



GYNELASE™

CO₂ laser for **gynaecology**

Vaginal atrophy, vaginal tightening,
urinary incontinence, HPV
and genital laser surgery

The non-invasive option for treatment of women's intimate area

Delicate and effective. Easy to use, with multiple treatment options. Minimally invasive with results comparable to conventional surgery.

Gynelase™ by **INTERmedic** is without a doubt the CO₂ laser for the comprehensive treatment of the vulvovaginal area that gynaecologists have been waiting for.



The **Gynelase™** procedure consists of applying tiny laser impacts, separated by healthy tissue. This fractional technique with **GyneScan™** induces vulvovaginal laser rejuvenation (VVLJR) thanks to the thickening of the connective tissue and epithelium, increasing tropism, tonicity, elasticity and tightness.

Why is Gynelase™ the best choice in gynaecology?

- Multidisciplinary, versatile and extendable laser system
- Maximum precision and performances in surgery
- Precise dosimetry control (especially for vaginal mucosa)
- Exclusive **GynePulse™** and **GyneScan™** technology
- Intuitive software with colour touch-screen
- Light, compact equipment
- Easy to use
- Specific accessories for gynaecology that can be extended to other applications
- Random pulse pattern. Maximum safety in treatments

- Minimally invasive, safe, effective surgery
- Outpatient procedure with no incapacitation
- No anaesthesia
- Improved sexual satisfaction
- Without the side effects of traditional surgery
- No bleeding or scarring
- Fast, comfortable, precise procedures
- Not hand-dependent

Equipment **designed entirely in Spain** by an experienced medical team and R&D engineers

Comprehensive treatment of the vulvovaginal area

Immunological factors and age, in addition to oestrogen deficiency, among other things, lead to changes in the female genitals.

GyneLase™ indications

- Vaginal mucosa atrophy
- Vaginal relaxation syndrome
- Female urinary incontinence
- Vulvovaginal aesthetic surgery (Labiaplasty, perineoplasty, etc.)
- Human papilloma virus (HPV)
- Vaginal rejuvenation
- Genital bleaching
- Cystocele
- Rectocele

Fibroblasts in the vaginal mucosa reduce their size and activity to produce collagen cells which, in turn, lose the helical structure. This leads to thinning of the vaginal walls as well as reduced hydration and less resistance to trauma, often accompanied by dyspareunia, atrophic vulvovaginitis, reduced sensitivity and even urinary incontinence.

Vaginal atrophy

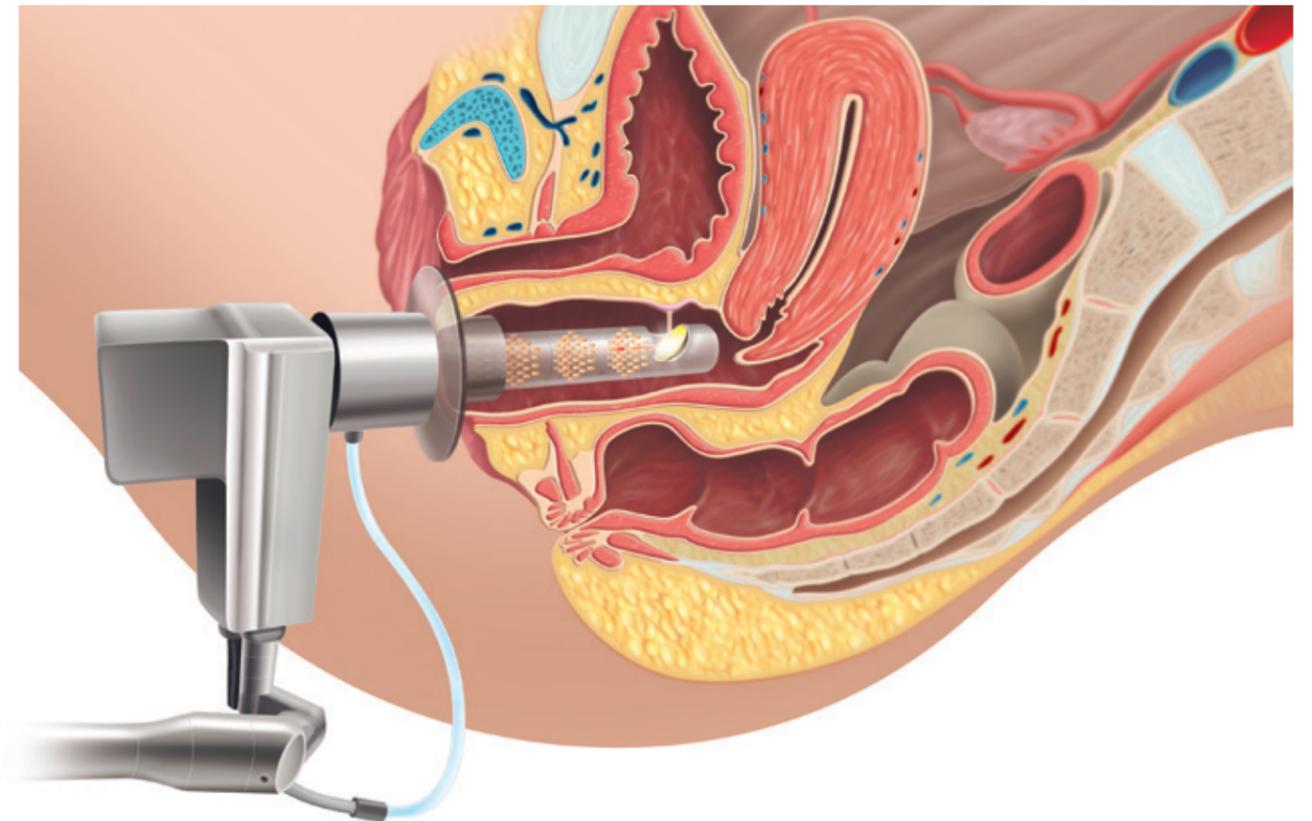
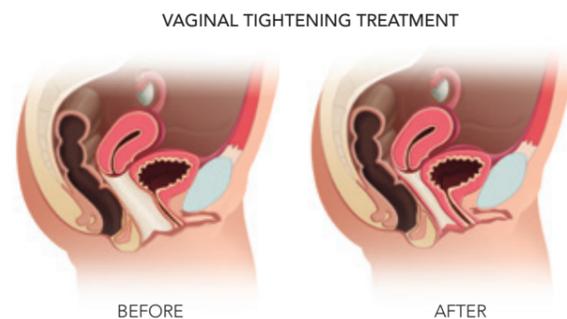
Gynelase™ provides a solution for the treatment of **vaginal atrophy**, being an effective alternative in the treatment of young women and those of menopausal age.

