The most effective treatments require the most appropriate tools.

Several hundred million people worldwide suffer from urinary incontinence and most are women. The incontinence can have different causes and forms. The most common forms are: stress incontinence, urge incontinence and mixed incontinence.

The good news is that, with incontinence, effective treatments are available.

The sooner incontinence is diagnosed and treated, the better the chances of success.

Perineal electrostimulation and biofeedback are the most popular methods in the recovery of continence, particularly in female patients.

These methods involve the use of intra-vaginal probes, characterized by at least one pair of electrically conductive electrodes.

Despite perineal electrical stimulation and EMG biofeedback, being well known and commonly applied to treat incontinence, some perineal probes that are available on the market, could be unsuitable for the most effective treatment protocols.

Frequently, the therapeutic successes are limited by a bad localization in the treatment or by the discomfort for the patient.

Very frequently, the pelvic floor of a woman shows pronounced asymmetries of muscular tone; They may be caused by an episiotomy or asymmetrical lacerations during childbirth. Advanced vaginal probes allow to assess or selectively treat the perineal muscles right or left with different levels of stimulation.

Moreover, since the nickel allergy is increasing worldwide, it is increasingly important to avoid contact with metals containing nickel (for example with stainless steel) and use anallergic materials for the contact with vaginal and anal mucous.

These are the principles that inspired the development and production of a new line of vaginal and anal perineal probes.

The particular forms of PERISPHERA probes make it easier to get a strong, comfortable contraction, or a precise ElectroMyoGraphic (EMG) recording, during a voluntary contraction. The hemispherical and protruding electrodes offer the maximum contact surface and a better localization of the treatment.

**CONTRAINDICATIONS**

Do not use this probe for electrostimulation in presence of confirmed or suspected:

- bladder, vaginal or anal infection,
- colorectal or genitourinary cancer,
- pregnancy,
- patient with a cardiac pacemaker (consult the doctor who prescribed the pacemaker),
- ureterovesical reflux
- hypotonic bladder
Characterized by two spherical electrodes, it is intended for global, undifferentiated and simultaneous stimulation of the puborectalis and both branches of pubococcygeal muscles, regardless of the orientation of insertion into the vagina. Its large stimulation surface, determined by the area of the two spherical electrodes, enables an excellent recruitment of the muscle groups involved in the control of continence.

The PERISPHERA®-O vaginal probe is suitable for treatments of patient in lying position and can be used by both the professional and the patient. Their special design, in addition to ensuring a perfect anatomical fit with the vaginal walls, allows for easy insertion and comfortable retention by the patient.
With two egg-shaped electrodes and predominant insulation on the top, it is intended for the global stimulation or the EMG biofeedback of the pelvic floor excluding the upper wall adjacent to the bladder. In the treatment of patients with asymmetric perineal muscles following episiotomy or lacerations the PERISPHERA®-E probe allows selective treatment. By rotating the probe 90 degrees to the left or to the right, you can apply a one-sided and independent treatment to each of the two branches of the pubococcygeal.
Vaginal probe with double circuit (4 electrodes) for perineal re-education, through EMG biofeedback and electrostimulation

The probe is characterized by a double circuit formed by two large flat electrodes (lower side) for the global stimulation of the pelvic floor and two "saddle-shaped" side electrodes for the undifferentiated stimulation of both the right and the left branches of the pubococcygeal muscle. For optimum use it is advisable to utilize both circuits, however if the operator is accustomed using probes only equipped with side electrodes and has or wants to use only one stimulation channel, they can connect the equipment to the white connectors only.
The probe is characterized by a double circuit, consisting of 4 electrodes arranged radially, which are designed to intercept the two branches (left and right) of the pubococcygeal muscle separately. It offers the advantage of being able to treat the two branches of the pubococcygeal muscle asymmetrically and independently but simultaneously with 2 electrostimulation channels or 2 EMG biofeedback channels (for muscle asymmetry resulting from episiotomy).
The probe is characterized by four laterally arranged electrodes, designed to separately treat the two branches (L and R) of the pubococcygeus muscle. Given the particular shape and arrangement of the electrodes, which also extend on the under side of the probe, it is possible to optimally involve the pubococcygeus muscle and puborectalis regardless of the patient’s position. The probe offers the advantage of being able to treat the two branches of the pubococcygeal muscle asymmetrically and independently but simultaneously with 2 electrostimulation channels or 2 EMG biofeedback channels (for muscle asymmetry resulting from episiotomy).
Vaginal probe with double circuit (4 electrodes) for perineal re-education, through EMG biofeedback and electrostimulation

