

CO₂ fractioned laser: a very useful and safe innovation for skin rejuvenation

Technology improves every day. In particular in the field of lasers, we had an exponential revolution in those past few years.

Equipment that were updated last year, today are obsolete and the last generation machines allows very good results, in view of safety and possible collateral effects that are almost null.

With the old equipment, old lasers, we used to shoot with a bazooka, and the risk to have side effects was pretty high. The ability and caution of the operator were fundamental.

Today we have machines that control themselves before starting; we can decide how to injure at what depth and what time apart from one injury to another.

From a complete exfoliation of the cutaneous layer that we had with the old CO₂ laser, we now have reached a controlled exfoliation in which the ray of the laser is fractioned only on some small parts of the skin, placing at the distance we want. This technology is names CO₂ Fractioned Laser.

This procedure highly reduces the thermal effect and so the side effects, due to the burning of the tissues with the possibility to have scars, are now equal to zero.

Even the follow up reduces, but especially has become uniform, for which we can now give a completely safe timetable: in 5-7 days, the scabs come off and the patient is back to his normal life.

Beside, the production of collagen is highly stimulated: in few days those mechanisms that allow a complete recovery are activated.

To improve the recovery and have better effects, I use the PRP, Platelet Rich Plasma, who allows a quicker recovery.

How concentrated Platelets work?

Very easily: we draw some blood before the laser. With a sterile Kit, the blood is centrifuged and the platelets are separated from the corpuscolated cells.

The obtained platelets, together with the plasma, are immediately used on the injured skin, and brushed where the laser hit the skin. This activates, in an exponential way, the mechanism of repair and activated the fibroblasts. There is not any risk of infection or transmission of diseases, since it is a procedure that is executed immediately in front of the patient, using only the patient's material.

It is important to use sterile Kit dedicated to this procedures, that will cost more, but will give total safety of sterility and results.