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AHA: THE STARS OF RESURFACING TREATMENTS

AHA: Alpha-Hydroxy Acids - fruit acids, glycolic acid, lactic acid, citric acid and so on.

AHAs **increase desquamation** and in the same way **accelerate cellular renewal**. The new stratum formed is smoother and brighter.

Usually used in combination, AHA concentrations in our cosmetics vary from **5% to 15%** depending on the targeted efficacy.

- **Surface peeling**
- **Wrinkle treatment**
- **Treatment of pigmented spots**
- **Acne**
- **Blackheads**



Press review

Physical effects applied with AHA peels improve skin pore and comedone condition



By Andrew McDougall | Ill
04-Sep-2015

04-Sept-2015

Last updated on 04-Sep-2015 at 12:33 GMT



Scientists have discovered that applying a 4% alpha hydroxy acid (AHA) solution combined with using water jet pressure, had rapidly improved effects on whiteheads and blackheads on the face, and that combined physical therapy may have more impact on pore size.



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Your participation helps survivors to be the boss over cancer.



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In the study, the team, from the skin research institute Dermapro and scientists from Korea, investigated whether an additional effect of physical treatment using chemical peeling combined with negative pressure, compared with AHA treatment only, occurs in acne-prone subjects.

To do this, the chemical peeling agent they used comprised of a 4% AHA solution (mixture of 1000 mL of carbonated water, 20 mL of glycolic acid and 20 mL of lactic acid) which was applied to 23 healthy females.

Testing

The subjects' faces were then randomly divided into test and control groups, whereby the test group was treated with chemical peeling combined with a water jet skin delivery system for the physical peeling, and the control group applied the chemical peeling alone.

The sebum output level by light transmission, pore area and number by optical image analyser, and comedone counting, was measured before treatment and at the one-, two-, and four-week stage after a single treatment.

Compared to the before treatment, the scientists say they found that whiteheads and blackheads were decreased at the one-, two-, and four-week stage in both groups, with the test group showing 'significant' reductions, particularly in comparison at week one.

They also note that for the test group only, pore area and number significantly decreased at the first week and the sebum output level was significantly decreased at week four.

Alpha Hydroxy Acid for Acne

Last Updated: Sep 09, 2015 | By J.M. Andrews

09-Sept-2015



Young girl touching her face Photo Credit: Voyageer/Stock/Getty Images

Most people who get acne as teenagers and young adults combat their pimples with over-the-counter benzoyl peroxide products, along with a good skin care routine. In fact, the American Academy of Dermatology (AAD) considers these two approaches to be the 'mainstay' of acne treatment. However, some acne sufferers, particularly those with severe cases, need more help than that. Alpha hydroxy acids, which are used in chemical peels, may assist those with severe acne in preventing new lesions from forming.

Significance

Acne results when the skin's sebaceous glands produce too much oil, leading to clogged pores, according to the AAD. Oily skin also provides a fertile environment for acne-causing bacteria to take hold and proliferate. Alpha hydroxy acids do not prevent the sebaceous glands from producing oil; instead, they work to regenerate, or peel off, the top layer of skin, removing dead skin cells and unclogging pores in the process. Once the skin's top layer is gone, new, clear skin forms.

You Might Also Like



Types

The most common alpha hydroxy acids used in acne care are glycolic acids. Drug stores and other retailers sell alpha hydroxy acids directly over the counter in concentrations of up to 10 percent for do-it-yourself chemical peeling, although the AAD warns these products can irritate the skin. Dermatologists themselves can use alpha hydroxy in much higher concentrations for in-office chemical peel procedures.

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Features

Users of over-the-counter alpha hydroxy acid products say they work best in combination with benzoyl peroxide to prevent pimples from forming. If you apply the alpha hydroxy acid product immediately when you first notice skin irritation in a particular spot, it can work to regenerate the skin there and prevent the pimple from maturing, according to the acne site Acne.org. As a bonus, alpha hydroxy acid also helps combat itchy skin, and can reduce the appearance of aging and fine lines.

