Supplementary Table S1. Concordance among capillaroscopists as requirement for consensus becomes more stringent.

Capillary type according to capillaroscopists agreeing in their assessment	Number of capillaroscopists	
	≥3	≥4
Normal	397	264 (66.5%)
Dilated	275	119 (43.3%)
Microhemorrhage	76	73 (96.1%)
Giant	119	92 (77.3%)
Abnormal	29	12 (41.4%)
Tortuous	116	45 (38.8%)
N.C.	152	n.a.

The number of annotations that were achieved consensually by ≥3 or ≥4 capillaroscopists, is indicated. The percentage of consensus annotations achieved by ≥4 interobservers with respect to the total amount of consensus annotations achieved by ≥3 interobservers, is indicated.
n.a.: not applicable; N.C.: no consensus among capillaroscopists reached.

Supplementary Table S2. Matches and mismatches for each capillary type between the algorithm and the expert consensus panel when ≥3 capillaroscopists agreed in their judgment.

Capillary type according to software	Capillary type according to ≥3 capillaroscopists						
	Normal	Dilated	Haemorrhagic	Giant	Abnormal	Tortuous	Overall
Normal	**279**	15	0	1	0	6	301
Dilated	82	**207**	0	7	0	12	308
Microhaemorrhage	0	1	**69**	0	0	0	70
Giant	0	20	2	**106**	2	1	131
Abnormal	0	0	0	0	**13**	0	13
Tortuous	25	26	0	1	10	**93**	155
Missed*	11	6	5	4	4	4	34
Overall	397	275	76	119	29	116	1012

The number of annotations for each category that were achieved consensually by ≥3 capillaroscopists or by the algorithm is indicated on the X-axis and Y-axis, respectively. Matches between both assessment methods are written in bold.
*Capillaries could not be classified within any category according to the algorithm.

Supplementary Table S3. Matches and mismatches for each capillary type between the algorithm and the expert consensus panel when ≥4 capillaroscopists agreed in their judgment.

Capillary type according to software	Capillary type according to ≥4 capillaroscopists						
	Normal	Dilated	Haemorrhagic	Giant	Abnormal	Tortuous	Overall
Normal	**221**	6	0	0	0	0	227
Dilated	27	**100**	0	0	0	3	130
Microhaemorrhage	0	1	**68**	0	0	0	69
Giant	0	7	1	**89**	0	0	97
Abnormal	0	0	0	0	**7**	0	7
Tortuous	6	2	0	0	2	**42**	52
Missed*	10	3	4	3	3	0	423
Overall	264	119	73	92	12	45	605

The number of annotations for each category that were achieved consensually by ≥4 capillaroscopists or by the algorithm is indicated on the X-axis and Y-axis, respectively. Matches between both assessment methods are written in bold. *Capillaries could not be classified within any category according to the algorithm.