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Use of Microchannel Technology and Injectable Hyaluronic Acid for Acne Scars

Study result on treatment of acne scars using AQUAGOLD® fine touch™ and HA presented by Dr. Erin Gilbert (Board Certified Dermatologist and Assistant Professor of Dermatology at SUNY Downstate) at the South Beach Symposium on February 12, 2016

Synopsis

Hyaluronic Acid (HA) has been commonly used for injection into the mid-to-deep dermis for correction of moderate-to-severe facial wrinkles and folds such as nasolabial folds. Using techniques largely popular in Europe and Asia, one can inject the HA into the superficial layers of the skin to improve texture and fine lines and provide an increased level of hydration and radiance.

Objective

To use microchannel technology and injectable hyaluronic acid for acne scars and overall skin health and quality.



AQT-001 Single Microchannel

Results

Patient reported no discomfort, was very satisfied with the procedure and reported no downtime and immediate improvement the next day. Comparison photography was taken 48 hours after treatment and there was a significant visual improvement in the appearance of her acne scars as well as in her skin quality.



Before

After 48 hours

"AQUAGOLD provides the skin revitalizing benefits of microneedling less invasively. I customize a proprietary cocktail of super ingredients like hyaluronic acid and Botox and stamp delicate areas like your eyes, décolletage, and hands with it. You'll glow instantly."

-- Christopher Pavlou, MD --

"Anything we put in there can be any secret combination of things...The goal is this goes with every one of you treatments. If you're getting fillers inside, you should get fillers on the outside. So we call this the Finishing Touch. This is infusing real medicines."

-- Jason Emer, MD --

"Tried out the AQUAGOLD 24 KARAT GOLD microchannel microneedling device. I put some Juvederm and Botox in the cocktail and treated face and neck...Smooth smooth! Loving the results!! It's been a few days since I've done the AQUAGOLD treatment and I have to say I really, really like my skin. I feel like it's a little bit smoother, looks a little bit more airbrushed."

-- Anna Guanche, MD --

"Patients see immediate results – plumpness, pore size, tightness and overall skin quality! This treatment can also be performed with Botox, to help treat facial flushing and large pores, and with Filler, to help smoker's lines and under eye crepiness.

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-- Jaimie DeRosa, MD --

"AQUAGOLD[®] fine touch[™] is a unique broad-spectrum applicator that effectively and comfortably deliver small micro droplets of treatment solutions directly into the skin enabling greater absorption. Some common combination of solution infusions are Botox, Filler, PRP."

-- William Harper, MD --

"This device delivers solutions composed of hyaluronic acid fillers, Botox, Dysport, and vitamins into the skins surface. This is a great treatment for areas such as the face, neck, back of hands and décolleté."

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-- Sumit Bapna, MD --

"... at the bottom of the vial, we have a small amount of the combination of botox and hyaluronic acid filler. And the deliver cap of this has 20 microneedles that are smaller than human hair. The outside of the needles has spiral chnannels that deliver the product in the vial directly into the skin and it's all virtually painless."

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-- David Van Dam, MD --

"AQUAGOLD[®] fine touch[™] uses a microchannel technology to effectively deliver ingredients right into the surface of the skin. Using twenty individual microchannels that are each thinner than a human hair we are penetrating into the skin to deliver specific treatments. Can be done on Face, neck and decolette to treat any textural irregularities including:fine lines & wrinkles, large pores, acne scars or unevenness.

-- Dennis Gross, MD --

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Methods In this study, we used a new microchannel tech-

nology to deliver HA diluted with saline (1:4)

into the superficial layer of the skin (zero to 600 µm in depth) in a 29 year old woman with moderate to severe acne scarring on her cheeks The microchannel device is equipped with 20 micro channels that are smaller than human hair Each microchannels made of surgical grade stainless steel plated with 24-karat gold and are 130 µm in diameter. The array of microchannels are attached to a vial that contains the HA solution. The plunger in the middle of the device releases a consistent dose of the solution. For comparison, we treated only one side of the face with a monophasic double cross-linked HA diluted in saline (0.2cc HA and 0.8cc saline) to prevent tindel effect or lumpiness at the skin surface. Using serial, overlapping perpendicular depressions, we performed approximately 60 injections in 2 minutes which is equivalent to 1,200 micro injections. No topical anesthesia was applied.

Conclusion

Superficial microinjections of diluted HA using a new microchannel device appears to provide significant visual improvement in moderate to severe acne scarring and skin quality with no adverse effects.







AQT-001 Technical Design

AQUAVIT PHARMACEUTICALS



What Models Do to Prepare for the New York Fashion Week

By Sara-Spruch Feiner • 02/07/18 9:15am



The Aquagold microneedle is made from 24K gold. Courtesy Aquagold

What it is: Microneedling, as you might already know, is controversial in the beauty world. However, Aquagold is a painless alternative that infuses customized skin cocktails through just 20 microscopic needles made of 24K gold. Each of the hollow needles is smaller in diameter than a piece of hair, allowing the cocktail to penetrate the skin's surface. What's in these custom cocktails? A mix of hyaluronic acid, Botox, vitamin complexes and PRP.

"Aquagold allows us to microdose combinations of these results-driven products directly into the skin," Dyer explains, "which helps to reduce pore size, even out skin tone, minimize fine lines, and improve acne scarring." Its myriad of benefits includes helping the under eye area, pores on the nose, and horizontal neck lines. "Those with dry skin really like the increase in hydration to their skin as well," Dyer says. Depending on your custom cocktail, treatments start at \$750.

What to expect: This quick and simple treatment starts with a numbing cream applied to the entire face. Once the face is numb, the procedure doesn't hurt— Dyer describes the feeling as more "annoying" than anything else—a mild, prickly sensation. The result? Glowy, plumped and vibrant skin for two to three months afterward.

NEWBEAUTY[°]



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effective) treatments your friends are

Harper's Bazaar (Malaysia) 1 May 2016



PERFECT DECOLLETAGE Smoothing out lines and adding volume to the neck, décolletage, and hands can be tricky to treat with injectables, says Joel Schlessinger, an Omaha dermatologist. That's where the Aquagold Fine Touch microneedling device comes in. "I fill in the reservoir with a hyaluronic acid filler, like Juvéderm, and also with Botox," says Schlessinger. It's a fast way to cover a big area with minimal pricking.

NEWBEAUTY WHAT'S YOUR GO-TO ANTI-AGING ESSENTIAL?

"One of the new exciting anti-aging treatments is the use of microneedling devices, like AOUAGOLD Fine Touch, which introduce small quantities of personalized nutrients and skin boosters to the skin for customized rejuvenation to regain a healthy glow."



OCULOPLASTIC SURGERY Dr. Steven Fagien Boca Raton, FL, Oculoplastic Surgeon

BAZAAR

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For the ultimate skincare regimen, the SKINWORKOUT[™] system is the perfect take-home maintenance kit between the AQUAGOLD® fine touch™ treatments. Visit www.skinworkout.com for more information!

