

Exceptional Personalization of Anti-Aging Therapy

AQUAGOLD® fine touch™

EXCEPTIONAL PERSONALIZATION OF ANTI-AGING THERAPY: Fine touch™

AQUAGOLD® fine touch
Custom Treatments†



English reconstruction of the website presentation. The visuals come from the original file; the Polish text has been translated and reorganized for easier reading.

Technical Details

A unique patented technology: Repeated Motion Microchannel®.

TECHNICAL DETAILS

A UNIQUE, PATENTED
TECHNOLOGY:

REPEATED MOTION MICROCHANNEL®



Summary

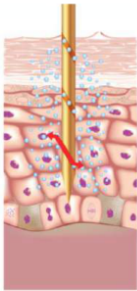
- Class I medical microchannel applicator registered with the FDA.
- CE marked.
- Delivers low doses of drugs intradermally.
- Single-use only.
- Twenty microchannels coated with 24-karat gold.
- The plunger delivers medication or biologic substances into the needle microchannels.
- The vial is large enough to hold up to 8 mL of customized therapy.



Microchannels, Microneedles, and Syringe Delivery

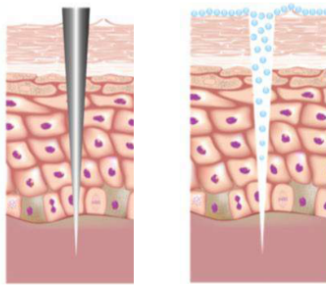
Method	Description
Microchannels	A 0.6 mm needle with a patented microchannel design disperses the formula into the epidermis and dermis.
Microneedles	1.0-2.0 mm microneedles reach the dermis, repeatedly injure the skin, and stimulate collagen production.
Syringe	A 0.5-1.0 mm syringe manually injects medication or biologic substances into the skin and often leaves temporary lumps.

MICROCHANNELS



A 0.6 mm needle with a patented microchannel design disperses the formula into the epidermis and dermis.

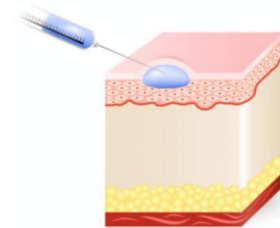
MICRONEEDLES



1.0-2.0 mm microneedles reach the dermis, repeatedly injure the skin, and stimulate collagen production.

The active substance is applied superficially and is not injected directly into the skin.

SYRINGE



A 0.5-1.0 mm syringe manually injects medicine or biologic substances into the skin, often leaving temporary lumps.

Need Specifications

Diameter

Each needle has a diameter of 0.13 mm and is thinner than a human hair, which results in little to no pain during application.

- Microchannel needle: 0.13 mm
- Human hair: 0.18 mm

Length

- The needles are 0.6 mm long and penetrate the epidermis and dermis, allowing deep distribution of the formula in the skin.
- The epidermis is the outermost layer of the skin and has an average thickness of 0.1 mm.

Metal

- Medical-grade stainless steel (SUS 304) provides structural integrity.
- The steel resists corrosion thanks to its 18% chromium content, reducing the risk of contamination from rust or surface defects.
- Its yield strength is approximately 240 MPa, meaning significant pressure is required to bend it permanently.
- The steel is non-magnetic and suitable for patients with metal or implanted devices in the body.

Gold

- Each of the 20 microchannels is coated with 24-karat gold (99.9% pure gold) at the highest possible purity level.
- High-quality gold may help reduce the chance of unwanted skin reactions.
- Gold acts as an antioxidant and may help neutralize free radicals, reducing additional inflammation.
- Composition table: 24 karat, 0% silver, 0% copper.

Plunger Technology and Additional Details

- The patented plunger technology provides counterbalance while delivering the formula through the microchannels into the skin.
- 1,200 pushes per minute: 20 microchannels x 1 push per second x 60 seconds.
- Optimal viscosity: 50-500 cP to enable smooth fluid flow through the microchannels.
- Material: FDA-certified glass.
- Capacity: the vial can hold up to 8 mL.

Repeated Motion Technique

The patented Repeated Motion technique powers AQUAGOLD® fine touch™. This visualization shows the correct way to use the product.



Current and Future Applications

- Physicians worldwide have recognized this novel and unique technology and have used AQUAGOLD® fine touch™ for years to treat dermatologic concerns.
- It is an exceptional alternative to classic needle mesotherapy or mesopen therapy.
- There is minimal risk of bruising after the procedure.
- Patient comfort is high; the treatment is practically painless.
- The effect is fast and striking; within a few days the skin can look rested and more radiant.

CURRENT AND FUTURE APPLICATIONS

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- High patient comfort; the procedure is virtually painless.
- A fast and striking effect; within a few days, skin can look rested and radiant.

Personalized Treatment: Dr. Lupo

- 2 mL saline
- 0.2 mL hyaluronic acid
- 0.3 mL lidocaine + epinephrine
- 15 units of botulinum toxin

This protocol was presented at a CME session titled "One Syringe Wonder" during Cosmetic Bootcamp in Aspen.

Case Quote

"When I use the AQUAGOLD® medical device, in addition to hyaluronic acid, I often use a neuromodulator, which improves fine lines in the cheeks without taking away the smile."

Mary Lupo, MD, board-certified dermatologist, Lupo Center for Aesthetic and General Dermatology, New Orleans, LA.

Personalized Treatment: Dr. Buda

- Hyaluronic acid: 1.0 mL
- Vitamin C (intravenous preparation): 1.0 mL / 150 mg
- Glutathione (intravenous preparation): 1.0 mL / 300 mg
- Botulinum toxin: 12 units

Case Quote

"Perform two passes using the listed amounts across the entire face. Then mix the remaining product with 1 mL / 150 mg of vitamin C and perform a third pass. The result is fantastic!"

Dr. Bernadett Buda, board-certified ENT surgeon, Budapest, Hungary.

Expanded BoNT-A Use Cases

Expanded applications of AbobotulinumtoxinA may also be delivered using the AQUAGOLD® medical device. Research cited in the brochure states that BoNT-A can reduce sebum production and pore size in oily skin, likely by blocking acetylcholine activity in sebocytes. BoNT may also affect sebaceous glands. Inhibition of acetylcholine signaling has also been associated with reducing flushing, a key symptom of rosacea, and has been observed in patients with Frey syndrome.

Full article available via Aesthetic Surgery Journals.



THANK YOU



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