Effects

Meanwhile, the AAD says light chemical peels performed in a dermatologist's office using alpha hydroxy acids can help to reduce the number of pimples and loosen blackheads. Medical research backs this up: a 2008 study published in the journal "Dermatologic Surgery" looked at 20 patients who were treated with a 30 percent alpha hydroxy acid peel on one side of their faces. The patients had six peels over the course of



How Alpha Hydroxy Acids Can Transform Your Skin

OCTOBER 28, 2015 BY BRITTANY V.

28-Oct-2015

Alpha Hydroxy Acid = Anti-Aging



Today I wanted to spotlight alpha hydroxy acids (AHAs) and their incredible power to transform the skin. I personally started using an AHA product for the first time about 2 months ago, [Reveal 10](#), and my skin has never looked better in my entire life. My face is so incredibly soft and smooth and the tiny lines that were forming around my eyes have plumped up dramatically. No product I've ever put on my face has made such a visible difference in my skin. Seriously.

So here's everything you need to know about AHAs and how they work:

The most common alpha hydroxy acids are lactic acid and glycolic acid. These two acids in particular penetrate the skin very well and are often used in skin care products. In addition, there is a good deal of scientific data on the effectiveness of both acids.

The main benefit of an alpha hydroxy acid is its ability to exfoliate the skin. They essentially remove the "glue" from the upper layer of skin that holds onto the old, dead skin cells. By effectively removing that top layer of skin, the alpha hydroxy acids serve to help new skin grow. Lactic acid primarily exfoliates the top, dead layer of skin while glycolic acid (a smaller molecule) goes deeper into the skin.

Alpha hydroxy acids reduce the look of wrinkles, help to reduce the likelihood that wrinkles will develop, make skin smoother and (with months of daily use) can help skin that's uneven and hyper-pigmented become smoother and more even.

It's also believed that in addition to helping new (younger looking and fresh) skin to grow, alpha hydroxy acids also stimulate the growth of elastin and collagen, both of which become depleted with age. (source: [Revel's Choice Skin Ingredient Glossary](#))

AHAs and Sensitive Skin

The reason I had never tried AHAs until recently is because I have sensitive skin and was afraid it would be too strong or cause a reaction.

