

Handwritten Chinese characters in blue ink, likely reading '好生活' (Good Life).



Restoring and regenerating the skin's natural architecture

Unique Deep Tissue Remodelling with Rapid Healing

NeoGen nitrogen plasma technology delivers controlled heating to the skin architecture stimulating a significant physiological response, without creating an open wound. Unlike ablative technologies there is no epidermal vaporisation or charring caused at time of treatment.

The unique energy delivered by NeoGen is non-fractionated and not dependant on a chromophore for its uptake. This provides uniform energy absorption, ensuring consistent treatment of the skin, and at high energies supporting significant tightening.

Unique Technology

NeoGen converts nitrogen gas into plasma energy, the fourth state of matter. The plasma emerges from the handpiece in controlled pulses and rapid heating of tissue occurs as it gives up its unique thermal energy to tissue.

No Open Wounds

The treated photodamaged layers undergo a controlled thermal modification, while remaining intact, creating a natural dressing to provide protection and speed healing. At high energies the epidermis sheds, but only after a new, healthier skin architecture is formed beneath.

Treats the Whole Skin Architecture

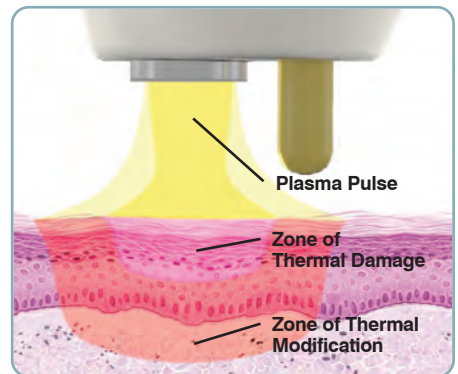
Treating the entire skin structure ensures optimal results as the entire surface is regenerated with associated neocollagenesis and neoelastogenesis. No islands of untreated skin remain. Clinical studies show significant tightening - Mean 22% improvement in upper eyelid tightening (JOC D 7, 169-179, 2008).

Eyelids and Periorbital Treatment

NeoGen is the ideal option for the treatment of the upper and lower eyelids, as well as the wider periorbital region. Other technologies cannot be used in this area or deliver inconsistent results.

Long Lasting Results

Clinical studies show neocollagenesis and reduction in elastosis continuing for more than one year post treatment.



NeoGen Unique Energy Dependant Effect

Between the Zone of Thermal Damage (ZTD) and the Zone of Thermal Modification (ZTM), a line of cleavage becomes evident, where the new epidermis forms. NeoGen uniquely enables the practitioner to control the depth of this line of cleavage by adjusting the level of energy delivered to the skin.

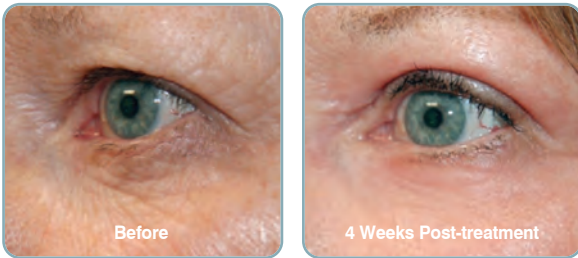
"With this technology you have the epidermis acting as a natural dressing. There is no better dressing for your skin than your own skin cells, because they produce all the right combinations of growth factors and have the right stimuli to create new skin underneath. To me this is absolutely unique – I have not seen this before with any of the other resurfacing technologies, either CO₂ or Erbium"

Eric F Bernstein, M.D.
Main Line Center for Laser Surgery, Ardmore, PA

NeoGen offers a range of treatment options, and delivers the unparalleled results your patients expect:

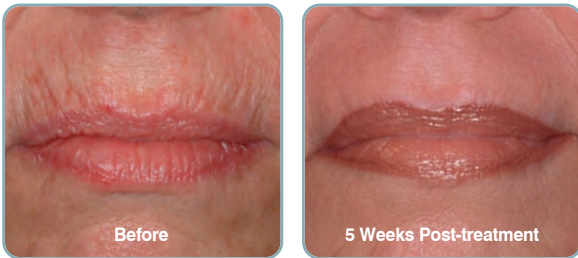
- Reduces superficial and deep wrinkles
- Removes discolouration, improves skin tone, texture and elasticity
- Effectively treats acne scars, benign pigmented lesions, actinic keratoses and seborrhoeic keratosis
- Periocular treatments show demonstrable improvement on upper and lower lids
- Clinical studies show significant skin tightening
- Continued neocollagenesis and elastosis reduction for over 12 months

