

CareTherapy[®]
your deep energy



 **CareTherapy®**
Your deep energy

CareTherapy®, is a revolutionary method in the field of Physical Therapy and Rehabilitation; it was **created in 2006 and developed by Medilab**, a **leading Company in the Italian scene** for over **40 years**.

It originates from the synergy between **technological innovation, clinical competence** and **scientific research**, in an historical and geographical context which, among numerous medical excellences, it counts the oldest University in the world (Alma Mater Studiorum Bologna).

100 years of studies on electromagnetic devices and capacitive resistive energy transfer (Care) merge with the experience developed by leading teams of professionals and researchers to provide **effective rehabilitation protocols** and **innovative application techniques** for the healthcare professional.

MEDILAB_{PD}
REHABILITATION TECHNOLOGIES

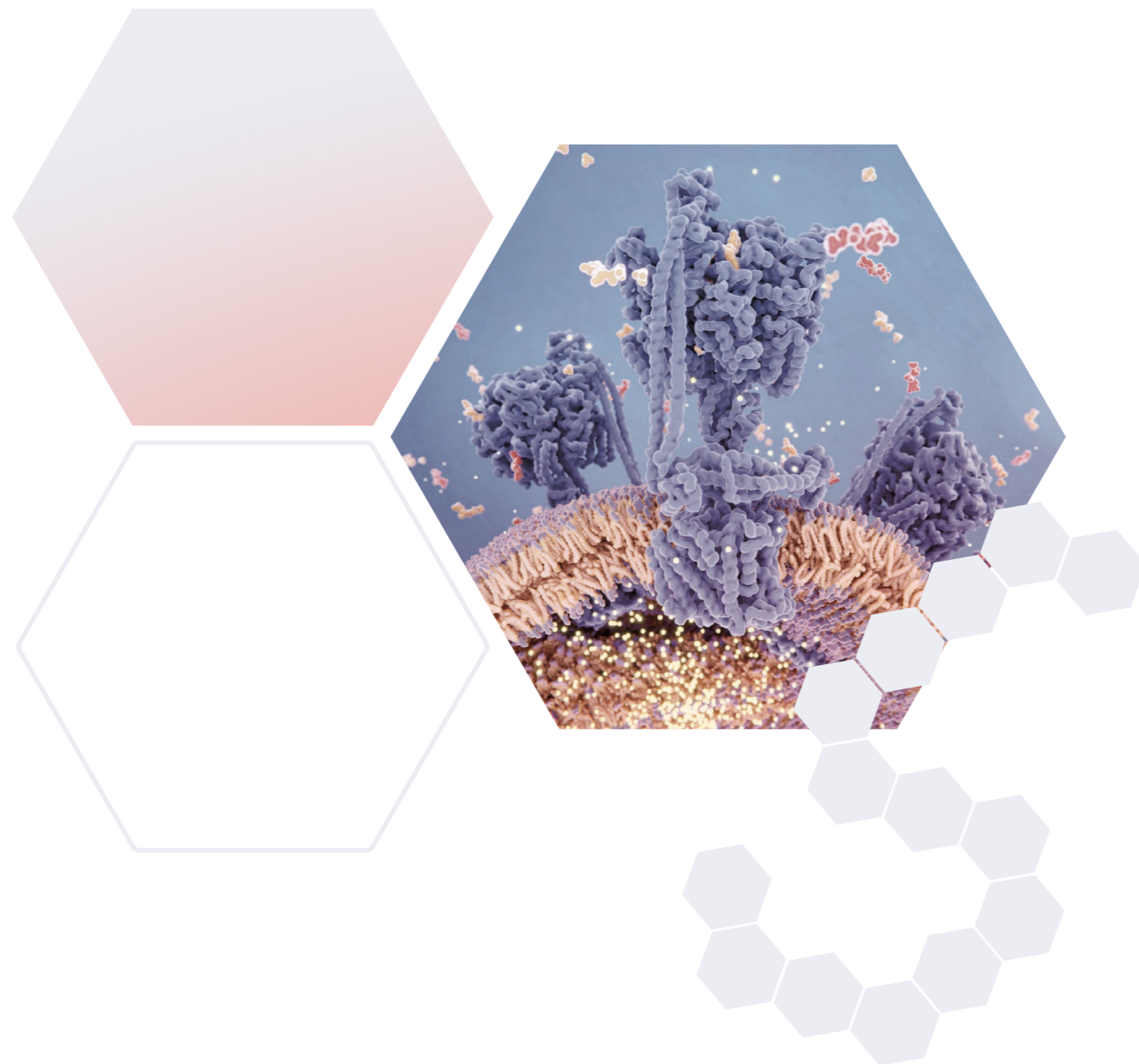


CareTherapy®

Clinical benefits

The powerful deep bio-stimulation provided by **CareTherapy®** produces important **analgesic** and **anti-inflammatory effects**, and enhances **tissue repair**, thus considerably speeding up the patient's complete functional recovery, after an injury or following an orthopaedic surgery.

