

**NO-NEEDLE MESOTHERAPY™  
LIPO KONTOUR**

THE ULTIMATE IN FAT DISSOLVE THERAPY





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Non invasive **Fat-Dissolve** is an innovative alternative to injection lipo-dissolve therapy or liposuction. The main ingredient in Fat-dissolve is Phosphatidylcholine (PPC) - a natural product found in human body. Its main role in the body is to help emulsify and breakdown fat and cholesterol and it is a key constituent of cell membranes and high density lipoproteins (the good cholesterol). PPC is derived from soybeans and has the same molecular structure as the human body PPC. It is focused on dissolving of unwanted small localized areas of fat. In addition to small areas of fat-loss, stretch-mark, and cellulite reduction, the treatment may improve skin tone, elasticity, and increase collagen production that is impeded through the natural aging process. However, Fat-dissolve does not stop the aging process. Fat can appear again throughout your lifetime.

Over 80% of adult women experience cellulite problems. **Cellulite**, or dimpled skin on the thighs, buttocks and abdomen appears to have little relation to lifestyle – even those who exercise regularly are not immune to the problem. Cellulite impacts women frequently and men are rarely affected. Female skin is thinner, orientation of collagen and elastine fibers is different and hormonal changes play an important role.

**Wrinkle** appearance is a natural aspect of the human aging process – which causes worsening of skin hydration and decrease of elastin and collagen production. Various factors play a role, including excess UV exposure, the presence of pollutants in our environment, smoking, and higher concentrations of free radicals. Delivery of specialized active substance cocktails that address various facets of the skin's aging process contribute to skin rejuvenation and repair. Generally, this problem is unstoppable however it can be significantly slowed down.

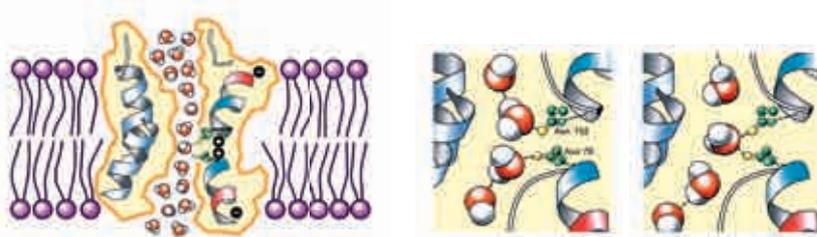
Hormonal melasma is frequently exacerbated during pregnancy, at menopause, and with the use of oral contraceptives. Consequently, brief sun exposures without sunscreen can cause dramatic changes in skin pigmentation. Medications are also a frequent cause of rapid onset **Hyperpigmentation**. Significantly, post-inflammatory hyperpigmentation is often seen after 'over treatment' with laser or intense pulsed light (IPL). Although the condition may resolve with time, immediate treatment is important, since this will maintain the patient's confidence as well as determine the ultimate outcome.

Skin loses its elasticity and strength as part of the body's natural aging process. This aging phenomena is typically seen in thinner tissue structures and those which are not well connected to muscle fascia such as the décolleté and neck. **Derma-Lift** therapy utilizes BTL's unique No-Needle Mesotherapy Therapy™ System in combination with proprietary active ingredient formulations, to target skin laxity in body areas most susceptible to the condition.

No-Needle Mesotherapy™ (NNM™) is a modern alternative to traditional injection mesotherapy method. NNM™ uses pulses of electrical energy specially designed to relieve the congested tissue. The NNM™ treatment is based on a new technique called Aquaphoresis™, which uses laser or LED technology and specialized electrical waveforms to help reactivate specific physiological processes in tissue that contribute to rejuvenation of different tissue layers. These processes include microcirculation, collagen remodeling, lymphatic drainage and enhanced blood flow.