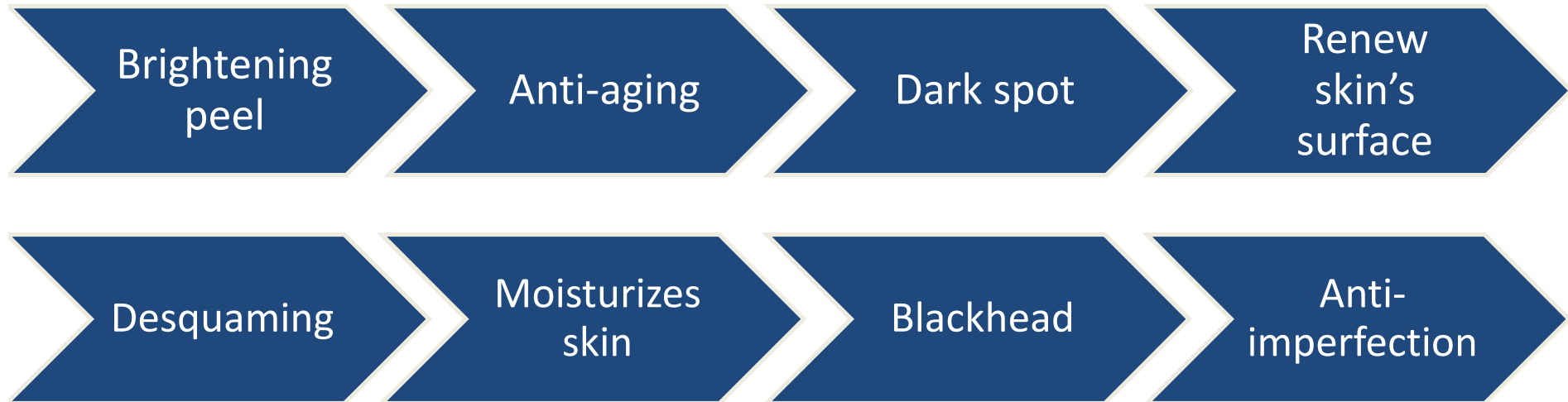
Market Forecast



- A recent study by Transparency Market Research (TMR) forecasts that the **global glycolic acid market will grow at a CAGR of 11.8% between the years 2012 to 2018.**
- The global glycolic acid market is essentially led by Europe, and North America. It is expected that countries like Poland and Russia will **witness robust growth in the global glycolic acid market.** The Asia Pacific is also expected to be a rapidly growing market in the global glycolic acid market due to increasing demand for personal care products. The Asia Pacific glycolic acid market is driven by countries like Japan and China that are witnessing rising demand for anti-ageing products because of a growing geriatric population base. **Rising demand for anti-ageing products from the young population all across the globe is expected to fuel the global market for glycolic acid.**
- <http://www.transparencymarketresearch.com/pressrelease/glycolic-acid-market.htm>

Conclusion

The AHAs are the stars of resurfacing treatments.



Side effect

THEIR AGGRESSIVENESS

Their strong stripping action dries the skin and generates inflammation, sometimes even burns and cannot be used on all skins or without precautions or even constraints.

New AHA resurfacing system: SKINPERF LWG AHAs perfusion

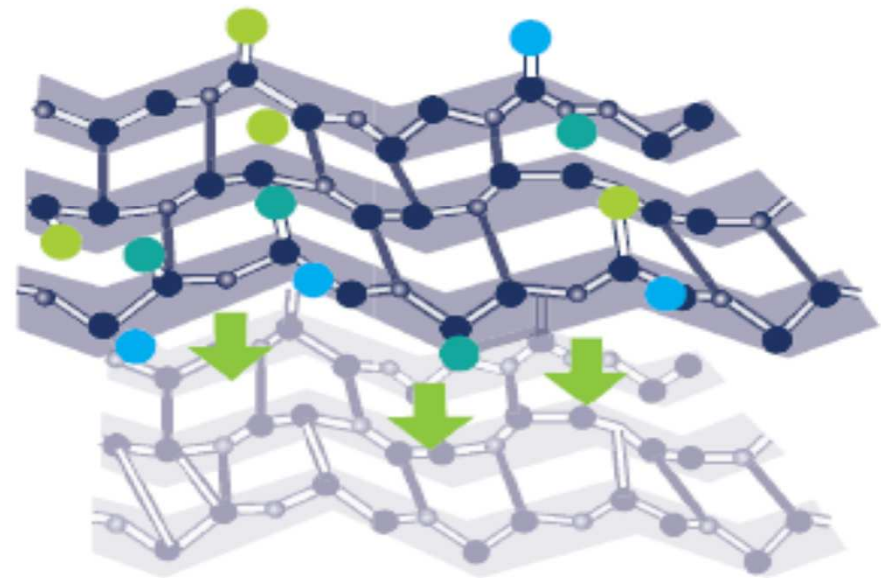


SKINPERF LWG (Lamellar Water Gel) was designed to diffuse AHAs in a progressive and controlled way into the skin.

This is a completely new way of releasing AHAs which equals the performance of conventional AHA treatment while avoiding the problems of burns and inflammation.

It consists of:

- A biomaterial developed using green chemistry, forming a lamellar gel which behaves like an intra-cutaneous reservoir of AHA.
- A synergy of alpha-hydroxy acids: 15% glycolic, 7% lactic and 6% citric acids adsorbed onto the lamellar biomaterial.



This new system means that low concentrations of AHA can be used while maintaining high exfoliating performance.