



INDIBA[®]
revitalizing lives

DEEP CARE

Medical Technology

In the service of
the most intimate beauty

Single-use
capacitive
electrodes

Temperature
control

OLED
screen

On / Off

Start / Pause

Power
controls

Ergonomic holder





INDIBA®
PLUMA
(Intracavitary handle)

INDIBA® Medical Technology

Increasingly, society is shedding the taboo concept of talking about gynaecological treatments and procedures, whether cosmetic or medical.

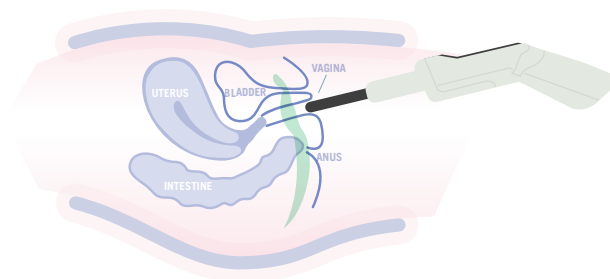
Women today are more likely to undergo minimally invasive procedures to improve aspects of genital health and beauty.

That is why at INDIBA® we have developed a new tool, the intracavitary handle specifically designed for gynaecological treatments. The intracavitary handle increases precision and safety thanks to the built-in temperature control, and single-use CAP (capacitive) electrodes, resulting in a safe and effective treatment for patients.

The PLUMA (intracavitary handle) and the single-use longitudinal electrodes can be used in the treatment of vaginal rejuvenation, urinary incontinence due to stress, sexual dysfunction and menopausal genitourinary syndrome and related problems.

The temperature-controlled PLUMA (intracavity handle) and the new single-use CAP longitudinal electrodes are compatible with INDIBA® Deep Care range. Our equipment is based on the proven 448kHz Monopolar Capacitive-Resistive Radiofrequency (RFMCR) technology. Working at a frequency of 448 kHz generates three biological effects: biostimulation, vascularisation and hyperactivation.

These processes increase cellular metabolism, blood flow and circulation, while also improving cellular and tissue oxygenation.



The PLUMA (intracavitary handle) features temperature control for maximum patient safety. The single-use longitudinal electrodes are packaged in individual bags, allowing you to work in optimal hygienic conditions.

Indications and testimonials

Our tools are designed for genital health and beauty treatments, applying radiofrequency current through tissues, with or without thermal effects, achieving results in:

Urinary incontinence due to stress

Promotes collagen contraction, neocollagenesis and vascularisation. Revitalizes and restores elasticity and moisture to the vaginal mucus. Increases quality of life.

Sexual dysfunction

Strengthens the tissue and musculature of the vaginal canal, improves local micro-flow, increases sensitivity, induces lubrication, promotes arousal and orgasm and reduces pain.

Menopause genitourinary syndrome and related issues

Increases the supply of DHEA, a hormone that is a precursor of oestrogen, by stimulating local blood flow. Reduces vaginal dryness and its after-effects (burning, itching). Improves dyspareunia and facilitates sexual intercourse.

Vaginal rejuvenation

Improves the elasticity and moisturisation of the area as well as its turgor thanks to the cellular regeneration of the epithelial membranes. Encourages denaturation of pre-existing collagen and stimulates new collagen formation, which in turn reduces vaginal laxity and promotes vaginal firmness.

Vaginismus

Reduces involuntary spasms of the pelvic floor muscles. Reduces increased muscle tension secondary to pain due to sexual intercourse, tampon use, or gynaecological examinations. Decreases the risk of recurrent vaginal/urinary tract infections. Reduces hyperirritability and pain.

Pre- and post-surgical treatments

Boosts cell growth, reshaping the extracellular matrix and vaginal connective tissue. Reinforces collagen synthesis and promotes increased thickness and firmness of the vaginal wall..

Vaginal dryness

Improves the biological characteristics of vulvovaginal tissue. Encourages local moisture and vaginal lubrication. Promotes vaginal regeneration, promotes the restoration of flora, improves inflammation and restores the physiological pH.

Dyspareunia and Discomfort

Reduces menstrual and sexual pain. Relaxes the musculature and favours vaginal moisture.