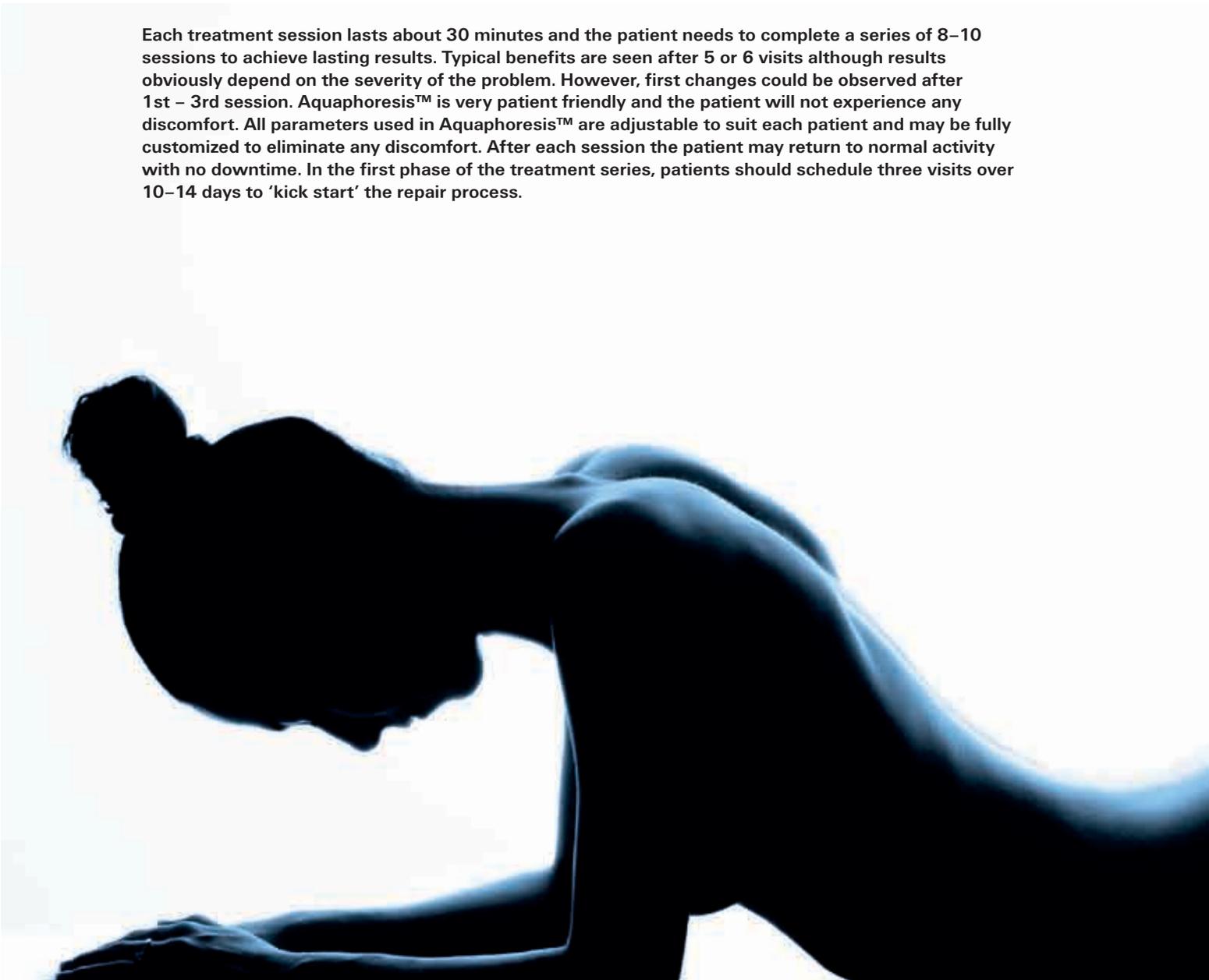
The Aquaphoresis™ process is based on the synergic effect of:

- ◇ Laser stimulation / LED photostimulation
- ◇ Effect of active substances in deep tissue
- ◇ Muscle toning & stimulation
- ◇ Lymphatic stimulation



Cell water channel and aquaporins

Each treatment session lasts about 30 minutes and the patient needs to complete a series of 8–10 sessions to achieve lasting results. Typical benefits are seen after 5 or 6 visits although results obviously depend on the severity of the problem. However, first changes could be observed after 1st – 3rd session. Aquaphoresis™ is very patient friendly and the patient will not experience any discomfort. All parameters used in Aquaphoresis™ are adjustable to suit each patient and may be fully customized to eliminate any discomfort. After each session the patient may return to normal activity with no downtime. In the first phase of the treatment series, patients should schedule three visits over 10–14 days to ‘kick start’ the repair process.



