CO₂ laser for intimate treatment

Vaginal atrophy, vaginal tightening, urinary incontinence, HPV and genital laser surgery
The non-invasive option for female intimate treatment

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

GyneLase™ by INTERmedic is, without doubt, the CO₂ laser for the comprehensive treatment of the vulvo-vaginal area that gynaecologists have been waiting for.
The GyneLase™ procedure involves applying micro laser impacts and ensuring that healthy tissue is left between these impacts. The fractional technique with GyneScan™ is used to rejuvenate the vaginal area and functions by thickening connective and epithelial tissue to improve tropism, tonicity and elasticity.

¿Why is GyneLase™ the best choice for gynaecology?

- Multidisciplinary, versatile and expandable laser system
- Maximum precision and performance in surgery
- Precise control of dosimetry
- Exclusive GynePulse™ and GyneScan™ technology
- Intuitive software with colour touch screen
- Lightweight and compact
- Easy to use
- Specific accessories for gynaecology
- Upgradeable for other indications
- Random pulse pattern. Maximum safety of treatments

- Minimally-invasive, safe and effective surgery
- Outpatient procedure without downtime
- Anaesthesia-free
- Greater sexual satisfaction
- None of the side effects of traditional surgery
- No bleeding or scarring
- Rapid, comfortable and precise procedures
- Not dependent on manual dexterity

Device developed entirely in Spain by and experienced medical team and R&D engineers
Comprehensive treatment of the vulvo-vaginal area

Immunological and age-related factors, in addition to oestrogen deficiency, among others, cause changes in female genitalia.

**GyneLase™ indications**

- Atrophy of the vaginal mucosa
- Vaginal relaxation syndrome
- Female urinary incontinence
- Vulvo-vaginal cosmetic surgery (labiaplasty, perineoplasty, etc.)
- Human papilloma Virus (HPV)
- Vaginal rejuvenation
- Genital bleaching
- Cystocele
- Rectocele

The size of the fibroblasts in the vaginal mucosa decreases, as does their production of collagen cells, which, in turn, lose their helical structure. This results in a thinning of the walls of the vagina, reduced hydration and less trauma resistance, often accompanied by dyspareunia, atrophic vulvovaginitis, decreased sensitivity and even urinary incontinence.

**Vaginal atrophy**

GyneLase™ provides a treatment solution for vaginal atrophy and is an effective alternative in the treatment of young and menopausal-age women.

The treatment is performed using a specific technique involving the application of a specially-designed pulse: GynePulse™. The pulse stimulates the tissue without damaging it thanks to a complete control of the parameters with the software designed for this application.

**Vaginal relaxation syndrome**

GyneLase™ also effectively treats vaginal relaxation syndrome. By means of a terminal, a GyneScan™ scanner is inserted into the vaginal canal. The laser energy acts on the vaginal mucosa, reshaping, toning and stimulating the tissue and regenerating the collagen.

The fractional technology of INTERmedic’s GyneLase™, with its special pulse morphology and multifunction scanner, produces laser energy impacts on the walls of the vaginal mucosa that stimulate the formation of new collagen. The result is the tightening of the walls of the vagina.
**Urinary incontinence**

GyneLaseTM offers an effective, rapid and incisional-less solution to mild and moderate mixed stress urinary incontinence (SUI).

This new laser therapy is used to photothermally retract the anterior wall of the vagina and the endopelvic fascia in a minimally invasive manner. GyneLase™ promotes the reshaping and synthesis of new collagen, resulting in the retraction and tightening of the tissue.

**Vulvo-vaginal cosmetic surgery**

Demand for vaginal reconstructive surgery is growing rapidly.

Reshaping of congenital abnormalities of the vulva, labia minora and hymen, postpartum perineal scars, hypertrophy of the labia majora and the clitoris and, in general, correction of the external genitalia and genital bleaching are some of the indications for use of the GyneLase™ gynaecological laser.
¿How does GyneLase™ work?  

