



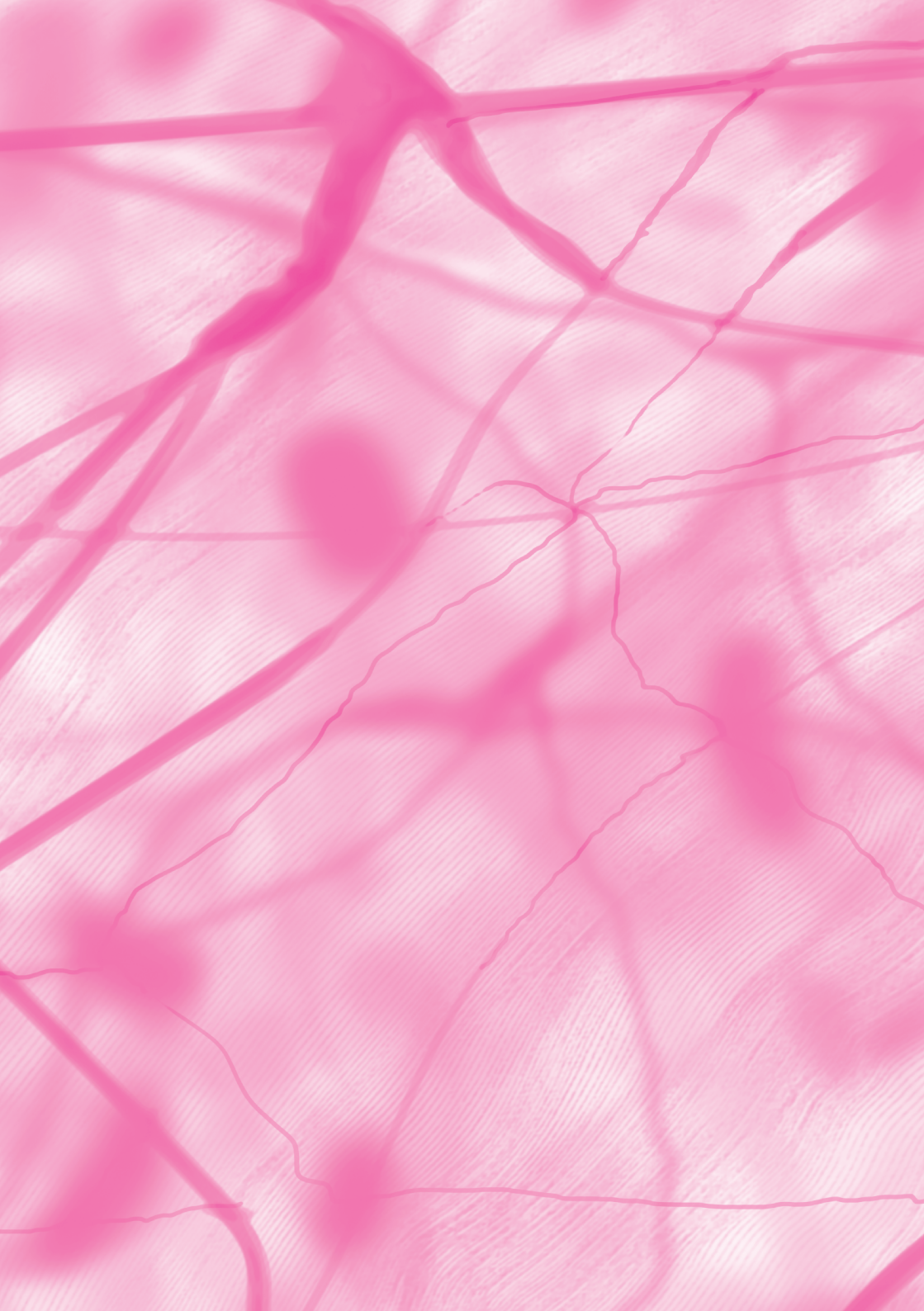
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The science of skin

Multi Micro Alveolar Stimulation:
the unique tridimensional
stimulation from the outside
to the inside
and the clinical results

International Experts Meeting

Scientific Book





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i-Tech Industries s.r.l. plays a key role in Beauty&Wellness and Healthcare market, as manufacturer of the successful product icoone[®], the device to treat the skin and the connective tissue.

We strongly believe in research: our mission is to continuously enhance our expertise and, therefore, we daily invest in improving our technologies to be an innovation leader on the market.

We constantly work to develop new protocols, to evaluate new applications and possible results, with the aim of supporting the icoone[®] users all over the world and of increasing the customer satisfaction.

In the following pages, we are pleased to share the extracts of the presentations held by the doctors at the Scientific Meeting.

The abstracts follow the original order of presentation during the Scientific Meeting.