BTL No-Needle Mesotherapy™ Lipo Kontour device is based on the introduction of new treatments designed to address multiple applications in body recontouring. Treatment protocols are based on non-invasive transdermal penetration utilizing dual wavelength laser and three proprietary electrical waveforms. BTL's unique technology is positioned as a first choice treatment modality for spas and medical clinics seeking to attract patients for body recontouring therapies. The therapy protocols are designed to impact lipolytic processes in sub-dermal fat layers.



No-Needle Mesotherapy™ procedure



No-Needle Mesotherapy™ Fat-Dissolve treatments are exploiting a new permeation enhanced active compound designed to address multiple applications in body recontouring. Treatment protocols are based on non-invasive transdermal penetration utilizing patented Aquaphoresis™ technology. The proprietary formula used for BTL No-Needle Mesotherapy™ is based on a carefully balanced active ingredient mix. The therapy protocol uses Phosphatidylcholine combined with other active substances, and is designed to impact lipolytic processes in sub-dermal fat layers.

Fat dissolving therapies represent a significant breakthrough in one of the most dynamic segments of aesthetic therapy market. The No-Needle Lipo Kontour technique is the most complete, non-invasive solution to the challenge of treating sub-dermal fat. Treatment protocols are free of pain, bruising, erythema and the potential for allergic reaction common with invasive as well as traditional needle based procedures.

**Fat-Dissolve applications**

- ◇ Abdomen
- ◇ Buttock
- ◇ Lower back (Flanks)
- ◇ Thighs (front, back)
- ◇ Under chin
- ◇ Upper arm
- ◇ Upper back