"With Deep Care Radiofrequency, only three 15-minute sessions are enough to tackle a complete female genital rejuvenation process, concluding with improved tissue and mucus compaction and a pleasant and painless procedure."

Dr. Jackie Calleja,
Gynaecologist, Madrid (Spain)

"When my sexual relationships had deteriorated to the point of severe abdominal pain, the doctor offered me two alternatives: the usual treatment with a specific cream or a radiofrequency treatment. Although the INDIBA® treatment was more expensive, it promised to be much more effective. The results were very quick, and my relationships have improved a lot. It was well worth the investment. I still don't understand how one treatment can be so life-changing."

A.P.J.,
Patient

Mechanism of action

Resistive Capacitive Monopolar Radiofrequency (RFMCR) 448 kHz is a non-invasive, effective and safe technique based on the use of an electrical transmission using a patented energy emission system. INDIBA® is applied to a specific area of the human body with the aim of regulating key biological and metabolic processes of cellular physiology, stimulating tissue regeneration and improving altered systemic functionality.

Fibroblast activation

- ▲ NEOCOLLAGENESIS ¹⁻¹⁰
- ▲ NEOELASTOGENESIS ¹⁰⁻¹²

Blood flow

- ▲ NEOANGIOGENESIS ¹²⁻¹⁵
- ▲ MICRO-FLOW ¹⁶
- ▲ VASODILATION ¹⁷

Vaginal tissue quality

- ▲ TISSUE ELASTICITY ¹²
- ▲ WATER RETENTION IN THE VAGINAL MUCUS ⁷
- ▲ DIFFUSION OF DHEA, A PRECURSOR TO OESTROGENS ¹²⁻¹⁶

448 kHz

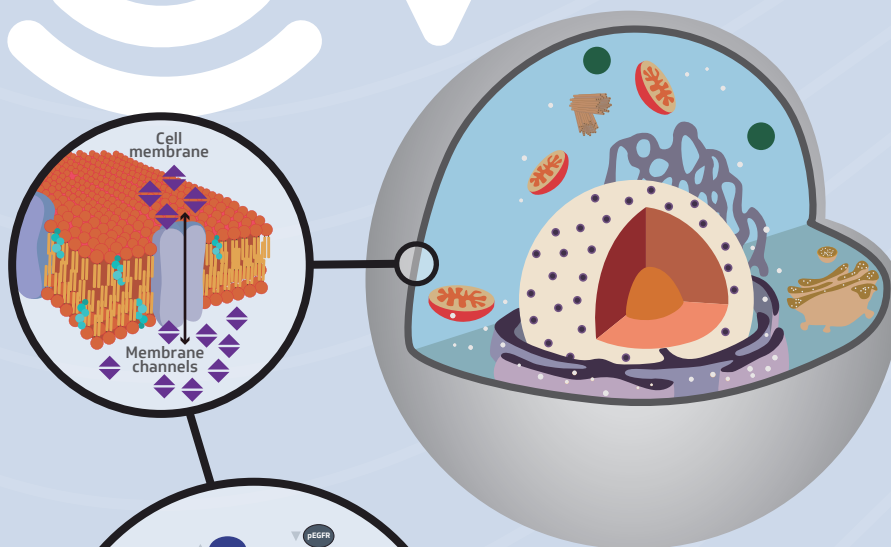


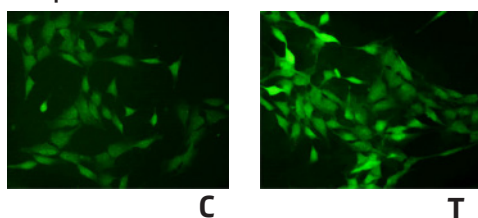
Figure 1. Pictorial scheme of the molecular cascade induced by the application of 448 kHz RFMCR in a typical cell. The interaction of 448 kHz electrical transfer on cell receptors regulates certain precursor ion channels of the signalling cascade involved in the maintenance of cellular integrity. This homeostatic control mechanism helps optimise cell maintenance, regeneration and proliferation. Adapted from Hernández-Bule et al. 2019

Proven results

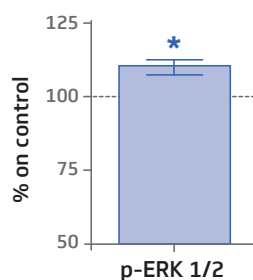
BIOLOGICAL EFFECT

SIGNIFICANTLY ENCOURAGES CELL GROWTH BY SELECTIVE ACTIVATION OF PROTEINS¹⁸

A p-ERK 1/2



B



ERK1/2 proteins are expressed in numerous tissues, with their abundance varying in the human body. ERK1/2 signalling is key to cell proliferation.