Dr. Jean-Claude Guimberteau

Plastic surgeon in France, specialized in microsurgical replantation and transplantation. Member of the French Academy of surgery. He was also during 30 years Member of the Aquitany Hand Institute that treats hand trauma and hand chronic diseases. This experience of plastic, hand surgery and microsurgery has made him perform a new procedure for tendon reconstruction with vascularized sliding system.



The tridimensional aspect of the living matter and its anatomical, biological and fundamental implications

"The subcutaneous tissue is composed by a real fibrillar organization at all levels, both inside and between the organs. This organization acts as a supporting framework for the cells, allowing flexibility, mobility and the intersection of fibers within the three dimensional fibrillar architectures from micro volumes called microvacuoles, with inside proteins, glycosaminoglycan and collagen. These fibers possess specific properties: they can stretch, slide and divide without rupture. This allows mobility of the fibrillar network, while endogenous tissue tension enables the pre-stressed fibers to return to their initial position, following the movement.

The skin is composed of polyhedra able to react to the influences since they are submitted to the mechanical actions; the shapes of the polyhedra change and their size increases by 15%; inside the polyhedra there are subunits (subpolyhedra). **The skin is not a simple cover of our body, it is in strong relation with the subcutaneous tissue.** There is a strong connection not only with the nerves but also with the fibrillar network. By studying the subcutaneous tissue, we can observe the existence of a fibrillar harmony which is both surprising and disturbing, as the arrangement of the fibrillar network is completely irregular, chaotic in appearance and it penetrates the dermis and hypodermis. **There is a complete continuity.**

No separate layers. The connective tissue penetrates the fatty lobules determining their shapes.

The fatty lobules have different colours: reddish, yellow, brown. The fibers of the connective tissue are not simple fibers; they are organized with other sub-fibers as fractalized sub-units in a network. At the same time, the cells move under the influence of the fibers. They are in contact with the fibers, there are no free cells.

They are integrated in the fibrillar system and we cannot separate the cells from the fibers without a violent action. **There is an intimate relation between cells and fibers,** it is a perfect continuity. When you move the fibrillar system, inevitably you move the cells. When you move the skin the cells' shape changes.

The mechanical action can change the cells shape in the three space dimensions.

Also there is continuity between the fibers and muscles. Inside the muscles it is present the sliding system.

It is completely chaotic in the shapes, as it is not Euclidian geometric. **The multifibrillar, microvacuolar network appears to be an ocean of apparent disorder, that generates the order of life.**

The fibrillar tissue exists and its entirety and continuity gives the meaning and the definition to the term «Fascia».

The result of the fibers crossing in the space is the microvacuole with inside proteins, glycosaminoglycan and collagen. The microvacuoles move because fibers move and the mechanical action is therefore absorbed.

This architectural fibrillar network previously known as «Connective tissue» is actually «Constitutive tissue».

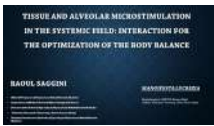
There is a concept of globality. "

i-Tech: "The Multi Micro Alveolar Stimulation is able to stimulate the microvacuoles, creating a three dimensional stimulation, enhancing the fibers gymnastic and generating different actions at all levels: from the surface to the deeper tissues".



Prof. Raoul Saggini

Full Professor Physical and Rehabilitation Medicine Department of Medical Oral and Biotechnological Sciences, Director of the School of Specialty in Physical and Rehabilitation Medicine, "Gabriele d'Annunzio" University, Chieti-Pescara (Italy), National Coordinator of Schools of Specialty in Physical and Rehabilitation Medicine



Dr. Lucrezia Mangifesta

Physiotherapist of CORPO53 in Florence (Italy)

Tissue and alveolar microstimulation in the systemic field: interaction for the optimization of the body balance

"The human system is a bio-system with complex motor aims, where homeostasis and segmental static-dynamic functions are inseparable from the general ones. It is a system with a cybernetic model, consisting of a set of subsystems connected to each other, and it is able to communicate with the external environment, thanks to impulses defined as input and output.

The functional and sensory inter-relationship between the various subsystems is allowed by the connective tissue, which forms a ubiquitous network that envelops, supports and links all functional and spatial subsystems.

The connective tissue has a remarkable physiological importance, since it is nowadays considered a functional subsystem that allows the communication between the sensory receptors, the exteroceptors, the proprioceptors and the muscular structures, guaranteeing the balance system. In a healthy body the deep fascia allows adjacent structures to slide one over the other. However, as a consequence of inflammatory diseases occurs the formation of adherent layer which increase internal friction during muscle contraction and counteract the muscle movements and lengthening. **The functional unit of the connective tissue is the microvacuole** and an action on it determines a detachment of the tissues, thanks to the mechanical transduction.