Protocol: Abdomen, age: 35, volume: 17 cm circ. decrease



Before Tx

After 5 Tx

After 10 Tx

Protocol: Abdomen, age: 28, volume: 9 cm circ. decrease



Before Tx

After 6 TX

After 8 TX

Protocol: Thigh, age: 34, volume: 5 cm circ. decrease on each thigh



Before Tx

After 10 Tx

2 months after 10 Tx

Protocol: Buttock, age: 28, volume: 6 cm circ. decrease on each thigh



Before Tx

After 5 Tx

**Anti-Cellulite applications**

- ◇ Abdomen
- ◇ Buttock
- ◇ Flanks
- ◇ Thigh back
- ◇ Thigh front
- ◇ Upper arm

Protocol: Upper arm, age: 56 years



Before Tx

After 4 Tx

Protocol: Buttock, age: 38 years, cellulite stage: 2 → 1



Before Tx

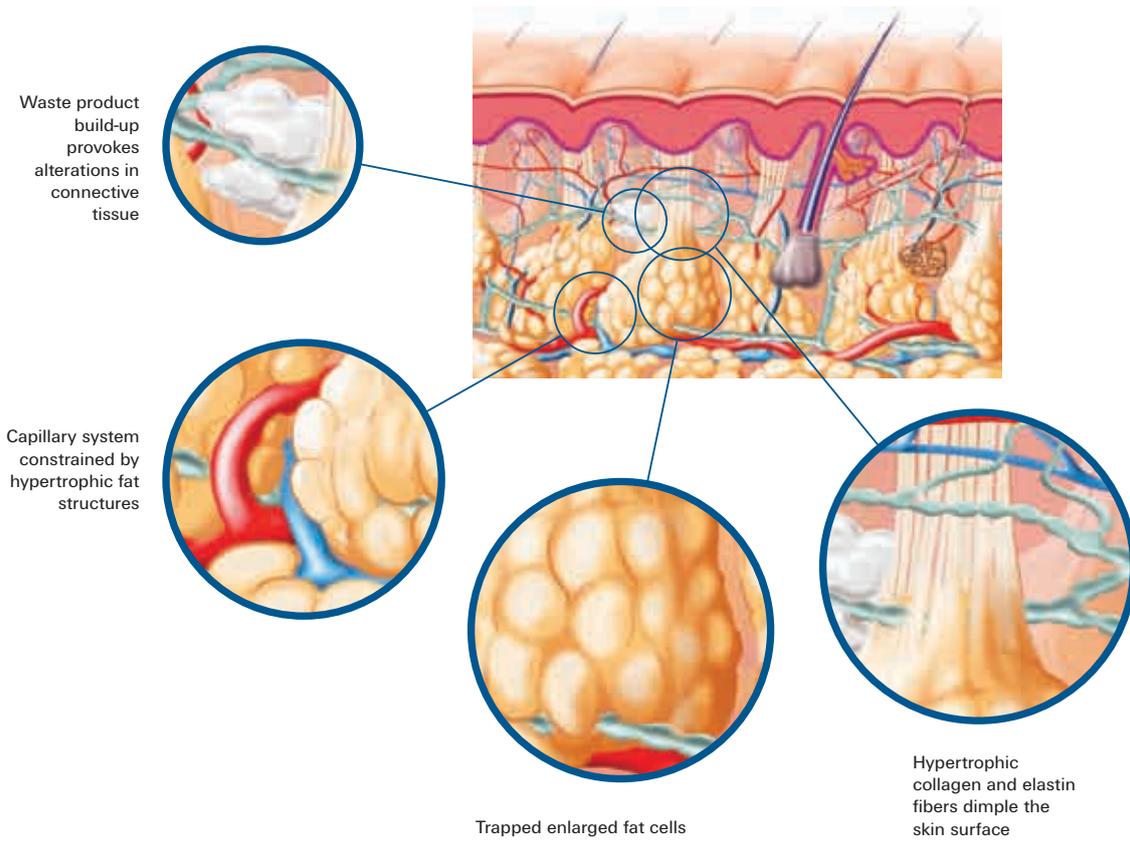
After 5 Tx

Protocol: Abdomen, age: 58 years, cellulite stage: 3 → 2

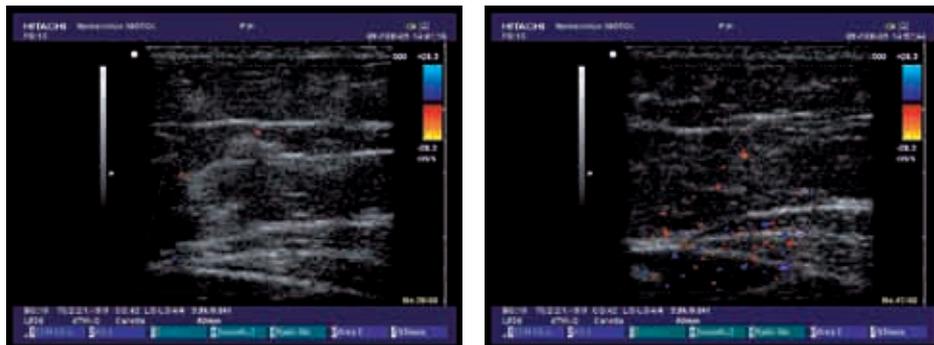


Before Tx

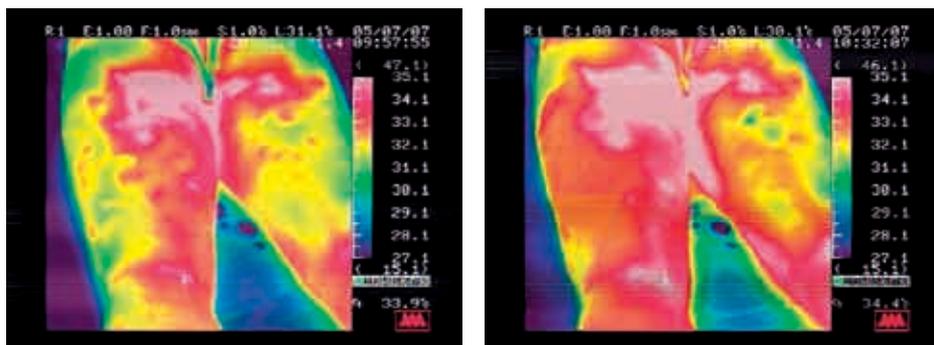
After 10 Tx



Color Doppler measurement shows activation of local blood circulation.



Thermal homogeneity caused by improvement of local microcirculation after the therapy.



Before NNM™

10 minutes after NNM™



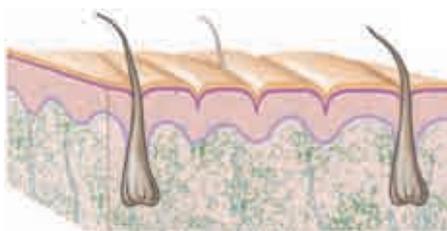
No-Needle Mesotherapy™ addresses almost every facet of the skin’s aging process. Aquaphoresis™ drastically increases the hydration level of facial tissue, increases the vascularisation of tissue which in turn stimulates the production of fibroblasts. Fibroblasts are a key initiator of collagen and elastin – vital to the maintenance of skin suppleness and smooth appearance.

The Active Substances and Aquaphoresis™ gel include large volume of hydration ingredients, antioxidants, DL-Panthenol, imuno-stimulants and natural extracts. Aquaphoresis™ enables deep tissue penetration of Active Substances. The synergy of Aquaphoresis™, unique impulses and an effectively delivered Active Substance cocktail, facilitates the maximum possible effect.

Age: 46 years, after 7 Tx

