MEDICAL DEVICE FOR FOCUSED SHOCK WAVES THERAPIES IN URO-ANDROLOGY

ERECTILE DYSFUNCTION
INDURATIO PENIS PLASTICA
CHRONIC PELVIC PAIN

WITH LARGE FOCUS APPLICATOR

Intended use
URO-ANDROLOGICAL Rehabilitation Protocols

EUROPEAN PATENT
In recent years Deltati Medical Equipment has carried out an in-depth analysis of the uro-andrological field by participating in congresses, interviewing specialized doctors and analyzing the most significant clinical and scientific studies available. A very convincing picture emerged where low-intensity focused shock waves (LI-ESWT) definitely represent a new therapeutic perspective for the treatment of Erectile Dysfunction (DE), Induratio Penis plastica (IPP) and Chronic Pelvic Pain Syndrome (CPPS).

Deltati Medical Equipment therefore, in close collaboration with established national urologists and andrologists, pioneers of the new therapy, has developed its own clinical Know-How on the DUO WAVE MASTER URO device which led to the validation by the Certification Body CE0051 of a series of rehabilitative protocols and their specific application methods.

CHOOSING THE TECHNICAL PARTNER
Before purchasing a product, we all put our faith in the people who sell it and the company that produces it. This is even more discernible in a highly specialized sector such as the electromedical one, in which the devices must meet strict regulatory and quality criteria and are subject to maintenance to ensure maximum efficiency over time.
In this context and in these economic times, when companies and products are in constant evolution, we have found an exceptional technical partner that is a consolidated reference point and will ensure that our customers are protected.
Each device is the result of the specialised expertise of this industrial partner, optimizing and personalising the product’s technical content.

CERTIFICATIONS
The manufacturer we have chosen operates with a certified quality system, with procedures that are constantly implemented at every stage of product development and production according to ISO 9001 and ISO 13485 procedures.
All the devices have the CE 0051 marking and are manufactured in accordance with Directive 93/42/EEC of 06/14/93.
Particularly this device has obtained by Certification Body CE 0051 the uro-andrological use.
COST-EFFECTIVENESS: THE REAL BIG DIFFERENCE

CHEAPNESS OF THE PURCHASE PRICE
The technical and design features make the duo wave master uro currently the most economical device for low intensity focused shock waves therapy in the uro-andrological field on the market with an equivalent clinical effectiveness.

COST-EFFECTIVE MANAGEMENT COSTS
Minimum costs for the regeneration of the focused applicator. With the utmost simplicity and speed, only the applicator is replaced with a regenerated equivalent; hand pieces, cables or other accessories do not have to be disassembled to be replaced or disposed of. The regeneration cost and applicator lifetime ratio is such as to have an almost insignificant influence on the cost of each single treatment. No need for the use of spacer gel pads.

INNOVATION, DESIGN AND TECHNOLOGY
Focused shock waves device duo wave master uro has innovative and patented technical characteristics that clearly distinguish it in a marketplace of alternative choices. Quality, originality, reliability and the general cheapness also, make the real difference. Our device has a personalized panel with an unmistakable “Italian Style” design that represents the aesthetic expression of attention to detail. duo wave master uro is a concept developed in Windows CE using the latest generation of functional technical solutions. A touch screen combined with traditional functions allows unprecedented versatility, offering operators really intuitive and practical use of the device.

RESPECT FOR THE ENVIRONMENT
The regeneration of the applicators with the recovery and re-use of the component respects the environment. There are no elements (e.g. hand pieces, cables, etc.) which are difficult to dispose of because they cannot be used again. The use of prevalent materials such as aluminium and steel in the construction of the device make the product almost totally recyclable at the end of its life as well as particularly tough and long-lasting.
LOW INTENSITY FOCUSED SHOCK WAVES THERAPY, A NEW URO-ANDROLOGICAL THERAPEUTIC APPROACH

A shock wave is defined as an acoustic wave characterised by a high pressure peak adjustable within a small frequency range. The pressure exerted by the shock wave is much higher than the traditional ultrasonic wave, even if it has a less pronounced frequency modulation. The shock wave spreads, like ultrasound, through human tissues following the principle of acoustic impedance, i.e. the different ability of each tissue to reflect the acoustic wave. Shock waves are impulses that propagate like pressure waves, generating mechanical stress on the tissues they pass through. They were introduced in the medical field with extracorporeal lithotripsy, for the non-invasive treatment of kidney stones. In Uro-Andrology, it is a more recently applied therapy and for immediate use.

The low intensity shock wave interacts with the deeper tissues and thus causes a form of mechanical micro trauma the consequence of which is the release of growth factors (angiogenesis) that are capable of inducing new vascularisation in the affected tissues, improving the vascularisation of the cavernous bodies and restructuring the normal physiology of the erection.

The physical therapy is thus brought exactly where it is needed and acts by stimulating the circulation in the penis, restoring a spontaneous erection to the patient.