In this mechanical transduction, a mechanical stimulus is received at the soma level by the loose connective tissue and it is processed by the fibroblasts, which are the main components of the fascia. The extra cellular matrix is therefore involved, which, thanks to the presence of integrins and of focal adhesions, transfers the information received to the cell membrane.

This one significantly affects the cytoskeleton with consequent involvement of the nucleus and therefore modification of the cell and therefore of the soma. The treatment with **icoone®** device, based on microstimulations, plays a fundamental role by acting on the microvacuoles.

It allows a treatment of the tissues, **thanks to the mechanic-transduction of the microstimulations that provides a unique mechanical signal then converted by the cells into a biochemical response.** **icoone®** is able to modify the cutaneous composition, with a consequent reorganization and realignment of the dermis layers with modification of the body composition. In this way, it improves the lymphatic flow functions and the circulatory system, by reducing the tissue hypoxic-degenerative processes.

All this leads to a detoxification with improvement of nerve conduction and therefore also to an influence on the subject's muscular tone. **icoone®** is able to significantly **influence the myofascial structures** in relation to the existence of the body tensesgrity. It has an important role also in the **treatment of musculoskeletal and postural pathologies** and its action can be combined with therapeutic systems for the improvement of postural balance, that allow to improve the elasticity and body resistance with the purpose of leading the system in a **condition of global harmony and better symmetry.**

Combined therapeutic systems able to modify and implement the body balance and symmetry are **imoove®** and **SPAD**. **imoove®** is characterized by a platform equipped with an **Elispheric®** movement that reproduces the natural spiroidal movements of the body. It stimulates the biomechanical adaptation of the body, allowing an increase in motor and postural control with consequent improvement in joint flexibility and muscle coordination. The **SPAD** system allows a rehabilitation in a terrestrial microgravity environment and it is based on the concept that, by combining a motor gesture with a sensitive feedback, can be achieved a reconditioning of the motor synergy and body balance.

The microstimulations of **icoone®** can be combined with other applications, in order to recover the connective tissue dysfunctions and to reduce pain and motor disability, typical of postural pain dysfunction."

i-Tech: " The concept of global beauty includes a complete stimulation, from the outside to the inside and vice versa. Nowadays this is possible thanks to the combination of the unique action of the microstimulations with the uniqueness of the **Elispheric®** movement, in order to achieve not only aesthetical beauty but also the harmony of the entire body".

Scientific Book



Dr. Roberto Carniel

Rehabilitation and Sports Doctor



Proprioceptive and exteroceptive stimulations with Elispheric® movement for the static and dynamic function leading to a harmonic body

"Modern society has developed behavioural models primarily based not on the person life quality but on his appearance. The first impact is fundamental, both in work and in social life. In the western population the attention on the body becomes essential to **guarantee mobility in the ageing process**, in order to make the person autonomous until the end of his days.

All those who work in medical and rehabilitative fields are aware that making the patient autonomous is no longer enough; this primary need, that is at the origin of each treatment, leaves progressively space to the need to be **not only efficient but also to move in a beautiful, elegant and performing way**.

In order to obtain these results, it is necessary to start from an evaluation of the individual, both physical and psychic. First of all, we must understand that the subject is motivated by a primary or a secondary need. By "primary" we mean a great awareness of himself, with the idea that the self-being comes first and the physical aspect becomes there fore predominant. By "secondary" we mean the fact that the individual is pushed by others to carry out the proposed activity, like family members, partners or friends. In this case the work of the trainer will be more complex because he will have to help the patient in finding his motivations.

The right balance is an optimized relationship between the subject and the environment, where the subject assumes a series of ideal postures with respect to the environmental situation. Without proper posture there can be no good balance. In body dynamics, a series of postural adjustments on muscle tone must be performed in order to maintain a stable position and to remain upright, by keeping the various parts of the body in line with each other, or to perform a movement. These adjustments have three behavioral functions: to hold the head and the body against gravity and other external forces, to maintain the center of gravity of the body mass aligned and balanced within the quadrilateral supporting the ground, to stabilize the body parts that act as a support when other parts are in motion. To improve our re-educational work, we will use for our treatments a platform with an Elispheric® movement, that is spread around the axis of the spine and throughout the muscular and articular system and it allows us to reproduce the natural spiroid movements in three dimensions, stimulating deep proprioception to restore the natural balance of the body.

The functional exercises proposed with the Elispheric® platform exploit the instability of the medium to stimulate and train the motor and postural control of the body. **The recovery of natural balance has positive effects both on aesthetic and global-health level**. For the aesthetic part, the use of devices such as icooone® to improve vascularization and the dermis imperfections becomes important to complete the action.

The combination of these tools will allow the doctor and the physiotherapist to obtain those results that we have set in the introduction, that is the physical well-being associated with the beauty of the body, a fundamental basis for the eternal youth."

i-Tech: "The concept of harmony is a result of proportioned shapes, good skin quality, good posture and coordination. This is why we have to guarantee the global beauty with innovative and unique technologies."



