



# SKIN ABLATION SURGERY

FOR DERMATOLOGY AND  
AESTHETIC MEDECINE



CESARE  
QUARANTA

TECHNOLOGY  
OF EXCELLENCE  
MADE IN ITALY

# Plasma 4.0<sup>®</sup>

NEW FORM FOR AESTHETIC MEDECINE



# Plasma<sup>®</sup>4.0<sup>®</sup>

## WHAT IS PLASMA 4.0

**Plasma 4.0** is the **medical device** that exploits the principle of radio frequency to generate the “**formation of plasma**”. Thanks to its technology, **Plasma 4.0** allows you to operate **safely in different medical areas** - including **aesthetic medicine, dermatology and oculoplasty** - and guarantees to the patient, effective, minimally invasive and minimally painful treatments.

**Plasma 4.0**, thanks to its technical characteristics and the technology used, is a **high-end device** the use of which is **reserved exclusively to medical personnel** with excellent training and specialization in surgery that consists in the transformation and correction of biological tissues, in particular of the skin.

With **Plasma 4.0** you can **mitigate and treat most skin lesions and perform specific surgeries** through electric arc dermabrasion.

The device is equipped with a sterile needle and the simple yet practical design makes the object ergonomic and easy to handle for the operator, increasing thus the handling and flexibility of action during the treatment. The device is powered by lithium-ion batteries rechargeable in a few hours.

\*the information contained in this document is aimed at health care professionals and / or medical professionals



**LIGHT GUIDE SPINDLE**

illuminates and facilitates the operator



**EFFICIENT PERFORMANCE**



**LONG LASTING BATTERY**

up to 5 days demonstrated with internal laboratory tests under adverse conditions



**FAST CHARGING**

simple to perform



**DISPOSABLE NEEDLE**



**"FREEHAND" PLASMA PEN**

without need for other media



**16 PROGRAMS**

adjustable in intensity based on the type of treatment



**USER INTERFACE USER FRIENDLY**

digital calibration on liquid crystal display



Notified Body No. 0476

# Plasma 4.0

HIGH LEVEL OF  
PRECISION IN THE  
PERFORMANCE OF THE  
TREATMENT AND FAST  
RECOVERY TIMES



## PATHOLOGIES

The following pathological conditions can be treated with **Plasma 4.0**:

### TREATMENT OF NON- INVASIVE BLEPHAROPLASTY

upper eyelid dermatochalasis, xanthelasma

### REMOVAL OF BENIGN NEOPLASMS

pendulous fibroids, warts, genital warts, exophytic lesions, cherry angioma, dermal nevi, seborrheic keratosis, sebaceous, cysts

### SCAR REVISION

### ACNE SCAR HEALING THERAPY

## IMPERFECTIONS

**Plasma 4.0** is also a **medical device suitable for aesthetic medicine activities for the high level of precision in the performance** of the treatment and fast recovery times treatment of following imperfections\* and other unwanted skin conditions:

### TREATMENT OF NON-INVASIVE BLEPHAROPLASTY

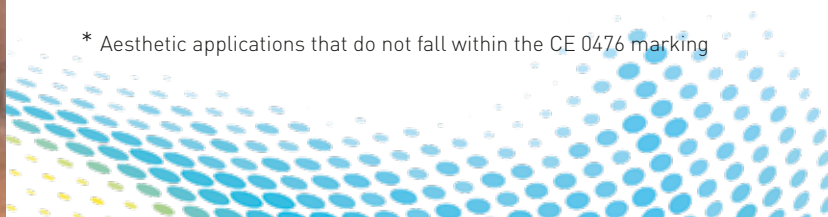
eyelid skin laxity\*

### REVISION OF SCARS FROM PHOTOEXPOSURE AND PHOTOAGING\*

### TREATMENT OF RHYTIDOSIS

wrinkles of the skin\*

\* Aesthetic applications that do not fall within the CE 0476 marking



# RESULTS



# RELIABLE PERFORMING SAFE

CORRECTS SKIN IMPERFECTIONS  
IN A SAFE AND FAST WAY  
STIMULATING THE NATURAL  
REGENERATION OF THE DERMIS.



## OPERATING MODES

ONLY 5 STEPS SEPARATE  
YOUR PATIENTS FROM  
THEIR DESIRES

STEP 1: remove make-up and disinfect the skin;

STEP 2: clean with marsiglia soap and apply (if necessary) the anesthetic cream to the area that is going to be treated;

STEP 3: start treatment with **Plasma 4.0**;

STEP 4: during the treatment always keep the needle at the right distance;

STEP 5: after the treatment disinfect the skin.