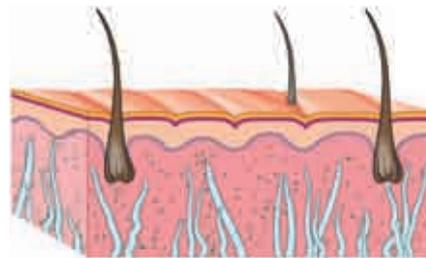
**Anti-Wrinkle applications**

- ◇ Forehead
- ◇ Cheeks
- ◇ Chin
- ◇ Neck
- ◇ Periorbital
- ◇ Perioral



**Wrinkles are caused by:**

- ◇ Skin dehydration
- ◇ Decreased collagen and elastin production
- ◇ Accumulation of free radicals
- ◇ Reduced nutritional supply
- ◇ Environmental and photo-aging



**NNM Anti-wrinkle treatments offer:**

- ◇ Increased skin hydration to cellular level
- ◇ Enhanced production of collagen and elastin
- ◇ Significant anti-oxidant therapy
- ◇ Skin rejuvenation of facial skin damaged by over exposure to sun, smoking and other factors

Hyperpigmentation may occur as a result of genetic predisposition or as a result of ultraviolet light exposure, infection, hormones, drugs, acne or topical chemicals applied to the skin. Significantly, incorrectly applied topical exfoliation products may cause hyperpigmentation especially when applied to vulnerable, darker skin types.

Treatment goals are aimed at achieving improvements in skin quality and a reduction of pigment in affected areas.

#### Whitening applications

- ◇ Forehead
- ◇ Cheeks
- ◇ Chin
- ◇ Periorbital
- ◇ Perioral
- ◇ Neck
- ◇ Décolleté
- ◇ Forearm
- ◇ Pigmented spots (body)

Protocol: Combined



Before Tx

After 5 Tx

Protocol: Forehead & periorbital, age: 40



Before Tx

After 5 Tx

Protocol: Perioral, chin & cheeks, age: 41



Before Tx

After 10 Tx

Transdermal delivery of specific active ingredients is useful in the treatment and reduction of skin laxity. BTL No-Needle Mesotherapy™ utilizes a carefully balanced program based on the penetration of a proprietary active substance formula that addresses decreased skin elasticity problem. Treatment goals are aimed at achieving improvements in skin quality due to collagen remodeling, effective skin hydration and other processes leading to rapid skin tightening effect.