Dr. Yana Kocherzhynska

Doctor of Body Sculpting and Health Eating,
Test Imu Pro, at ESTE + DERM Clinic

КОСМЕТОЛОГИЧЕСКАЯ КАМИННА
ESTE + DERM



The combination of the Multi Micro Alveolar Stimulation with other applications for the rehabilitation and body remodelling

"The new way of treating the body is moving towards the use of technologies and it is not easy to find devices that are able to treat it in a natural way. We have discovered Roboderm® technology as a gentle and efficient technology that is also very friendly. In fact, in our experience we are using the icoone® device to enhance the results obtained with other applications. Roboderm® technology is based on Multi Micro Alveolar Stimulation (MMAS) that provides not only external improvements of the body, but also helps to restore strength and improves the life well-being conditions in the megalopolis.

Lymphatic drainage assures tissue cleansing at cellular level, and therefore, provides detoxification to the entire body. And even when we do not perform procedures on the face, we notice an improvement in the patient's appearance immediately after the procedure. Furthermore, the Multi Micro Alveolar Stimulation is customized for each skin type and our patients love it because the feeling is nice and relaxing.

We strongly believe in a natural approach for the skin treatment and this is the reason why we choose the Roboderm® technology to give a plus to our protocols.

In our daily clinical practice, we use cavitation and lipolytics. These are two methods that contribute to the destruction of fat cells. After that, we recommend the use of icoone® that activates the microcirculation and stimulates the removal of fatty acids from the treated area through the circulatory and lymphatic systems. At the same time, stagnant fluid is removed from the tissues. During the procedure, the metabolic processes in the tissues are improved, which leads to a decrease in excess of fat deposits, in orange peel effect, as well as to an improvement in the body contours. When we use radio wave lifting in combination with icoone®, we get the synergy effect of these two techniques. After all, an intense radio wave effect on tissues stimulates fibroblast cells that synthesize the "substances of youth" of the skin - elastin and collagen. Lymphatic drainage component eliminates the cellulitis. **The Multi Micro Alveolar Stimulation improves metabolic processes in tissues, stimulates cellular renewal processes, increases elasticity and resilience of the skin, induces the production of collagen and elastin.**

The combination of all these factors leads to an increase in skin elasticity and a pronounced lifting effect.

We apply the icoone® treatment before the fractional rejuvenation procedure.

Thus we can initiate cellular regeneration, increase blood supply, eliminate toxins and stimulate collagen genesis. Fractional polishing stimulates thin channels in the skin, removes parts of old scar tissue and stimulates the growth of young healthy cells. Using the microstimulations we reach a lot of benefits, also in very hard skin conditions, as loose skin, post pregnancy abdomen, painful areas.

The secret of the beauty is the natural approach. This is why the world is moving to not invasive treatments."

i-Tech: "The MMAS is a very friendly stimulation. It is possible to combine it with other applications in order to enhance the other effects and to achieve long lasting results. "



Dr. Frank Dillon

Dentist, Inventor of patented Stabident and a device to diagnose Bruxism in collaboration with the Medical Devices Design Group in University College Dublin



Medical applications of microstimulations for face and neck

"Every time we can hear about body treatments and in the last time it is possible to hear also about neck and face treatments. The approach of the face and neck treatments finds a lot of solution in the market.

Continuously people asks treatments for facial wrinkles or other kind of blemishes. One of the most common application used is the Botox. In 2017, over 7 million Botox injections were administered in the US.

It can now be stated that after 30 years of use, Botox is safe to use. Botox is widely used to reduce wrinkles as well as for other conditions like hyperhidrosis and bruxism. Many people may wish to have their facial wrinkles treated but decide against Botox injections.

The reasons for this may include: needle phobia; not keen to have any unnecessary drug injected into them; look for a less expensive and more "natural" treatment.

In order to replace Botox, is it possible to approach a non-invasive way to treat the skin thanks the microstimulations with icoone® device. In order to allow it, the patient has to accept that they are two different treatments and we have to consider that icoone® is a **non-invasive treatment and there are no side effects**. An icoone® session also equals a very pleasant facial massage. So we move on to other medical uses of icoone® for the face and neck.

Acne is estimated to affect 9,4% of the global population, making it the eighth most relevant disease worldwide. Epidemiological studies have demonstrated that acne is most common in post-pubescent teens, with male as the most frequently affected, particularly with severer forms of the disease. Recent investigations highlighted important psychiatric comorbidities – specifically, depression and suicidal risk – affecting a large proportion of patients with acne. One common treatment for severe forms of acne is Isotretinoin.

