

Supplementary Figure S1: Histopathological diagnosis, EIS score, and sensitivity.

EIS Score	Melanoma	Basal Cell Carcinoma (BCC)	Spino-cellular Carcinoma (SCC)	Actinic Keratosis	Morbus Bowen	Basos-squamous carcinoma	Dysplasia Severe	Dysplasia Mod	Dysplasia Mild	Dysplasia Unknown Severity	Benign	Not excised
0	0	0	0	0	0	0	0	0	0	0	0	20
1	0	0	0	0	0	0	0	0	0	0	1	108
2	0	2	0	0	0	0	0	0	0	0	2	153
3	0	3	0	1	0	0	0	6	0	0	5	142
4	1	2	0	2	0	0	1	68	21	0	25	38
5	0	5	0	4	0	0	0	44	18	3	30	20
6	0	4	0	1	4	0	2	41	8	2	9	13
7	1	10	0	3	1	0	0	9	6	1	11	2
8	0	6	1	2	0	0	0	7	4	1	6	2
9	1	5	0	0	1	0	0	3	1	0	1	2
10	0	1	2	1	1	1	0	0	0	0	6	1
	3	38	3	14	7	1	3	178	58	7	96	501
Total											408	909

Sensitivity	100%	87%	100%	93%	100%	100%	100%					
Specificity				7%			0%	3%	0%	0%	8%	

NPV (All Malignancies & Not excised lesions)	98.9 %
PPV (All Malignancies & Not excised lesions)	10.1 %
PPV Score 4-6 (All Malignancies & Not excised lesions)	04.4 %
PPV Score 7-10 (All Malignancies & Not excised lesions)	31.0 %