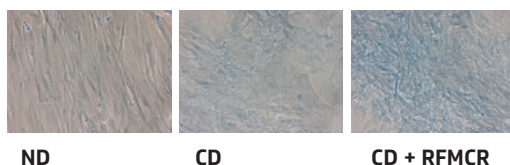
Figure 2. Immunofluorescence of the NB69 cell line

A) Immunofluorescence for p-ERK at 30 min of mock treatment or 448kHz RFMCR: representative micrographs. Alexa green staining. C = Control, T = Treated with 448kHz at 50 μ A/mm².

B) Positive cell quantification. Values are the averages $\pm$ SEM of 3 experimental replicates, normalised over the simulated exposed controls. *: 0,05 > p $\geq$ 0,01; Student's t method. Adapted from Hernández-Bule et al., 2019

SIGNIFICANT INCREASE IN TYPE II COLLAGEN AND GLYCOSAMINOGLYCANS¹⁹

A



B

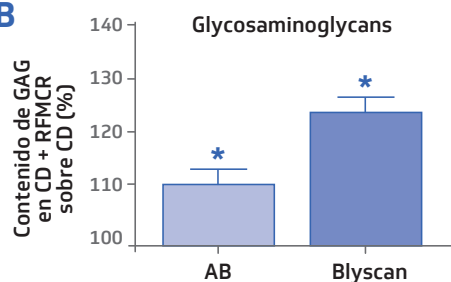


Figure 3. Quantification of glycosaminoglycan (GAG) content in ADSC cells isolated from subcutaneous tissue surgically removed from 4 healthy donors

A) GAG staining of ADSC cultures grown for 16 days after plate seeding and stained with Alcian blue for GAG labelling. ND, CD and CD + RFMCR: same notation as in previous figures.

B) AB: Image analysis of the intensity of Alcian blue incorporated by the cultures. Blyscan: quantification of the GAG/DNA ratio with Blyscan. Data is the average + SEM values on samples exposed to 448kHz RFMCR.

CD: differentiated cells, grown within chondrogenic differentiation medium for 16 days after sowing and simulated exposed to RFMCR for the last 48h.

CD+RFMCR: cells incubated within chondrogenic differentiation for 16 days and exposed to RFMCR for the last 48h.

ND: Samples cultured in basal medium for 16 days and simulated exposure to RFMCR for the last 48h.

ND: Samples cultured in basal medium for 16 days and simulated exposure to RFMCR for the last 48h. *: 0.01 $\leq$ p < 0.05; t test of Student. Adapted from Hernández-Bule et al., 2017.

