

NEO))

More than 150 programs
tested by thousands
of daily users

« By removing the latency between the negative pulse and the positive pulse, repolarization of the cell is immediate and stimulation becomes more comfortable allowing unprecedented muscle recruitment. »

Georges Billard

Therapeutic actions

- analgesic
- anti-inflammatory
- decontractant and spasmolytic
- draining and trophic
- galvanic/ionophoretic
- joint movement
- muscle strengthening
- haemophilia muscle strengthening

Pathologies

- amyotrophic
- circulatory and trophic
- muscular contractures
- dermatological
- gastrointestinal transit
- pregnancy
- morpho-aesthetic
- neurological
- osteoarticular and tendons
- perineal sphincter anorectal
- perineal sphincter urinary and genital
- post-traumatic
- respiratory
- rheumatology
- sports

Assessments

ASSESSMENTS OF PERINEAL
SPHINCTER AFFLICTIONS
Women - Men - Children

ASSESSMENTS OF NEUROPERIPHERAL
AFFLICTIONS

Perineal disorders

FEMALE PERINEUM

- stress urinary incontinence
- mixed urinary incontinence
- bladder instability
- dyssynergies
- postpartum disorders
- anorectal disorders
- episiotomy pain
- muscles and tendon pain - peri and postpartum
- preparation for urethrosesal surgery
- reprogramming of the locking reflex

MALE PERINEUM

- incontinence after prostatectomy
- preparation for prostate surgery
- rehabilitation of anal continence reflexes
- erectile dysfunction

Paediatric disorders

- retentions
- encopresis
- dissynergies

Etc.



CERTIFICATION

VIVALTIS is ISO 13485 certified by LNE/GMED. The PHENIX USB Neo is a Class IIb device that was designed and manufactured according to European Directive 93/42/EC. Its compliance with the Directive is validated by the presence of a label marked CE 0459.

INNOVATION



The PHENIX USB Neo and PHENIX Liberty wireless technology has won the FIEEC award (Federation of Electrical, Electronic and Communication Industries).

AFTER SALES SERVICE

The PHENIX USB Neo is a medical device designed and manufactured to meet the international and regulatory requirements. Technicians VIVALTIS, who are specialized in your device, are at your disposal :

- By phone : 00.33.4.67.27.15.43
- By mail : sav@vivaltis.com

INNOVATION

VIVALTIS chose Montpellier, regional capital because of the international influence of its Medical University and research centres. This proximity fosters a regular cooperation between its engineers with the teams of Montpellier University and the Faculty of Medicine of Montpellier-Nîmes.

More than 30.000 therapists worldwide, using devices PHENIX every day, are testament to their reliability. The PHENIX USB Neo range is enriched by their experience.



The PHENIX® devices are designed and manufactured by:

VIVALTIS

ELECTRONIC CONCEPT LIGNON INNOVATION

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PHENIX USB Neo

Ergonomics of wireless technology
affordable by anyone



NEO))

Perineal rehabilitation
Osteoarticular
Rheumatology
Drainage and trophicity



NEO

Full PHENIX expertise at the service of innovation



» Wireless technology

Easy to use:
the session is unencumbered by wires between the central unit and the patient and is therefore easier and quicker.

Wider range of therapeutic applications:
removal of the wires between the central unit and the patient simplifies the electrostimulation treatments and increases the scope of application. Likewise, as there are no wires between the patient and the central unit, biofeedback is enriched by numerous exercises which were difficult to carry out previously.

» Flexibility

Wireless uro or non-uro biofeedback:
each POD stim/bio is a telemeter that transmits and instantly displays the level and quality of muscle recruitment on the unit screen. This is the ideal tool for proprioceptive exercises, regardless of patient position and particularly in perineal rehabilitation for postural and dynamic exercises. For joint and muscle rehabilitation the wireless link between the CPU and POD installed on the patient revolutionizes the practice of electrotherapy. All exercises in motion are now possible in stimulation and biofeedback.

Free space:
wireless technology frees up the space around the treatment table.

Biofeedback quality:
with no physical connection to the current sector, the EMG signal suffers no interference and instantly gives back muscle contraction in all its components.

Multipatients function :
with optional POD MultiPatients you can treat two patients at the same time (see options).

