

More precision and less pain

New concept to eliminate wrinkles, using fiber optics, offers greater precision to health care professionals and less pain to patients.



Wrinkles have always been great enemies of women's beauty and their complete elimination has never been a simple task.

They result from repeated muscle contraction over the years and are most common around the eyes, forehead and lips. The so-called static wrinkles are the result of the aging of the skin, even though environmental factors and a person's lifestyle may accelerate their development.

The main factors that contribute to the onset of wrinkles are: smoking, stress, prolonged exposure to sunrays and changes to female hormones (estrogen).

There currently are various types of lasers in the market that act effectively in the treatment of wrinkles, but a new concept for these types of treatment promises to improve them even more.

The LIS® (Laser Intradermal Stimulation) is an innovative laser therapy concept, patented by dermatologist Samir Arbache, of Dermocentro, in São José dos Campos (Brazil).

This technique is innovative and its advantages

are many in comparison with the conventional treatment.

By using optic fibers, which are introduced in the dermis or subcutaneous tissue, the procedure prevents the epidermis from being damaged or being affected by the therapeutic light.

The medical professional is also allowed to introduce these fibers at the desired depth, thus making the treatment be more selective.

In order to obtain the same results as those of the conventional treatment, various types of laser are required, each with a specific wavelength.

Even so, most of this therapeutic light is lost in the epidermis, by means of coolings or coupling gels, i.e., only a small fraction of the energy actually reaches the target.

"In order to perform the LIS successfully, the physician needs to carefully study the face, by marking and correcting the already onset wrinkles, besides also working on the wrinkles to be formed", Arbache explains.

The procedure is painless, with only a slight

heating at the treatment location. Since it does not permeate the epidermis, the possibility of scarring sequelae is diminished.

Safety and effectiveness

The main characteristics of the LIS procedure are its safety and effectiveness. The employed fluence is much lower than that used in conventional laser treatments, without decreasing the effectiveness of the final result.

The LIS can be done at any time of the year, even when the patient is sun-tanned, and on any type of skin.

The first equipment developed for this technique is the Diode-Pro Laser (980 nm diode). It is a surgical laser that issues light through optic fibers. Since it is an invasive procedure, only a qualified physician can perform the treatment.

"This technique can also be safely used to remove tattoos and hair", Arbache concludes.



Laser Intradermal Stimulation

MAIN ADVANTAGES OF THE LIS

- Since it avoids damage to the epidermis, it does not cause residual spots or scars.
- The LIS is extremely selective for wrinkles.
- The LIS is painless, where the patient only feels a slight heating at the location.
- It can be used during any time of the year and on black people.
- The LIS can also be used to remove tattoos and hairs.
- No foreign substances are injected into the body (filling and/or toxins).



Dermocentro