Proven results

CLINICAL EFFECT

MONOTHERAPY

IMPROVEMENT OF PIGMENTATION, FIRMNESS AND TISSUE QUALITY IN THE VAGINAL AREA

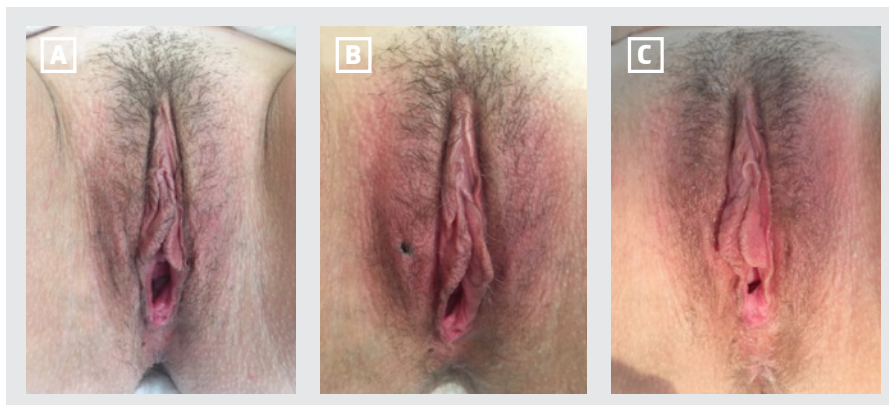
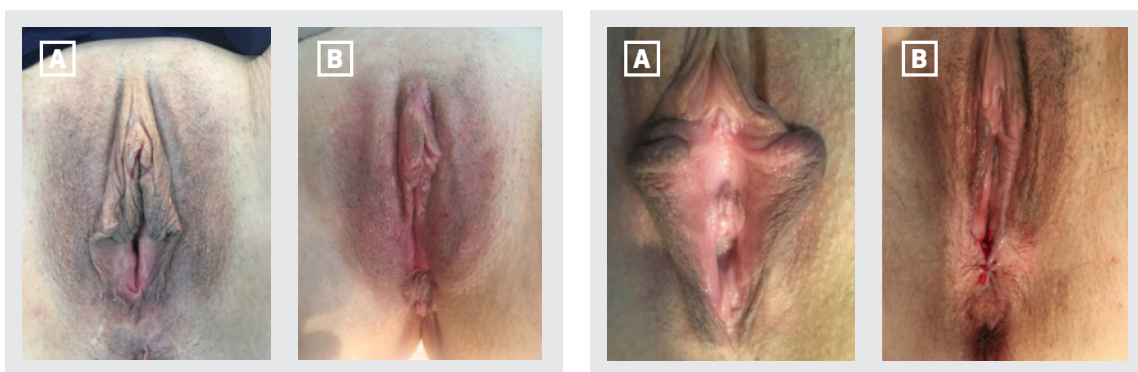


Figure 4. 448kHz RFMCR as monotherapy. Narrowing of a patient's introitus was observed during the course of treatment.

A) Baseline state
B) After the first session
C) After 3 treatment sessions
Images courtesy of Dr. Calleja
(Clínica Bmum, Madrid, Spain).

ADJUVANT TREATMENT

SCAR REDUCTION AND IMPROVED POST-SURGERY RECOVERY



Patient 1

Patient 2

Figure 5. 448kHz RFMCR as an adjunctive treatment to labiaplasty surgery. The scars of the intervention are visually unnoticeable in patients who have undergone surgery and complementary 448kHz RFMCR.

(A) Before the intervention
(B) After the intervention and 3 treatment sessions.
Images courtesy of Dr. Calleja
(Clínica Bmum, Madrid, Spain).

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INDIBA® Deep Care equipment and accessories

INDIBA® Deep Care offers one of the most advanced and versatile technologies available within the market. Our equipment is constantly evolving thanks to research and technological findings, guaranteeing its quality, safety and effectiveness. With various patents and scientific endorsements, INDIBA® technology is a valuable asset for any medical centre.



RGN

Power
Cap 250 VA
+ Res 65 W

Equipment
Size:
400 x 530 x 150 mm
Weight: 8,4 kg

**ELITE
NS**

Power
Cap 450 VA
+ Res 200 W

Equipment
Size:
400 x 530 x 150 mm
Weight: 8,6 kg

Column
Size:
913 x 444 x 559 mm
Weight: 35 kg

**PREMIUM
NS**

Power
Cap 350 VA
+ Res 100 W

Equipment
Size:
400 x 530 x 150 mm
Weight: 8,6 kg

Column
Size:
913 x 444 x 559 mm
Weight: 35 kg



Accessories and consumables



- Aesthetic gynaecology kit
- CAP and RES longitudinal electrodes
- Single-use CAP electrodes
- Return plates
- Temperature controlled handle
- Handle holder
- INDIBA Proionic® Care Cream
- INDIBA Proionic® Intimate Cream
- Transport Case

Technical specs of our equipments

	RGN	ELITE NS	PREMIUM NS
Output frequency	448 kHz +/- 1 kHz	448 kHz +/- 1 kHz	448 kHz +/- 1 kHz
Output frequency resistive mode	65 W	200 W	100 W
Output frequency capacitive mode	250 VA	450 VA	350 VA
Touchscreen	Yes	Yes	Yes
Continuous modulation	Yes	Yes	Yes
Gynaecology Pre-set protocols	23	No	No
Customised protocols	Yes	Yes	Yes
Marketing digital pack	Yes	Yes	Yes
Training	Yes	Yes	Yes



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