Initially, it was thought that the use of Isotretinoin increased the risk of anxiety, depression and suicide ideation but a later French study challenged this and stated that provided the patient has routine psychological screening, Isotretinoin can be prescribed. Whilst the treatment is effective in preventing new outbreaks of acne, the patient is still left with the residual scarring from previous episodes of the disease.

We tested the use of icoone® on the face and neck and it is a perfect complement to the treatments already provided and could include: scar reduction - including acne scarring, anti-wrinkle treatments, facial massage.

Carrying out an icoone® face or neck treatment takes about the same amount of time as a filling.

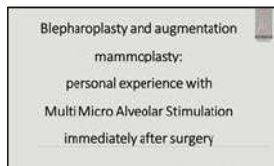
icoone® treatments promise a pleasant experience and it is also a great support for the dental clinic in order to support the work, as preparation to the dental procedures and as recovery"

i-Tech: "Microstimulations are of great help especially when of people decide to approach natural and non-invasive treatments. The results are natural, following the real beauty and respecting the physiology of the body and face."



Dr. Matteo Marino

Specialist in plastic, reconstructive and aesthetic Surgery



Blepharoplasty and augmentation mammoplasty: personal experience with Multi Micro Alveolar Stimulation immediately after surgery

"Each aesthetic surgical intervention is structured in 3 steps: pre-surgery evaluation, surgery, post-surgery recovery. During the pre-surgery evaluation, the surgeon creates the project, according to the wishes honestly and clearly discussed between him and the patient. The surgeon will decide the type of intervention needed to realize the patient's desires, mentioning also which results could be obtained, which complications could occur and which could be the post-operation progresses, in order to offer the most realistic scenario to his patient. During the surgery, the surgeon realizes the project discussed with the patient in the «pre-surgery evaluation». This step starts and ends inside the operating room. After the surgical intervention starts the post-surgery step which is a long and psychologically delicate period that ends only when the patient has completely recovered. The post-surgery is a very critical moment because there is a severe inflammation (redness, heat, swelling, pain, functional impairment) and our goal is to reduce the recovery time with the aim to give a complete support to our patients. In my experience as an aesthetic surgeon, **I strongly believe in the post-surgery recovery.** This period is a very important and delicate moment and therefore, it must be treated carefully, professionally and in close contact with the patient. An adequate post-surgery anti-inflammatory therapy and a correct post-surgery treatment program can help to: speed up the recovery of tissues subjected to surgery (reduction of hematomas and edema); reduce painful symptoms; minimize post-surgery possible complications; improve tissue quality (elasticity and scar appearance); maintain a continuous relationship with the patient in a psychologically delicate period. In this way the satisfaction level of the patient improves. Lately, I had the possibility to approach the icooone® Laser device and I saw incredible effects after surgery. In my daily clinical approach, I treat a lot of cases, from blepharoplasty to mammoplasty, and in all of these I use the power of the microstimulations. It is a gentle way to approach patients that were subjected to invasive operations. Also, in this job we have to consider the psychological impact and with icooone® we are able to give wellness and pleasure to our patient. Considering blepharoplasty, which is a very delicate operation because it interests a delicate and non-disguising area, it is essential to accelerate the recovery and the return to normal social life as fast as possible. The same applies to mammoplasty, since it affects a very delicate area for woman, and we have to accelerate the recovery after the surgery to increase the quality of our patients' life. In all of these cases, with microstimulations I had the possibility to give to my patients customized treatments according to their sensibility, skin condition and tissue congestion. What mainly impressed me was that **the microstimulations not only help the recovery**, but bring a lot of benefits: **improvement of the quality and elasticity** on the treated skin; **absolute gentle and painless** (this was a great plus in the post-surgery period); **fast treatment; very easy to use; customized protocols and increased patient loyalty.**"

i-Tech: "A delicate and efficient stimulation that allows to reach the smallest areas of body and face. Thanks to the MMAS, it is possible to treat the tissue already after few days from the surgery, in order to speed up the recovery time."



Dr. Mariia Kozyreva

Therapist, reumatologist
Clinic of Yutskovskaya Moscow



Multi Micro Alveolar Stimulation in the daily clinical practice of rehabilitologist

"Rehabilitation is a set of activities designed to ensure that people with impaired functions - resulting from diseases, injuries and birth defects - adapt to their new conditions of life in the society in which they live. The goals of the rehabilitation are: comfortable and minimal recovery period; minimization of the risk of adverse events; increasing the invasive correction method safety; enhance the positive effect of invasive procedures. In order to support the rehabilitation, it is possible to use devices or other applications in order to enhance the effects but also to give a great support to the therapists. The aims of the device in this sense are: local improvement of blood circulation; activation of interstitial fluid circulation; increased oxygenation and cell metabolism; stimulation of the fibroblasts mechano-sensory channels; indirect lipolysis in adipocytes. Another important thing is to considerate the kind of stimulation we want to combine, because it is better to avoid invasive treatments in favor of natural and physiological therapy. The Multi Micro Alveolar Stimulation is a gentle and non-invasive stimulation based on the mechanical action of the microstimulations able to stimulate the connective tissue in a very unique way.