The treatment is performed using a specific technique, applying a pulse especially designed for this indication: **GynePulse™**. This pulse stimulates the tissue without damaging it, thanks to perfect control of the settings using software created for this application.

Vaginal relaxation syndrome

Gynelase™ also effectively treats **vaginal relaxation syndrome**. The **GyneScan™** scanner is introduced into the vaginal canal using a terminal. The laser energy acts on the vaginal mucosa by remodelling, toning and stimulating the tissue and regenerating collagen.

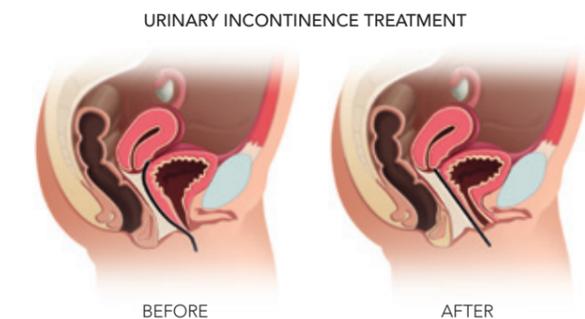
The fractional technology of Gynelase™ by INTERmedic, with its special pulse morphology and multifunction scanner, produces laser energy impacts on the walls of the vaginal mucosa, which stimulate the formation of new collagen. The result is tighter vaginal walls.



Stress urinary incontinence

Gynelase™ provides a quick, effective and incision-free solution for mild-to-moderate stress and mixed urinary incontinence (SUI).

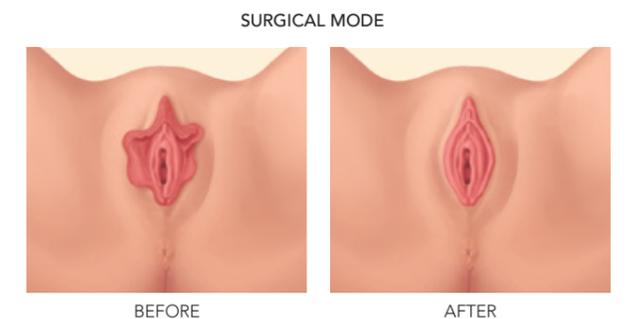
This new laser therapy achieves photothermal retraction of the anterior wall of the vagina and the endopelvic fascia using a minimally invasive approach. Gynelase™ helps remodelling and synthesis of new collagen, achieving retraction and tightening of the tissue.



Vulvovaginal aesthetic surgery

Vaginal reconstruction surgery is a market with growing demand.

Remodelling of congenital abnormalities in the vulva, labia majora, hymen, postpartum perineal scars, hypertrophy of the labia minora or the clitoris and, in general, corrections to the external genitals and genital bleaching are just some of the indications of Gynelase™ in gynaecology.