# METHOD

Thanks to this system, the doctor works without ever touching the imperfection. The device, in fact delivers RF alternating current, the point-like needle on one side and the skin on the other constitute the two electrodes, while the air between the two acts as a medium of separation. In this way it is possible to supply the treated tissue with energy minimizing the thermal side effects.

The voltaic arc produced and visible to the naked eye, in fact, causes rapid heating of the skin with perfectly controlled tissue ablation and minimized collateral thermal damage. The technology used therefore allows an effective, minimally invasive and minimally painful treatment despite the sensitivity of the treated areas.





## PLASMA 4.0 AND SKIN AGING

One of the most evident symptoms of skin aging is wrinkles: small folds on the surface of the skin caused by the advancing age but not only. The first wrinkles appear, in fact, as a consequence of facial expressions and increase or worsen with smoking, stress dehydration, the sun and drugs, but also because of one's genetic code.

Due to aging the skin becomes thin, drier and less elastic. Furthermore, over time the skin loses its natural ability to protect itself. The first wrinkles usually appear on the parts most exposed to the sun: hands, face and neck.

**For an anti-aging effect you can rely on Plasma 4.0, the non-invasive and minimally painful treatment efficient in eliminating and/or reducing wrinkles and the natural aging of the skin.**

## SYNERGIES: PLASMA 4.0 AND FILLER

For a fresher, radiant and younger skin, the treatment with **Plasma 4.0** can be associated with the application of **bio-revitalizers, bionucleotides and dynamic fillers.**

Thanks to the **synergy with dynamic fillers**, in addition to **rejuvenation** (soft restoration), a **harmonious redefinition of the volumes and contours of the face** is also obtained.



# PLASMA 4.0 VS. COMPETITORS

- + EFFECTIVE
- + FAST IN TREATMENT TIMES
- + PRECISE
- + FAST IN POST-TREATMENT

## THE BENEFITS OF PLASMA 4.0:

- > THE SCALPEL IS NOT USED;
- > NON-INVASIVE, RAPID AND PAINLESS TREATMENTS;
- > IN CASES OF NEOPLASMS, A SINGLE SESSION TO RESOLVE THE IMPERFECTION; OR A FEW RECALL SESSIONS TO MAINTAIN THE DESIRED EFFECT;
- > OPERATIONS WITHOUT ANESTHESIA, NO INCISIONS OR STITCHES, NO BLEEDING;
- > VISIBLE RESULTS AFTER THE FIRST SESSION AND SHORT RECOVERY TIMES. PATIENTS CAN RESUME LIFE NORMALLY AFTER A FEW HOURS;
- > SAFETY: DIRECT CONTACT WITH THE SKIN IS NOT NECESSARY, THERMAL SIDE EFFECTS ARE MINIMIZED;
- > MORE AFFORDABLE PRICES THAN COSMETIC SURGERY.



Notified Body No. 0476



## TECHNICAL SPECIFICATIONS

Power supply	rechargeable battery
Batteries	3
Type of batteries	3,7V 2600mA, mod. ICR 18650 – 26F - Compliance IEC 62133
Exit stage	radiofrequency
Frequency	53 kHz (Wh rating 9,62 Wh x 3 battery)
RF levels	Adjustable from 0% to around 100%
Power IN	≈28 W (Wh rating 9,62 Wh x 3 battery)
Dimensions	225 x 45 x 35 mm
Weight	500 gr
Classification EN 60601-1	Device powered by source internal electrical system type BF
IP PROTECTION	IP 20
Operating conditions	Temperature -10°C - +35°C Humidity from 0 to 85% without condensation Atmospheric pressure from 600 to 1060 hPa
Conditions storage and transportation	Temperature -10°C - +35°C Humidity from 0 to 85% without condensation Atmospheric pressure from 600 to 1060 hPa
Compliance	Directive 93/42 e s.m.i.

# CERTIFICATIONS



PLASMA 4.0  
IS A CERTIFIED  
MEDICAL DEVICE,  
PRODUCED IN ITALY,  
BY CESARE QUARANTA SRL,  
ISO9001:2015 AND  
ISO13485:2016  
CERTIFIED COMPANY

TECHNOLOGY  
OF EXCELLENCE  
MADE IN ITALY



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Q U A R A N T A

**CESARE QUARANTA s.r.l. Unipersonale**  
Via Legnanino, 5 - 10023 Chieri (TO) Italy - +39 0119472132  
[www.cesarequaranta.com](http://www.cesarequaranta.com) - e-mail: [info@cesarequaranta.it](mailto:info@cesarequaranta.it)