This innovative stimulation is combined with the power of two light sources, Laser 915nm and Led 650nm, to empower the results always respecting the body and the natural approach.

icoone® Laser is the device that guarantees these stimulations and its goals combined with the postoperative period invasive procedures (liposuction, surgery) are: stimulation of tissue regeneration; lymphatic drainage; improvement of skin quality; reduction of tissue volume.

A great and effective action is given also for edema and pain syndromes: improving the lymphatic drainage; stimulating the ischemic zones microcirculation; providing with an analgesic effect; activating the proprioceptors and guaranting a global action.

In our activity we are using the Multi Micro Alveolar Stimulation also in combination with taping, in order to have a synergic action, to work focalizing on the target tissue and to prolong the effects.

Also it has a great effect on the edema and pain treatment, in order to reactivate the muscle functionality and relief the pain. The Multi Micro Alveolar Stimulation with Laser and Led is very useful to prepare the body to invasive procedures (as liposuction or surgery), in order to drain the tissue and to soften it.

After the procedures, the microstimulations help to smooth the tissue and to restore the good harmony and quality of the skin. **The concept of the naturalness** and non-invasive is very important especially because we are in the time of the invasive treatments and people need to find their **natural health and beauty**.

Our job is to find solutions and valid therapies to guarantee that."

i-Tech: "One of the most important highlights of the Multi Micro Alveolar Stimulation is the possibility to be combined with other applications because it is a non-invasive way to stimulate the connective tissue and it is able to guarantee the natural beauty following the needs of each person"



Dr. Frederic Dubayle

Physiotherapist, Developer
of new physiotherapy techniques

EXIKAR
TRAINING SYSTEM



Roboderm® technology: applications with the two hands

"The physiotherapist profession is mainly exercised with the hands and it is not easy to find valid alternatives to them. I approached Roboderm® technology that is an innovative approach in the world of the devices because it is a technology that allows to work with the two hands. For this reason, by working with Roboderm® you don't have the perception to use a device because it is very similar to a manual massage. Roboderm® technology based on microstimulations acts on the connective tissue fibers. **Connective tissue is a mechanical transducer** and it is able to transmit the mechanical information to all deeper tissue layers. Furthermore, we have to consider that the plus of the icoone® device is to have at your disposal various headpieces suitable for the treatments on different areas of the body and of the face. It is always possible to adapt the treatment and there are no areas that Roboderm® cannot stimulate (tendons, ligaments, hands).

Thanks to this device, it is possible to give **21.600 microstimulations per minute**. It helps the rehabilitation by reducing the times. icoone® is a device for many kind of applications, not only in the aesthetic field but also in the healthcare. It offers applications also for athletic preparation (for any sport) working on the muscle physiology. By working with the two heads, it is possible to cause a stretching action. This helps for the skin mechanization and it represents an evolution in the treatment with mechanical device. In the treatment of the scars we have to consider the scarring tissue inflammation. In case of inflamed scar we don't pass on the scar with the microstimulators, but the goal will be to drain and soothe because the tissue is delicate. In any case, the feeling of the patient has to be good, not painful or stressful. The skin has to be treated gently.

Another important application is before the surgery; this is important to prepare the tissue to the invasive treatment in order to make it softer and drained. The use of the two heads also gain importance in the treatment of the lymphatic system, in order to work in a symmetric way and to stimulate at the same time different areas of the body, saving time and giving the feeling of the manual massage. The results are incredible especially because **the stimulation is not aggressive and respects the body system, its physiology and anatomy**.

Thanks the two headpieces it is possible to make a stretching on the fascia.
With the two headpiece we can also perform preventions actions improving tissue oxygenation and skin nutrition. The two hands associated with the Roboderm® allow a tissue biomechanics of the fascias.
3D mechanics with the possibility to associate, oppose, seize, mobilize and move in the same moment.
This means: Biomechanics tissue-biomechanics cellulaire-biomechanics circulatory".

i-Tech: "The use of the two headpieces at the same time allows to feel the natural sensation of a manual massage. It is very comfortable for the customers and at the same time for the operator because it doesn't



Dr. Maria Angela Paladino

Biologist, Scientific Director at i-Tech Industries srl

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Evaluations of the daily applications and of the results obtained with the microstimulations

i-Tech Industries heavily invests in research and development. This has led to the birth and growth of the clinical department, that ensures training support - not only for teaching how to use the technology but also for post-training support and for the development of new protocols - simplifies the approach to training and promotes continuous contact with icooone® users.