INTERmedic solutions for women's wellbeing

INTERmedic presents a new laser solution for the comprehensive wellbeing of the intimate female area: **Gynelase™** with CO₂ technology for **vaginal atrophy, urinary incontinence** and **gynaecological surgery**.

How does Gynelase™ work?

This CO₂ laser instrument combines photothermal power with the delicate treatment required for an area as sensitive as the inside of the vagina.

- **Gynelase™** is an effective, safe and comfortable solution, free from risks and complications, that improves the quality of life of women in whom pregnancy, childbirth or the menopause have left a mark. Thanks to the advanced technology of this laser, this can now be erased.
- **Gynelase™** provides a minimally invasive treatment for vaginal atrophy, stress incontinence, vaginal relaxation syndrome and functional and cosmetic vulvovaginal surgery (labiaplasty and genital and clitoral remodelling), among others.
- **Gynelase™** is a leading solution for functional and aesthetic vulvovaginal laser treatment and for reconstructive and cosmetic genital surgery.



CO₂ laser with GynePulse™ technology

INTERmedic has developed a new CO₂ laser with a specific pulse for the vaginal mucosa: **GynePulse™**. The exclusive **GynePulse™** technology generates pulses designed for **vulvovaginal laser rejuvenation (VVLr)**, controlled by the **GyneScan™** scanner, incorporated within the system.

Different working modes for numerous applications

Derma mode

Shapes: Square, triangle, hexagon, circle, torus

Gyne Fract 30 mode

Intravaginal probe with gold mirror, external mono and double bevel applicators and handpiece for cervix.

Surgical mode

Fine-cut handpiece with normal haemostasis and thick-cut handpiece with high haemostasis

Gyne 360 mode (OPTIONAL)

To be used only with an optional intravaginal probe with 360° gold mirror.

Absolute control of all settings: % of area treated, pulse width, energy density per point, stacking.

Gynelase™ The most advanced technology solution

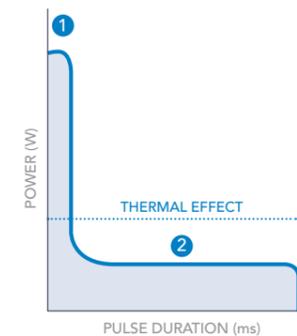
The **GyneLase™** laser is the most advanced minimally invasive option for intimate rejuvenation, tightening of the vaginal canal and gynaecological aesthetic surgery.

GynePulse™ Technology

The **GyneLase™** laser pulses are precisely controlled thanks to the **GynePulse™** technology, using software designed for this application.



- 1 Short-lasting, high peak power pulse, to act on the epithelial component of the atrophic mucous with low water content.
- 2 Long pulse width, low peak power pulse in the second part of the pulse, which allows the laser energy to be deeply distributed and acts in the contraction and stimulation of new collagen.



GyneScan™

GyneScan™ delivers the laser energy in a fractional manner, applying the patterns to the tissue in an even and perfectly ordered manner, to prevent heat accumulation, and leaving healthy tissue between one impact and the next, which will allow very quick reepithelialisation. Precise control of the depth, percentage of area treated, and density of energy delivered per point, for maximum safety and effectiveness.



Unique, versatile, multidisciplinary, easy and intuitive, with **absolute setting control** and not hand-dependent.

GYNEMATIC Technology (OPTIONAL KIT)

Robotics applied to vaginal laser treatments

INTERmedic has developed a new robotic handpiece to easily subordinate the Gynelase™ treatments. minimize the treatment time and thus eliminate the manual positioning of the probe by the operator.



GYNEMATIC™ ADVANTAGES

- Rapidity
- Non operator-dependent
- Ergonomic
- Extreme accuracy in light deposition

Product specifications

CO₂ LASER

Laser type	CO ₂ laser generator
Wavelength	10600nm
Power	50W (limited to 30W)
Working modes	Continuous, Pulsed, SuperPulse, FinePulse , Gynepulse
Peak Power	300W (FinePulse) and 175W (SuperPulse)
Beam	less than 5m W laser diode (653nm-650nm). Dimmable
Laser transmission system	Articulated arm with 7 elbows
Power supply	200-240W, 50/60 Hz 700W (110V in option)
Dimensions	32x42x128cm (width, depth, height with the arm folded)
Weight	50Kg

SCANNER

Shapes	Square, rectangle, triangle, hexagon, circle and crown shapes
Scan area	Up to 20 mm diameter
Fractional System	Interchangeable Spots 190µm, 500µm, 1mm
Point sequence	Completely random (5:1 algorithm)
Surgical mode	2 Spot handpieces 150µm, 250µm



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