	1.08 (0.63-1.85)	0.890
Absent	31	12.8	29	12.0		
Total[e]	242	100.0	242	100.0		
Predominant cell type in the lesion						
Epithelial	132	67.4	125	63.8		0.293
Spindle	24	12.2	35	17.8		
Mixed	40	20.4	36	18.4		
Total[e]	196	100.0	196	100.0		
BMI						
Mean ± SD	28.8±5.4		29.0±6.2			0.939[b]
Median	27.9		27.9			
18.61-25.00	40	24.0	46	27.6		0.706
25.01-30.00	68	40.7	62	37.1		
>30.01	59	35.3	59	35.3		
Total[e]	167	100.0	167	100.0		

[a]P-values were obtained by the χ^2 test unless indicated otherwise. [b]Mann-Whitney test. [c]Fisher's exact test. [d]Acral lentiginous melanomas were excluded before analyses. [e]The number of matched cases in each group; if there was missing information for an individual in one of the groups, the corresponding case-control pair was excluded from the analysis. OR and 95% CI are presented for predictors with two categories. OR, odds ratio; CI, confidence interval.

Table SIII. Differences between melanoma risk factors for female and male patients (sex- and age-matched dataset, n=278).

	With metastases						Without metastases					
	Female		Male				Female		Male			
Risk factor	N	%	N	%	OR (95% CI)	P-value[a]	N	%	N	%	OR (95% CI)	P-value[a]
Tumor localization												
Head and neck	15	9.1	13	11.4		0.010	25	15.3	16	14.0		0.003
Limbs	80	48.8	33	29.0			75	45.7	29	25.5		
Trunk	58	35.4	59	51.7			55	33.5	60	52.6		
Hands and feet[d]	11	6.7	9	7.9			9	5.5	9	7.9		
Total[e]	164	100.0	114	100.0			164	100.0	114	100.0		
CM subtype												
Superficial spreading melanoma	10	21.7	5	19.2		1.000[c]	5	10.9	3	11.5		0.462[c]
Nodular melanoma melanoma	35	76.1	20	76.9			37	80.4	23	88.5		
Lentigo maligna	1	2.2	1	3.9			4	8.7	0	0.0		
Total[e]	46	100.0	26	100.0			46	100.0	26	100.0		
Breslow thickness, mm												
Mean ± SD	5.52±6.53		4.52±4.77			0.214[b]	4.13±5.49		4.24±4.05			0.182[b]
Median	4.0		3.0				2.0		3.0			
≤1.0	32	24.8	22	25.6		0.257	32	24.8	23	26.7		0.359
1.0-2.0	11	8.5	12	13.9			34	26.4	15	17.5		
2.0-4.0	30	23.3	25	29.1			26	20.1	24	27.9		
>4.0	56	43.4	27	31.4			37	28.7	24	27.9		
Total[e]	129	100.0	86	100.0			129	100.0	86	100.0		
Ulceration												
Absent	31	32.0	30	46.9	Reference 0.53 (0.28-1.02)		47	48.5	34	53.1	Reference 0.83 (0.44-1.56)	
Present	66	68.0	34	53.1		0.081	50	51.5	30	46.9		0.675
Total[e]	97	100.0	64	100.0			100.0	64	100.0	97		
Pigment												
Present	112	85.5	83	90.2	Reference 0.64 (0.28-1.48)		125	95.4	84	91.3	Reference 1.98 (0.66-5.93)	
Absent	19	14.5	9	9.8		0.314[c]	6	4.6	8	8.7		0.265[c]
Total[e]	131	100.0	92	100.0			131	100.0	92	100.0		
Predominant cell type in the lesion												
Epithelial	64	62.7	57	74.0		0.175	66	64.7	52	67.5		0.897
Spindle	12	11.8	9	11.7			19	18.6	14	18.2		
Mixed	26	25.5	11	14.3			17	16.7	11	14.3		
Total[e]	102	100.0	77	100.0			102	100.0	77	100.0		
BMI												
Mean ± SD	29.1±6.0		27.9±4.65			0.303[b]	28.3±6.39		28.4±4.93			0.580[b]
Median	28.0		26.8				27.5		27.9			
18.01-25.00	25	28.1	15	25.4		0.160	31	34.8	13	22.0		0.174
25.01-30.00	29	32.6	28	47.5			28	31.5	26	44.1		
>30.01	35	39.3	16	27.1			30	33.7	20	33.9		
Total[e]	89	100.0	59	100.0			89	100.0	59	100.0		

[a]P-values were obtained by the χ^2 test unless indicated otherwise. [b]Mann-Whitney test. [c]Fisher's exact test. [d]Acral lentiginous melanomas were excluded before analyses. [e]The number of matched cases in each group; if there was missing information for an individual in one of the groups, the corresponding case-control pair was excluded from the analysis. OR and 95% CI are presented for predictors with two categories. If a predictor had more than two categories, overall significance of a predictor was evaluated first. If the obtained P-value was significant (e.g., tumor localization), pairwise comparisons were performed, and odds ratios were calculated for combinations of two categories (Table II). OR, odds ratio; CI, confidence interval.

Table SIV. Comparisons of the frequencies of tumor localizations for female and male patients without metastases (sex- and age-matched dataset, n=278).

| | | Females without metastases | | | | | | |
| | | Limbs | | Hands and feet[b] | | Trunk | | Head and neck | |
	Tumor localisation	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a] (95% CI)	OR (95% CI)	P-value[a]	OR	P-value[a]
Males without metastases	Limbs			2.59	0.095 (0.93-7.16)	2.82 (1.61-4.96)	<0.001	1.66 (0.77-3.54)	0.232
	Hands and feet[b]					1.09 (0.40-2.95)	1.000	0.64 (0.21-1.96)	0.569
	Trunk							0.70 (0.82-3.52)	0.202
	Head and neck								

[a]P-values were obtained by Fisher's exact test. [b]Acral lentiginous melanomas were excluded before analyses. OR, odds ratio; CI, confidence interval.

Table SV. Comparisons of the frequencies of tumor localizations for female and male patients with metastases (sex- and age-matched dataset, n=278).

| | Tumor localisation | Females with metastases | | | | | | | |
| | | Limbs | | Hands and feet[b] | | Trunk | | Head and neck | |
		OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]	OR (95% CI)	P-value[a]
Males with metastases	Limbs								
	Hands and feet[b]	1.98 (0.75-5.23)	0.194						
	Trunk	2.47 (1.43-4.25)	0.001	1.24 (0.48-3.22)	0.81				
	Head and neck	2.1 (0.90-4.90)	0.114	1.06 (0.34-3.35)	1.000	1.17 (0.51-2.68)	0.834		

[a]P-values were obtained by Fisher's exact test. [b]Acral lentiginous melanomas were excluded before analyses. OR, odds ratio; CI, confidence interval.