This CO₂ laser device combines the photothermal power with the delicacy of treatment necessary in an area that is as sensitive as the interior of the vagina.

• GyneLase™ is an effective, safe, comfortable, risk- and complication-free solution that improves the quality of life of women whose experiences of pregnancy, childbirth and the menopause have left a mark that, today, thanks to the laser’s advanced technology, can be erased.

• GyneLase™ offers a minimally-invasive treatment technique for vaginal atrophy, stress urinary incontinence, vaginal relaxation syndrome and functional and cosmetic vulvo-vaginal surgery (labiaplasty, clitoral and genital reshaping), among others.

• GyneLase™ is the gold-standard solution for functional and aesthetic vulvo-vaginal laser treatment and 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 technology of GynePulse™ generates pulses designed for Vulvo-Vaginal Laser Rejuvenation (VVLR), which are controlled by the system’s built-in GyneScan™ scanner.

Different operation modes for multiple applications

• Vaginal Tightening Mode
• Incontinence Mode
• HPV Mode
• Surgical and Vaporisation Mode
• Dermatological Mode (Optional)
CO₂ laser with GynePulse™ & GyneScan™: the perfect union

**GyneLase™**
The most advanced high-tech solution

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

**GynePulse™ technology**
The laser pulses of **GyneLase™** are precisely controlled through **GynePulse™** technology with software designed for this application.

1. **High peak power and short pulse** to act on the epithelial component of the atrophic mucosa with low water content.

2. **Low peak power and large width pulse** in the second part of the pulse, which enables the laser energy to be distributed in depth and acts on the contraction and stimulation of new collagen.

**GyneScan™**
**GyneScan™** delivers the laser energy fractionally, applying the patterns on the tissue in a uniform and fully ordered manner to ensure that no heat builds up and healthy tissue is left between impacts to promote very rapid epithelialisation. **Precise control of depth, percentage of treated area, energy density delivered per point for maximum safety and effectiveness.**

**GyneLase™ technical specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of laser:</td>
<td>CO₂</td>
</tr>
<tr>
<td>Tube power in CW:</td>
<td>50W (limited 30W)</td>
</tr>
<tr>
<td>Peak power:</td>
<td>&gt;200W</td>
</tr>
<tr>
<td>Wavelength:</td>
<td>10.600 nm</td>
</tr>
<tr>
<td>Guide beam:</td>
<td>Red, adjustable brightness</td>
</tr>
<tr>
<td>Beam delivery:</td>
<td>7-joint articulated arm</td>
</tr>
<tr>
<td>Control panel:</td>
<td>8.5'' colour LCD touch screen</td>
</tr>
<tr>
<td>Dimensions:</td>
<td>114x30x45mm (Height x Width x Depth)</td>
</tr>
<tr>
<td>Vaginal Tightening mode</td>
<td>Emission mode: FinePulse (share free)</td>
</tr>
<tr>
<td>Incontinence mode</td>
<td>Emission mode: FinePulse (share free)</td>
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<tr>
<td>Surgical and vaporisation</td>
<td>(patent pending)</td>
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<tr>
<td>Sub-ablative dose:</td>
<td>Ablative mode</td>
</tr>
<tr>
<td>Dermatological mode:</td>
<td>Adjustable ablation depth</td>
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<tr>
<td>mode</td>
<td>Surgical and vaporisation mode</td>
</tr>
<tr>
<td>(wrinkles, skin lesions, etc.)</td>
<td>Optional</td>
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<tr>
<td>Modes:</td>
<td>CW, SuperPulse, FinePulse</td>
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<tr>
<td>Ablative mode</td>
<td>Chopped CW, SuperPulse, FinePulse</td>
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INTERmedic has extensive experience in the development and manufacture of high-tech laser, radiofrequency and ultrasound solutions for medical purposes, and an ongoing commitment to innovation and the quest for the most advanced medical therapies to improve the quality of life of people. Distributors, clinics and doctors around the world have put their trust in our medical platforms for their effectiveness, safety and versatility.

Worldwide reference in laser and health solutions

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