**Derma-Lift applications**

- ◇ Abdomen
- ◇ Breast firming
- ◇ Buttock
- ◇ Décolleté
- ◇ Flanks
- ◇ Thighs back
- ◇ Thighs front
- ◇ Upper arms
- ◇ Chin, cheeks, perioral
- ◇ Neck
- ◇ Perioral, periorbital
- ◇ Periorbital, forehead

Protocol: Neck, age: 53



Before Tx

After 10 Tx

Protocol: Décolleté, age: 56



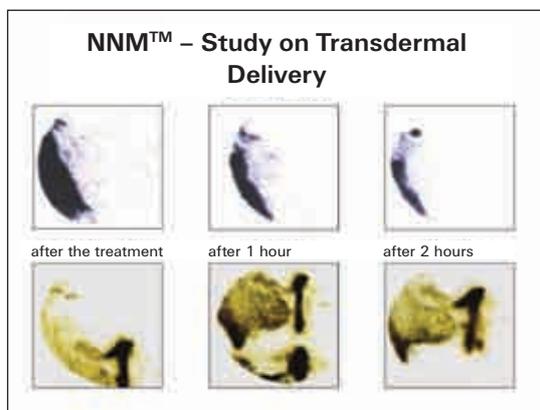
Before Tx

After 10 Tx

## TRANSDERMAL PENETRATION STUDY

The depth of penetration achieved with BTL No-Needle Mesotherapy™ has been verified through a University based radioisotope lymphography study. Active substances were mixed with 99 mTc and the area was treated with a standard No-Needle protocol. The presence of the isotope material was readily detected in the lymphatic system in less than 20 minutes and remained visible up to 24 hours. Distribution of the material was extremely even compared to injection placement. The images were recorded using a Gamma Planar scanner with collimator, immediately post treatment, 1, 2 and 24 hours after treatment. This is the first scientific study fully documenting non-invasive transdermal penetration.

The research was performed at the prestigious Naval Hospital in Buenos Aires, Argentina, with the scientific support and direction of Dr. Alberto Croci of the Salvador Nieto Foundation – an organization dedicated to the study, research and treatment of lymphatic pathologies. The study had a prospective, longitudinal, and double blind design.



