

Four Week Skin Texture Study

Performed by cyberDERM Clinical Studies

Objective:

This study compared the benefits of a cream containing Supplamine™, Dynamis' active ingredients, to a base cream lacking them.

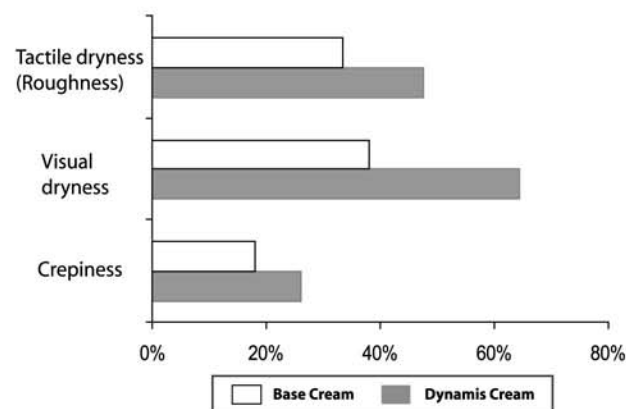
Study Design:

A base cream and a base cream containing Dynamis' active components were tested in a double blind study for their ability to improve skin smoothness, texture and overall appearance after a four week treatment. Eighteen volunteers with moderate photodamage and dryness on the lateral aspect of the upper arm and volar forearm were treated with twice daily applications of both creams (one for each arm) for four weeks. Expert graders assessed the visual texture (crepiness), visual dryness, and tactile dryness (roughness) of the treated areas at the beginning of the study and after the four week period. Each skin feature was graded on a scale, with 0 being skin that is smooth, firm, resilient, moisturized and 8 being skin that is markedly rough, inflexible, and wrinkled.

Results:

1. Skin Texture Percentage Improvement in Four Weeks

Dynamis cream **reduced crepiness by 26%, visual dryness by 64%, and tactile dryness (roughness) by 48%** in 4 weeks.



2. Expert Grader's Ratings of Texture of Crepiness, Visual Dryness, and Tactile Dryness (Roughness)

Skin Feature	Week 0		Week 4		Grade Change		P value
	Base Cream	Dynamis Cream	Base Cream	Dynamis Cream	Base Cream	Dynamis Cream	
Texture of Crepiness	5.0	5.0	4.1	3.7	-0.9	-1.3	0.032
Visual Dryness	2.9	2.8	1.8	1.0	-1.1	-1.8	0.006
Tactile Dryness (Roughness)	3.9	4.0	2.6	2.1	-1.3	-1.9	0.051

The Dynamis Cream was much more effective in **significantly reducing visual dryness** than Base Cream. Tactile dryness was reduced by both formulations but more so with the Dynamis Cream than the Base Cream. These differences are highly directional and are approaching significance at $p < 0.05$. The Dynamis Cream was **much more effective in significantly reducing visual texture/crepiness** scores than the Base Cream.

Conclusions:

We may conclude from this four week study that treatment with either product formulation results in an improved appearance and texture of dry, photodamaged skin. Moreover, based on the Expert Grader results of this study we found product formulation with Dynamis' Supplamine™ to be significantly superior to the base cream.