Photographs Courtesy of V. Gurvits, DO



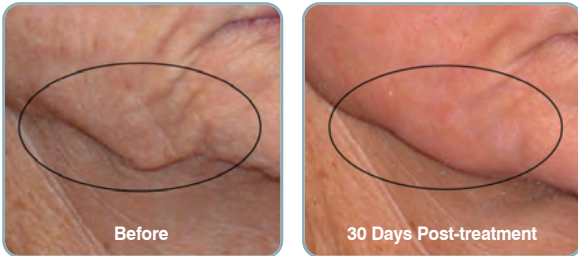
**High Energy Single Treatment
3.0 Joules Double Pass on
Deeper Rhytides**

Photographs Courtesy of V. Cirillo-Hyland, MD



**Peri-Oral Region –
High Energy Single Treatment**

Photographs Courtesy of R. Fitzpatrick, MD



**Peri-Oral and Jowl region -
High Energy Single Treatment**



Plasma flowing from NeoGen handpiece



NeoGen™
Nitrogen Plasma Technology

The Proven Power of Plasma for Skin Regeneration

- Unique technology – controlled pulses of nitrogen plasma energy
- Treats the whole skin architecture - no islands of untreated skin remain
- Deep Tissue Remodelling – epidermis acts as natural dressing post treatment
- Versatile - high or low energy treatment choices to fit your patients' needs and lifestyle
- Precise - treat eyelids effectively with significant results
- Long-lasting effects - intense fibroblast activity supports continued regeneration.
- Consistent – non-fractionated and non-chromophore dependence assures uniform energy absorption
- Proven – supported by numerous IRB-controlled studies

It's all about feeling good

"Nitrogen Plasma technology provides a well-researched and very effective mechanism for skin regeneration. It is safe, low cost and reliable"

Christopher Zachary
Professor & Chair, Department of Dermatology, University of California, Irvine

"This technology delivered the clinical results that were promised. It is also backed by extensive research and clinical studies in which I was involved. I've seen dramatic results with it"

Edgar Fincher, M.D., Ph.D.
Fincher Dermatology & Cosmetic Surgery, Beverley Hills, CA

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NeoGen Specifications

Power:
100 – 120 / 230 Vrms
50/60 Hz
650 VA

Energy Output:
Pulsed nitrogen plasma.
1 – 4 Joules

Repetition Rate
1.0 - 2.5Hz

Dimensions:
470 x 430 x 1060mm

Gas Requirement:
Medical Grade Nitrogen

Weight:
System: 18kg / 40lb
Trolley: 25kg / 55lb (excludes gas tank)

Environment:
Ambient: 0 to 40 Celsius
Relative Humidity: 30 to 75%
Atmospheric Pressure:
700 to 1600 hPa

Specifications are subject to
change without prior notice



Energist Medical Group provides a comprehensive range of laser, light and plasma based products for your clinic together with excellent local support. A partnership with Energist will enable you to offer your patients the high quality treatments and excellent results they desire. For further information on our full product range, visit www.energistgroup.com

Other products in the Energist range

MedArt®

We have more than 30 years experience in the manufacturing of super-compact, high performance lasers. Our MedArt range of innovative and versatile laser systems includes diode and CO₂ lasers for a variety of medical and surgical applications.



Featuring the most powerful handpiece available for vascular and epidermal pigmentation treatment, this versatile range of pulsed light systems uses world-renowned and proven VPL technology. VPL systems also offer treatments solutions for hair removal, vascular and pigmented lesions, and acne.

ePulse

The celebrated ePulse range offers a capable and cost-effective system for the treatment of hair removal, skin treatments and acne. This highly portable and easy to use range offers a number of unique features.



It's all about feeling good