The non-invasiveness, the high tolerability of the treatment by the patient, the absence of collateral effects, the possibility of totally removing or reducing the use of PDE5 drugs and the discretion in making use of the therapy ensure that the preferred choice for the cure of ED by doctors and patients today falls on low intensity shock waves therapy.
FOCUSED SHOCK WAVES APPLICATOR: “LARGE FOCUS”

A unique feature of the duo wave master uro is the emission, using a hand-piece with in-built digital commands and a specific applicator (with European patent), of “LARGE FOCUS” type focused shock waves. LARGE FOCUS emission allows the transmission of energy that propagates in a homogeneous in-depth way from the point of impact with the skin. In fact, the emission area is large enough to avoid the need for pointing systems which are necessary when the focal area is very small. LARGE FOCUS emission allows treatments without any special collateral effects and without provoking pain to the patient, given the large area over which the energy is distributed.

THERAPEUTIC INDICATIONS

- Erectile Dysfunction (ED)
- Induratio Penis Plastica (IPP)
- Penile Fibrosis
- Chronic Pelvic Pain (CPPS)
- These types of erectile dysfunction: Organic Arterial/Vascular
- Recommended for venous Vascular ED

Technical Features

- Wheeled frame device: cm 40 x 30 x 90 h
- EEC Directive 93/42: class IIb
- Uro-Andrological use notified by CE0051 Certification Body
- Electropneumatic device “oil-free”
  6 Bar max ; 5 Bar output
- Frequency: from 1 to 22 Hz
- Emission mode:
  Focused LARGE FOCUS
- Electronic hand-piece with keys on board
  (start/stop – pressure – frequency )
- Touch-screen colour display 480x800 pixel
- Multi-function buttons and encoder
- Pre-set Uro-Andrological protocols
- Free memories for storing customized protocols

Standard Accessories

- Hand-piece with keys on board
- Orthostatic arm for hand-piece support
- Nr.2 LARGE FOCUS Focused applicators 36mm (patented)
- Conductive Gel
- Operating Manual

Pressure Adjustment

Frequency Adjustment

Start - Stop

LARGE FOCUS

In the uro-andrological therapy

Energy Flux Density (ED) : 0.12 – 0.24 mj/mm²
Penetration depth : 10 – 20 mm
TREATMENT OF ERECTILE DYSFUNCTION (ED)

- It promotes the vascularisation (angiogenesis) and elasticity of the penile tissues, consequently improving the quality of the erection
- It stimulates the regeneration of the nerve structures controlling the erection
- It restores the endothelium and the smooth muscles

THERAPY SUGGESTIONS

- Therapy varying from 5 to 10 sessions once a week
- Number of shots: 3000 / 5000 depending on the protocols adopted
- Sessions varying from 6 to 22 minutes depending on the protocols adopted
- No collateral effect
- Treatment cycle can be repeated, if necessary, after at least 4 weeks

TREATMENT OF INDURATIO PENIS PLASTICA (IPP) – Peyronie’s Disease

- It stimulates the factors which promote angiogenesis by restructuring the activity of the inflammatory cells that seem to be directly responsible for the formation of the plaque.
- It stabilises the plaque by interrupting the progression of the disease
- It reduces the consistency of the plaque and its dimensions
- It reduces or removes the pain caused by the plaque

THERAPY SUGGESTIONS

- Therapy varying from 8 to 10 sessions once a week
- Number of therapeutic shots: 500 in the penile plaque area treated (0.5 cm)
- No collateral effect
- Treatment cycle can be repeated, if necessary, after at least 4 weeks

TREATMENT OF CHRONIC PELVIC PAIN SYNDROME (CPPS)

- It promotes an increase in vascularisation (angiogenesis)
- It induces an increase in the anti-inflammatory signals
- It induces a reduction of the passive muscle tone
- It reduces the pelvic floor pain syndrome

THERAPY SUGGESTIONS

- Therapy lasting at least 6 sessions once a week
- No collateral effect
- Treatment cycle can be repeated, if necessary, after at least 4 weeks
Why you should choose duo wave master uro

• INTENDED USE: URO-ANDROLOGICAL
• PATENTED “LARGE FOCUS” FOCUSED APPLICATOR
• VALIDATED PRE-SET URO-ANDROLOGICAL PROTOCOLS
• CLINICAL EFFECTIVENESS

• INNOVATION, DESIGN AND TECHNOLOGY
• DESIGN AND PRODUCTION 100% MADE IN ITALY
• EASE OF USE AND HANDLING

• TRAINING COURSES

• LOW PURCHASE PRICE
• COST-EFFECTIVE MANAGEMENT COSTS
• FINANCIAL PACKAGES FOR PURCHASE OR HIRE
• CUSTOMER CARE

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DELTATI operates on the Italian and foreign markets and is specialized in the fields of physiotherapy, sports medicine and uro-andrology.

Over more than twenty years’ experience in marketing high-tech products, it has always believed that it is indispensable to offer users high quality and reliable products, with guaranteed technical assistance and the availability of spare parts over time.

DELTATI MEDICAL EQUIPMENT GUARANTEES:

- Pre-sales assistance to choose the most suitable equipment for the customer’s needs
- Assistance during the equipment installation and start-up phases
- Training courses
- Post-sales technical assistance

DELTATI MEDICAL EQUIPMENT CAN OFFER TAILORED SALES SOLUTIONS

- Through leading specialised financial companies also

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