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The soft handle also allows the treatment of the patient in the sitting position.
Perisphere® - AT

Vaginal probe with 4 electrodes for perineal re-education, through EMG biofeedback and electrostimulation

Indicated for the treatment of patients with limited vaginal access or suffering from vaginismus. A diameter of barely 11 mm and the particular arrangement of the side electrodes allow an easy stimulation of the perivaginal muscles. The safety hilt for adjusting the depth of insertion and determining the orientation can be removed.

The 4 electrodes (2 front and 2 rear) can be connected to separate output channels of the electrostimulation unit or to a single channel (through special "Y"-shaped optional wire adaptors).
The probe is intended for the treatment of male patients with post-prostatectomy urinary incontinence or patients with defecatory disorders. The depth of insertion is adjustable, from 40 to 55 mm, according to the anatomical structure of the patient, by means of the safety hilt with 4 positions which also determines the correct orientation of the probe. The 4 electrodes (2 front and 2 rear) can be connected to separate output channels of the electrostimulation unit or to a single channel (through special "Y"-shaped optional wire adaptors).

The type of connection of the 4 electrodes allows to selectively treat the puborectalis muscle and the internal anal sphincter. The tip of the probe, has a spheroidal shape flattened to limit interference with an enlarged prostate. It is intended to go beyond the anal sphincter and positioned within the rectal bulb.
The PERISPHERA® perineal probes are made entirely of biocompatible plastic material, with gold plated electrodes, obtained with Nichel-free plating technique.

The electrical connection with the stimulation or the EMG-biofeedback unit is obtained by two or four wires (about 20 cm in length) with a 2mm female connector termination.

The probe can be used with any Electro-Medical device CE marked in Class Ila, supplying symmetric biphasic pulses, zero average value (galvanic-free).

- **Materials in contact with the patient**: ABS (or MABS) / PC / TPE + gold.
- **Invasiveness**: vaginal or anal orifice for a period up to 1 hour.
- **Packaging**: Supplied individually (non-sterile) with warranty label and instructions for use.
- **Cleaning and disinfection**: with water and possibly mild soap. If required, disinfect with alcohol and rinse with water before use.
- **Individual use**: It can be used for about 60 sessions on a single patient (can not be used on multiple patients).
- **Combined use**: It must be used with any electromedical pulse generator (CE marked in Class Ila) equipped with cables terminated with 2mm plug, provided that it is capable of delivering biphasic pulses at zero mean value (zero DC).
- **Production quality control**: In ISO9001 - EN ISO13485-certified system.
- **Operating and storage environmental limits**: + 5 ° to + 35 ° C with R.H. between 20% and 80%.
- **CE Marking**: Class Ila device according rule 5 Annex IX 93/42 / EEC - CE0051 marking, issued by IMQ, according to Annex II of Directive 93/42 / EEC.

Each probe may be supplied in single sealed resealable pouch or individual box, including an instruction leaflet.
To use 4-electrode probes with a single-channel stimulator, a pair of Y-cables (one red and one black) are required as optional accessories.

**B2F2B2MS-N**  
Y cable (Black)

**B2F2B2MS-R**  
Y cable (Red)

### Ordering codes and dimensions table

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<th>Picture</th>
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<th>⌀ min / max (mm)</th>
<th>Length (mm)</th>
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<th>Surface of electrodes (cm²)</th>
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### Intellectual property (IP):

The PERISPHERA® probes are designed, developed and manufactured in Italy by BEACMED® s.r.l. The design, characteristics and methods of production of the PERISPHERA® probes are protected by registered design and patents deposited by BEACMED® s.r.l. - PERISPHERA® is a registered trademark of BEACMED® s.r.l. - BEACMED® is a registered trademark of BEACMED® s.r.l.

The PERISPHERA® probes are Class II medical devices according to directive 93/42/EEC a.s.m.