Furthermore, it deals with scientific research for the development of collaborations with doctors using microstimulations and with the validation of clinical results coming from icooone® users worldwide. The results are the strength of icooone® because, thanks to microstimulations, we are able to achieve excellent results even in the most difficult cases - such as laxity and loss of tone - or in the smallest areas of the face and around the eyes.

Thanks to the wide range of face and body applicators, each area can be stimulated in a natural way, restoring the natural beauty and well-being of the subcutaneous tissues.

By stimulating the connective tissue, our approach is delicate and respectful of every skin type and above all microstimulations allow to stimulate the smallest part of the tissue in a specific and precise way.

The Multi Micro Alveolar Stimulation generates a global action, from the surface to the subcutaneous tissues, in order to activate the natural cell metabolism and to promote regeneration and tissue harmony.

These effects can be recorded through photographic material, but also through older methods, such as thermography.

The power of microstimulations is combined with the photonic action of the 915nm Laser and the 650nm Led.

This is a winning combination especially for remodeling applications, localized fats, but also in cases of tissue toning and oxygenation. **Our mission is to respond to the real needs of people**, not only aesthetical but also concerning the well-being. Therefore, we have created a concept that aims at the beauty of body and mind: i-boost® Active Beauty.

In this new vision, icooone® results are joined to the i-boost® results - a technology that through the Elispheric® movement leads to a more harmonious body, which finds its dimension in space. The concept works in a global manner, by stimulating from the inside to the outside of the body and vice versa through specific treatments aimed at accelerating the skin regeneration process and health of the body, by acting directly on muscle tissue to achieve visible perfection. It enables to combine the aesthetic beauty and a good skin quality with the correct posture, the shapes harmony and the balance between body and mind.

It is a concept suitable for every type of person, respecting his anatomy and needs.

A beautiful body needs to be also a healthy body, in order to reach the global balance and beauty.

What is important is to **customize the treatments** according to the real needs of the customer in order to guarantee the



Dr. Jean-Claude Guimberteau

Plastic surgeon in France, specialized in microsurgical replantation and transplantation. Member of the French Academy of surgery. He was also during 30 years Member of the Aquitany Hand Institute that treats hand trauma and hand chronic diseases. This experience of plastic, hand surgery and microsurgery has made him perform a new procedure for tendon reconstruction with vascularized sliding system.

The fibers, extracellular matrix and cells observation under the action of the Multi Micro Alveolar Stimulation on normal and scarring tissues: a study by Dr. M.A. Paladino (i-Tech Industries), Prof. Guimberteau and Dr. E. Sawaya

"We have conducted a test in surgery at Hospital Saint Marten in Bordeaux with the goal to see what happens in the subcutaneous tissue under the action of the Multi Micro Alveolar Stimulation by the **icoone®** device. The test was conducted following the observation both in a normal and in a scarring tissue, in vivo on the cutaneous and subcutaneous structures. By observing the surface of the skin it is possible to see the propagation of the microstimulations not only in the layers right under the headpiece but also in the farthest tissues. The Multi Micro Alveolar Stimulation has an incredible effect in few minutes and it is possible to compare the polyedric structure of the treated and non-treated skin: **non-treated skin appears more stressed while the treated skin is smoother**. This action of **icoone®** allows to observe the gymnastics of the cutaneous polyhedra of the skin, which are in relation to the dermis and the hypodermis. There is also an incredible effect on the vasodilatation of the papillary vessels and an unmistakable blood flow: the Multi Micro Alveolar Stimulation is **improving the blood flow**. By observing the subcutaneous tissue in a normal skin we can see that everything is in movement: the epidermis and the gymnastics of its grooves, the papillary vessels of the vertical dermis then bent, the lobules of the hypodermis which are tossed to the rhythm of the machine up to the muscular aponeurosis which also participates in this commotion. **Everything is connected and therefore in movement**. Movement is felt up to the slightest fiber and in the 3 dimensions of space. The cells sheltered by the fibrillar network are also shaken both in group and also individually, as the pericellular framework moves the cell as well as the blood vessels carrying energy. But how is the Multi Micro Alveolar Stimulation working on and under the surface of the scarring skin and of a scarring tissue? In the subcutaneous visualization without microstimulations it is evident that there is no movement. We can see that the fibrotic tissue linked to the scar is fixed. Under the effect of the microstimulations the action on the subcutaneous tissue were incredible: superficial movement and propagation on all superficial areas; **tridimensional stimulation** in all directions; papillary vessels movement; fibers movement; adipose lobules movement; cells movement. All of that is translated in the **mechano-transmission from superficial area to deeper and lateral tissues**. When we deal with a very hard tissue, like a fibrotic scar, the microstimulation is not aggressive for the tissue and we can stimulate until the scar lesion's borders. The fibers change their structure, by stretching and extending the length, **improving their shapes and changing the diameter**. These changes are translated in distension of the collagen and the **microvacuoles network is also influenced**. **This is a mechano-transduction creating an increase in the mechanical behavior**. Cells are linked with this mechanical behavior, they can slightly change the shape and this microstimulation could have an incidence on the proteins production. It is evident that the propagation of the mechanical action through the fibrillar network is passed onto the other tissues, fatty lobules, veins, arteries, nerves, lymphatic system. The microstimulation is able to stimulate the smallest part of the tissues from the surface to the deeper tissues. The advantages of the Multi Micro Alveolar Stimulation at all the levels, improving all the capacities of the fibrillar frame, our interior architecture, are well observed and it can't be denied that they are efficient to restore the original condition of scarring tissue. **The benefit of a three dimensional treatment with icoone® assume all its meaning."**

