



Supplementary Materials

Effect of a topical collagen tripeptide on antiaging and inhibition of glycation of the skin: A prospective, single-arm clinical trial

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1. Supplementary Table

Supplementary Table S1. Overall clinical studies data outcomes.

	Improvement (%)	Baseline	4 weeks	<i>p</i> value
		Mean ± SD	Mean ± SD	
<i>The periorbital skin roughness</i>	- 7.394	20.774 ± 3.506	19.238 ± 3.523	# <i>p</i> <0.001
<i>The glabella skin roughness</i>	- 5.557	21.395 ± 3.094	20.206 ± 2.833	* <i>p</i> <0.001
<i>The maximum periorbital skin roughness</i>	- 4.762	191.106 ± 32.583	182.005 ± 33.629	* <i>p</i> <0.001
<i>The maximum glabella skin roughness</i>	- 5.973	169.924 ± 21.574	159.775 ± 21.577	# <i>p</i> <0.001
<i>The depth of periorbital wrinkles</i>	- 4.918	0.061 ± 0.010	0.058 ± 0.010	# <i>p</i> <0.001
<i>Skin density</i>	7.210	55.655 ± 7.611	59.668 ± 7.841	# <i>p</i> <0.001
<i>Skin collagen strength</i>	3.253	68.023 ± 5.476	70.236 ± 5.140	# <i>p</i> <0.001
<i>Skin surface elasticity</i>	1.961	0.816 ± 0.032	0.832 ± 0.029	* <i>p</i> <0.001
<i>Advanced Glycated End products measurement</i>	- 4.253	2.257 ± 0.322	2.161 ± 0.289	# <i>p</i> <0.001

#*p*: by Wilcoxon signed rank test; **p*: by Paired samples t-test

Supplementary Table S2. Primer sequence for qRT-PCR.

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
<i>COL1A1</i>	GATTCCCTGGACCTAAAGGTGC	AGCCTCTCCATCTTTGCCAGCA
<i>MMP1</i>	ATGAAGCAGCCCAGATGTGGAG	TGGTCCACATCTGCTCTTGGCA
<i>MMP3</i>	CACTCACAGACCTGACTCGGTT	AAGCAGGATCACAGTTGGCTGG
<i>MMP9</i>	GCCACTACTGTGCCTTTGAGTC	CCCTCAGAGAATCGCCAGTACT
<i>GAPDH</i>	GTCTCCTCTGACTTCAACAGAG	ACCACCCTGTTGCTGTAGCCAA

Supplementary Table S3. The total ingredients of Ever Collagen Corrector Collagen Tripeptide Ampoule

Ingredient name		
Water	Helianthus Annuus (Sunflower) Seed Oil	Hydrogenated Polydecene
Glycerin	Adansonia Digitata Seed Oil	Hydroxyacetophenone
Propanediol	Hyaluronic Acid	Hydrogenated Lecithin
Isododecane	Hydrolyzed Hyaluronic Acid	Polyglyceryl-10 Oleate
Butylene Glycol	Leontopodium Alpinum Callus CultureExtract	C12-20 Alkyl Glucoside
Cyclohexasiloxane	Milk Protein Extract	Carbomer
Niacinamide	Akebia Quinata Extract	Sodium Polyacryloyldimethyl Taurate
Diphenyl Dimethicone	Sambucus Nigra Fruit Extract	Biosaccharide Gum-1
Cetyl Ethylhexanoate	C14-22 Alcohols	Tromethamine
Silica	Glycereth-26	Maltodextrin
Triethylhexanoin	1,2-Hexanediol	Saccharide Hydrolysate
Hydrolyzed Fish Skin Extract	Glyceryl Stearate	Adenosine
Tocopherol	Sorbitan Stearate	Ethylhexylglycerin
Betaine	Dimethicone/Vinyl Dimethicone Crosspolymer	Hydroxyethylcellulose
Disodium EDTA	Ammonium Polyacryloyldimethyl Taurate	Rosa Damascena Flower Water
Trideceth-10	Soluble Proteoglycan	Caprylyl Glycol
Sodium Hyaluronate	Glucose	Fragrance

2. Supplementary Figure

Supplementary Figure S1. Cell cytotoxicity of EverCTP™ depending on the concentration in the HDF cell. There was no cell cytotoxicity effect on 10, 250, 500 and 1000 µg/ml EverCTP™ treatment.

