

The Effects of Neigene on skin health and function in females

Dr. Dan Gubler

Unicity Scientific, Orem UT, USA

Introduction:

The skin is the largest organ in the body and, like other organs, is susceptible to damage via multiple environmental insults, including ingested toxins, radiation, and more. However, unlike other organs, the skin bears obvious indication of accumulated damage. The purpose of this study was to determine the degree to which a novel skin cream is able to prevent and reverse evidence of skin damage and hyperpigmentation.

Methods:

Twenty-two adult females (average age of 45.2 years) with signs of obvious skin hyperpigmentation were recruited to participate in this study. Additionally, study subjects had signs of obvious skin hyperpigmentation. Subjects were asked to apply a patented-formula skin treatment for four weeks. Skin tests included dermal density, skin thickness and tone, melanin density, and melasma (i.e. dark spots) number and surface area.

Results:

Dermal Density (%)

	Average	p-value	% Change
Baseline	24.4		
2 weeks	25.04	<0.05	2.78
4 weeks	25.9	<0.01	6.47

Skin Thickness (mm)

	Average	p-value	% Change
Baseline	1.701		
2 weeks	1.711	0.219	0.686
4 weeks	1.725	0.003	1.473

Skin Tone (AU)

	Average	p-value	% Change
Baseline	182.48		
2 weeks	184.11	0.003	0.916
4 weeks	184.21	0.002	0.968

Melanin (AU)

	Average	p-value	% Change
Baseline	54.27		
2 weeks	53.52	0.255	1.38
4 weeks	52.36	0.009	3.13

Melasma (number of dark spots)

	Average	p-value	% Change
Baseline	67.82		
2 weeks	44.23	0.002	31.2
4 weeks	39.86	<0.001	37.34

Melasma (mm area of dark spots)

	Average	p-value	% Change
Baseline	5.37		
2 weeks	4.05	0.014	14.1
4 weeks	3.53	0.01	34.5

Conclusions:

The efficacy of a novel skin product was evaluated for dermal density, skin thickness, skin tone, melanin under the skin, quantity and area of melasma/dark spot in human female volunteers. The general observation was a statistically significant improvement in every measured outcome. In sum, the data strongly indicate that daily use of a novel skin treatment elicits multiple improvements in skin, including protective changes (i.e. dermal density and skin thickness) and reversal in undesired changes (i.e. skin tone and melasma).