

NeoGen Evo

NITROGEN PLASMA SYSTEM

Clinically proven technology

Over 50,000 Nitrogen Plasma treatments have now been performed worldwide, 30 IRB clinically controlled studies carried out and 7 indications have been cleared by the FDA.

Meeting patient expectations

Physicians can customise settings to meet their patient's attitude to results and downtime, with treatment protocols ranging from a 'pain free, no downtime' treatment to the equivalent of a full ablative treatment.

Equivalent to full ablative results but only 50% of the downtime

For those patients who seek demonstrable improvements, the NEOGEN EVO delivers results comparable to a full ablative treatment but with the safety and healing profile of a non-ablative treatment.

Treating multiple conditions simultaneously

The entire skin surface is regenerated with no untreated islands, contributing to improved tightening, colour, texture and tone, as well as the removal of pre-cancerous skin lesions.

Deep tissue remodelling

Post treatment, the epidermis acts as a natural dressing to provide protection and speed up healing compared with lasers which have inherent complications and risk.

Safe and precise alternative to blepharoplasty and facelift

Plastic Surgeons can offer their patients a non-surgical alternative, or a complementary treatment to enhance the improvement of their cosmetic surgery. Increased skin permeability Post treatment, there is an increased permeability of the skin barrier allowing increased absorption of topical preparations through the skin, enabling faster recovery and combination therapies.

How it Works

Unique deep tissue remodelling with rapid healing

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 the time of treatment.

The unique energy delivered by NEOGEN EVO is non-fractionated and not dependant on a chromophore for its uptake. This provides uniform energy absorption, ensuring consistent treatment of the skin. At high energies, it also supports significant tightening.

Unique technology

NEOGEN™ EVO converts nitrogen gas into plasma energy, the fourth state of matter. The plasma emerges from the hand piece 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, whilst remaining intact. This creates a natural dressing to provide protection and speed up healing. At high energies the epidermis sheds, but only after a new, healthier skin architecture is formed beneath.

Treats the whole 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 – an average of 22% improvement in upper eyelid tightening (JOCD 7, 169-179, 2008).

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 EVO uniquely enables the practitioner to control the depth of this line of cleavage by adjusting the level of energy delivered to the skin.