Venous currents:
electrical stimulation of smooth muscle leads to improvements, often dramatic, in ischemia, haematoma, oedema, induration, retractions etc. In all cases they improve drainage as well as local and diffuse trophicity.

The general database:
whether your practice is specialized or general, the PHENIX USB Neo provides you with all sessions tailored to your perineal and functional rehabilitation needs.

» Scalability

1 POD or 2 or 3, with or without a peripheral device:
when you wish you can expand the scope of your PHENIX USB Neo by adding a second POD stim/bio, a POD interferential, a manometric module or pelvimeter (with universal POD).

Internet software updating:
automatic update of your software by Internet



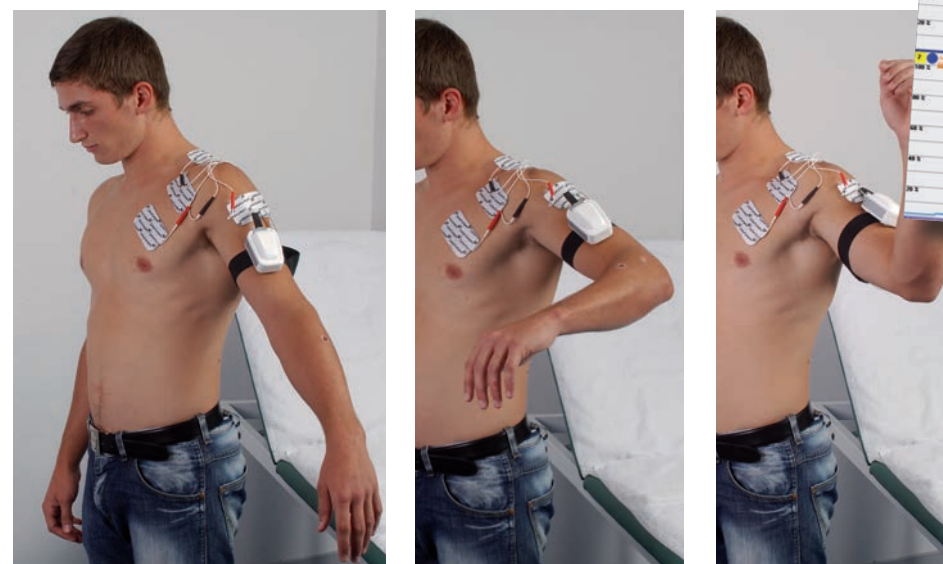
A POD stim/bio is a mobile unit for stimulation and biofeedback, which communicates with the central unit wirelessly. Each POD stim/bio has two stimulation channels and two biofeedback channels.

» The treatment wizard



You observe, question and evaluate the clinical signs:
• **Urogynaecology:**
SUI, urge incontinence, leakage, pain...
• **Physiotherapy:**
pain, inflammation, amyotrophy, oedema...
The wizard finds the answers and organizes them into a coherent and global treatment.

» Biofeedback and stimulation



Decoaptation exercise for shoulder under electrostimulation and biofeedback. The patient becomes aware of his/her disrupted physiological condition and changes it by analytical and recordable voluntary action. Visual contraction guides stimulate muscle recruitment intensity and quality. Biofeedback enables the patient to take an active role in the rehabilitation and the functional objective is achieved more quickly.

» Measuring progress



The PHENIX USB Neo has a comparison tool that is very easy to implement and communicate. It is based on the recorded biofeedback sessions and takes account of both quantitative (average EMG value) and qualitative (percentage of targets achieved) aspects.

Secure communication protocol

All STIM and BFB parameters can be changed in real time and all types of custom programs are possible. Treatment data are transmitted using a secure and patented protocol. This technology ensures total security, free from interference and without risk to the environment (emitted power < 10 mW).

Tools to make your life easier



The treatment wizard: from your observation of the clinical signs the software searches the most appropriate treatment programs and establishes a comprehensive and consistent physiotherapy treatment protocol.



Selection of stim or BFB sessions: to make your search easier, you only want to display stimulus programs... or only biofeedback programs... or perhaps only programs that combine the two types. This is all possible with a single click.



Favourites: if you often use the same programs you can access them easily: store them and find them in the «Favourite Treatments» folder.



DAL software: proven ergonomics common to the whole range. We have developed a common GUI for all our products. This approach means that all PHENIX products benefit from the improvements regularly introduced to all ranges. Several boxes, several devices, several PHENIX, the same software and the same logic.