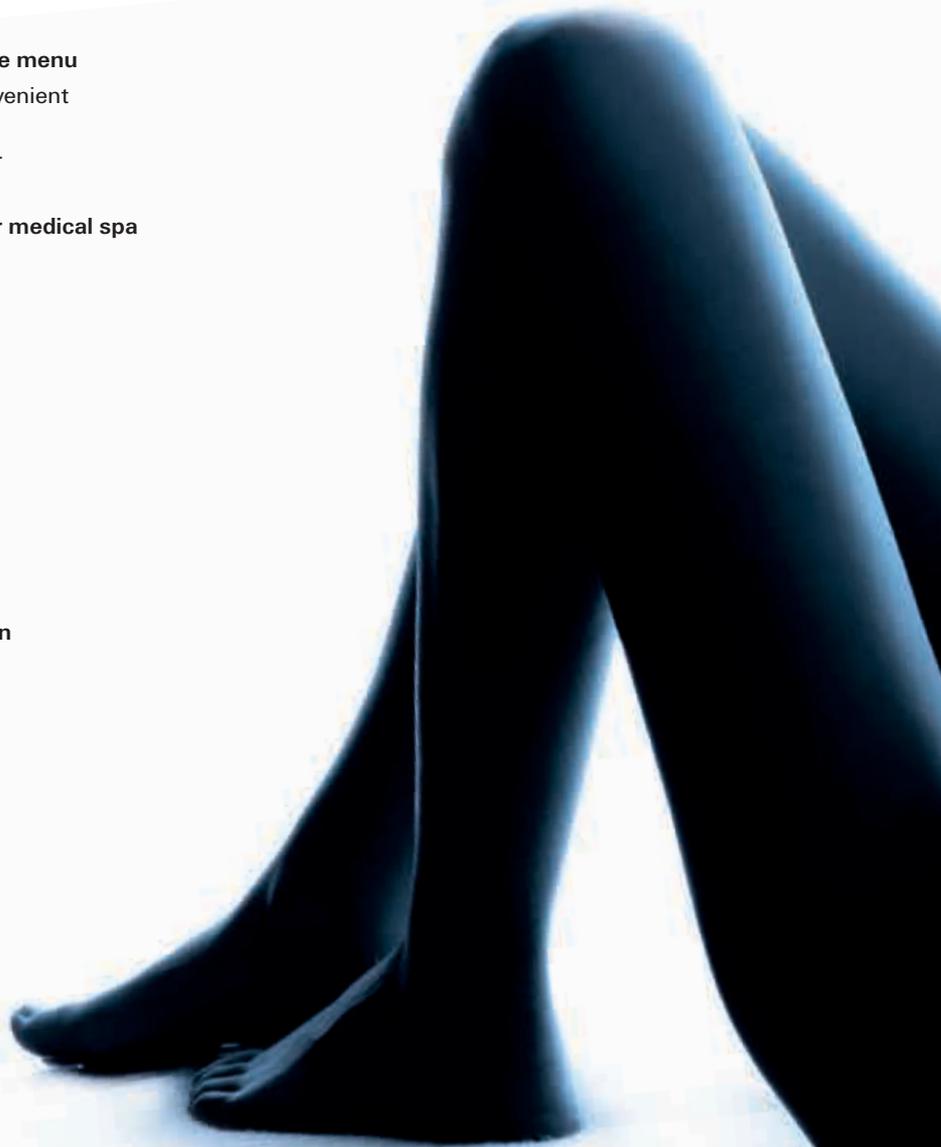
Aquaphoresis Penetration White Paper available on request

- ◇ **Excellent aesthetic results on any skin type**  
Predictable results with minimal contraindications or risk
- ◇ **Fast return on investment**  
High value service with primary investment returned in shortest possible time frame
- ◇ **May be delegated to trained personnel**  
Frees up physician or nurse time
- ◇ **Eliminates problems with injection mesotherapy**  
No bruising, no edema, no risk of infection, no pain
- ◇ **Easy to learn, easy to operate**  
Allows operators to perform back to back treatments without exertion or fatigue
- ◇ **Full treatment flexibility – body and facial treatments**  
New applications may be added via unique free upgrade program  
Maintains the value of the investment and adds new revenue potential
- ◇ **Easy to integrate into existing service menu**  
Treatments may be scheduled for convenient 30 minute sessions  
Allows scheduling by a single operator
- ◇ **Suitable for any aesthetic practice or medical spa**  
Plastic surgery, dermatology, OB/GYN



**Innovative approach to the composition of Active Substances mixtures results in original formulas containing:**

- ◇ Natural extracts
- ◇ Complex of amino acids
- ◇ Transdermal penetration accelerators



	NO-NEEDLE MESOTHERAPY™ LIPO KONTOUR	NO-NEEDLE MESOTHERAPY™ LED	
Available therapies	Cellulite, Cellulite (extended) Cellulite – High Impact	◇	
	Fat-Dissolve Fat-Dissolve (extended)	◇	
	Mesotonification – Wrinkles Mesotonification – Wrinkles – High Impact	◇	
	Whitening Whitening – High Impact	◇	
	Derma-Lift Derma-Lift –High Impact	◇	
Technical specifications	Therapy programs	78	78
	Total laser output	1800 mW	–
	Laser output at 685 nm	200 mW	–
	Laser output at 830 nm	1600 mW	–
	Red LED light output at 630 nm	–	1600 mW
	Number of electro stimulation outputs	2	1
	Type of cart used	BTL Aesthetics series	BTL Aesthetics / EAT series
	Screen size	8.4"	5.7"