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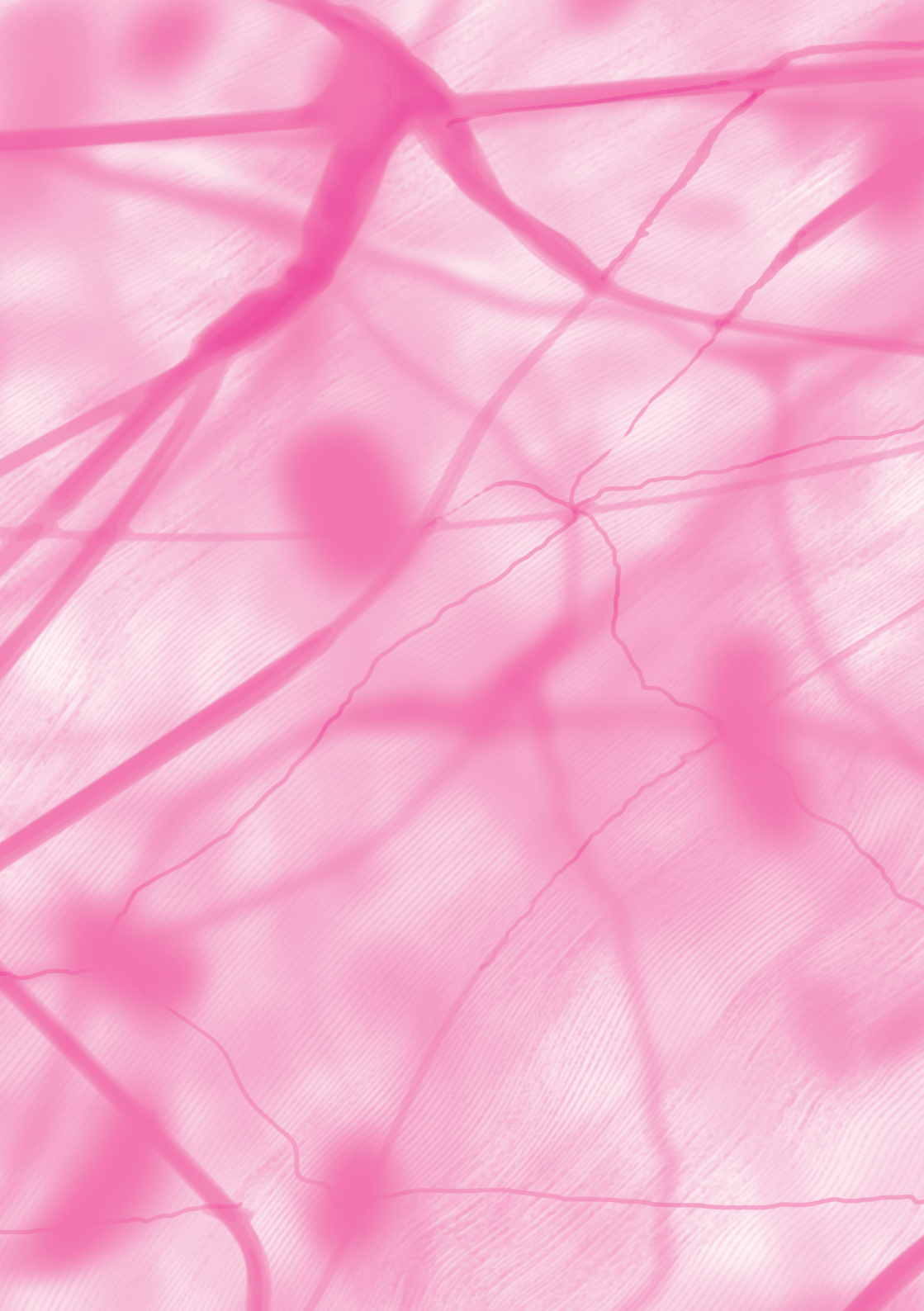


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