Perineal sphincter reports for women, men, children:
full printable reports adaptable to your needs that can be provided as a summary file.



Fun and random fun:
increasingly motivating biofeedback exercises. For greater efficiency, sensory-motor feedback must be motivating. It must attract the patient's attention and stimulate his/her will, by creating the desire to achieve the suggested treatment goal. In fun mode, screen processing takes account of these two apparently contradictory elements: remaining in the health area (analytical neuromuscular reprogramming) while also using the games world.



Carbon footprint:

from the original design of the PHENIX USB Neo we took account of our interdependence with the environment. The PHENIX USB Neo has half the carbon footprint of previous generations of devices, due, among other things, to the miniaturization of its electronic cards and the choice of low consumption electronic components.

- **Electrostimulation**
2 multiplexed stimulation channels per POD
Maximum current: 100 mA
Setting in steps of 0.5 mA
Pulse width: 30 µs to 300 ms
Frequency: 1 Hz to 400 Hz
Excitomotor, analgesic, trophic, neuroperipheral currents
Optional interferential POD (2000 Hz carrier)
- **Biofeedback**
2 biofeedback channels per Pod
Scale: 0 to 2000 µV on 3 levels of gain
Display types: guide curves and/or bar graph
Biofeedback Sound
Integrated games oriented function
- **Measurements**
CPU: 25 x 12 x 7 cm
POD: 8 x 5 x 2 cm
- **Weight**
CPU: 1 Kg
POD: 80 g

- **Pod battery**
Lithium Polymer long-life
- **Safety tests**
The PHENIX USB Neo complies with the IEC 60601-1 standard on safety regulations for medical electrical equipment, the standard on electromagnetic compatibility IEC 60601-1-2 and the standards EN 300 440-2 and EN 300 328 following recommendation 1999/519/CE for wireless communication and the safety standard for nerve and muscle stimulators IEC 60601 -2 -10. The PHENIX USB Neo is a Class IIb device that was designed and manufactured according to Directive 93/42/EC and its amendment 2004/47/EC. Its compliance with the Directive is validated by the presence of a label marked CE 0459.

The options



POD MULTIPATIENTS
Multiply the electrostimulation applications of your PHENIX USB Neo with one independent PODs. The POD MultiPatients enables you to treat a patient while your Neo is used to treat another patient. From your Neo (even during treatment) you can transfer a stimulus program in 2 seconds to your POD MultiPatient. You can therefore start your treatment in another box or at home.

A POD MultiPatient has two stimulation channels (analgesia, strengthening, drainage, trophicity ...) and can also be used with the Neo as a second treatment POD for programs requiring 4 stimulation channels.



POD INTERFERENTIAL
Interferential currents have the capacity to pass through tissue better and to reach deeper muscle layers.



THE PHENIX PELVIMETER
The PHENIX® pelvimeter is a proprietary measurement instrument with a range of functional and organic pelvic floor parameters. It enables the origin of dysfunctions to be detected

and guides the selection of rehabilitation techniques. The PHENIX® pelvimeter is also a digitally operated working tool.

THE PHENIX® MANOMETRIC MODULE

In many therapeutic situations it may be useful to use an inflatable probe (vaginal or anal) connected to a manometric module. PHENIX one, two or three channel digital manometric module allows you to display recorded pressures of the balloons on the screen and to practice biofeedback exercises for:
- rehabilitation of sphincter deficiencies;
- evaluation of anal continence reflexes;
- rehabilitation of constipation;
- rehabilitation of anal-rectal dissynergies (RSSR work).
With the wireless technology of the PHENIX USB Neo the use of a manometric module and an inflatable sensor becomes easier.

THE ANORECTAL EVALUATION AND REHABILITATION KIT

- 1 PHENIX digital manometric module
- 1 control pedal
- 1 double balloon anal probe
- 1 syringe - 1 spreadsheet software

Any therapist who has carried out an anal profile and determined the thresholds triggering RAIR and RSSR will have encountered difficulties of all kinds (technical aspects, taking measurements, records, compliance with hygiene rules). The PHENIX KIT guides you onscreen, so you can work with your hands free and trigger the measurements taken and recordings with the pedal. At the end of the evaluation a rehabilitation session that takes account of the set values is automatically prepared.