

Appendix I: Relationship between skin AGEs and (IENFD, CCM metrics, LSA and LSV).

SKIN AGEs Structure		IENFD	CNFD	CNBD	CNFL	LSA	LSV
EP	r	-0.634	-0.582	-0.209	-0.616	-0.205	-0.476
	p	0.000	0.000	0.119	0.000	0.149	0.000
MVO	r	-0.593	-0.546	-0.468	-0.666	-0.412	-0.525
	p	0.000	0.000	0.000	0.000	0.003	0.000
EN	r	-0.561	-0.523	-0.609	-0.551	-0.402	-0.501
	p	0.000	0.000	0.000	0.000	0.003	0.000
BM	r	-0.630	-0.434	-0.468	-0.527	-0.426	-0.542
	p	0.000	0.001	0.000	0.000	0.002	0.000
PECM	r	-0.467	-0.458	-0.161	-0.210	-0.408	-0.216
	p	0.000	0.000	0.231	0.117	0.003	0.116
RECM	r	-0.509	-0.442	-0.337	-0.504	-0.431	-0.168
	p	0.000	0.001	0.010	0.000	0.002	0.224

Appendix II: Relationship between skin RAGE and (IENFD, CCM metrics, LSA and LSV).

SKIN AGEs Structure		IENFD	CNFD	CNBD	CNFL	LSA	LSV
EP	r	-0.525	-0.591	-0.0490	-0.560	-0.264	-0.508
	p	0.000	0.000	0.000	0.000	0.061	0.000
MVO	r	-0.568	-0.484	-0.517	-0.537	-0.474	-0.494
	p	0.000	0.000	0.000	0.000	0.000	0.000
EN	r	-0.444	-0.547	-0.425	-0.528	-0.244	-0.516
	p	0.001	0.000	0.001	0.000	0.084	0.000
BM	r	-0.504	-0.441	-0.267	-0.426	-0.494	-0.468
	p	0.000	0.001	0.044	0.001	0.000	0.000
PECM	r	-0.363	-0.425	-0.120	-0.140	-0.394	-0.217
	p	0.006	0.001	0.375	0.299	0.004	0.114
RECM	r	-0.408	-0.214	-0.020	-0.426	-0.186	-0.368
	p	0.002	0.121	0.882	0.001	0.190	0.006

Appendix III: Relationship between skin GLO-I and (IENFD, CCM metrics, LSA and LSV).

SKIN AGEs Structure		IENFD	CNFD	CNBD	CNFL	LSA	LSV
EP	r	0.464	0.482	0.252	0.503	0.408	0.472
	p	0.000	0.000	0.059	0.000	0.003	0.000
MVO	r	0.498	0.446	0.397	0.489	0.363	0.445
	p	0.000	0.000	0.002	0.000	0.009	0.000
EN	r	0.442	0.464	0.356	0.502	0.311	0.462
	p	0.000	0.000	0.006	0.000	0.026	0.000
BM	r	0.464	0.431	0.331	0.460	0.354	0.388
	p	0.000	0.001	0.012	0.000	0.011	0.003
PECM	r	0.228	0.238	0.119	0.351	0.145	0.367
	p	0.094	0.082	0.375	0.007	0.309	0.006
RECM	r	0.390	0.358	0.055	0.417	0.374	0.326
	p	0.003	0.007	0.684	0.001	0.007	0.015

Footnote: r- Pearson's correlation coefficient, significant correlations p are in bold italic. EP, Epidermis; MVO, Microvessels overall; EN, Endothelium; BM, Basement Membrane; PECM, Papillary Extracellular Matrix; RECM, Reticular Extracellular Matrix; ; LSA, Left Sural Amplitude; LSV, Left Sural Velocity; CNFD (Corneal Nerve Fibre Density); CNBD (Corneal Nerve Branch Density); CNFL (Corneal Nerve Fibre Length); IENFD (Intra-Epidermal Nerve Fibre Density).