CareTherapy® improves vascular tone, microcirculation and the condition of the extra-cellular matrix by restoring the its normal homeostasis. It improves tissue oxygenation and enzyme activity, and helps to reactivate normal Sodium-Potassium Pump function by re-establishing the physiological **membrane potential**.



Specific indications

CareTherapy® is particularly effective:

1 in case of oedema/haematoma and pain.
The sophisticated EMC system allows acute phase interventions for instant efficacy. Indeed, **CareTherapy®** stimulates the production of natural opioids, such as endorphins, enkephalins, proopiomelanocortin and others, to modulate pain through the Descending Spinothalamic Tract (Gate Control theory).

2 For muscle, tendon and bone injury repair.
With the combined and scientifically tested effects of PEMF, **CareTherapy®** stimulates the right production of cortisol, whose anti-inflammatory action favours the healing of injuries.

3 With synthesis devices in place.
Thanks to its innovative generator, **CareTherapy®** can be used with utmost safety on patients under treatment with internal synthesis devices, metal prosthesis, screws and rods.



Technological evolution

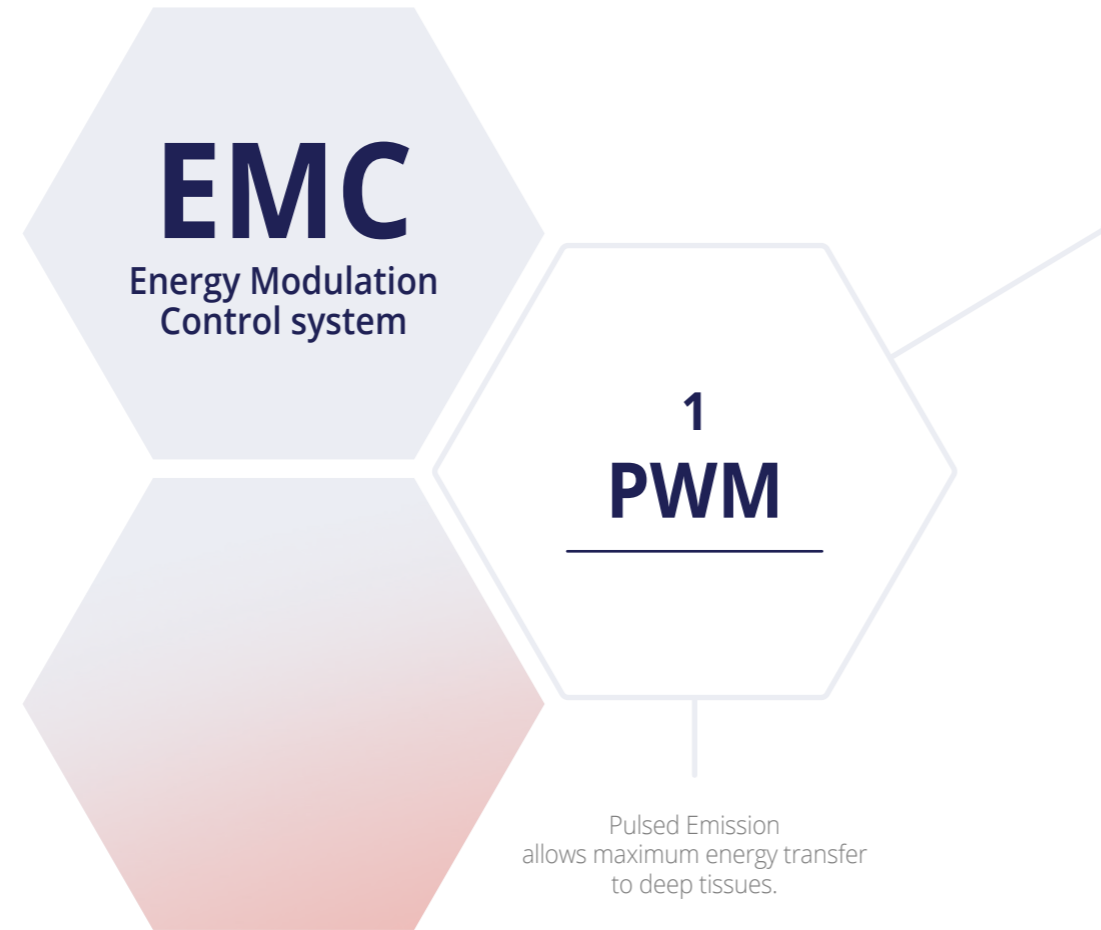
The solution for a rapid and effective therapeutic outcome: more energy transferred to deep tissues and total control of the thermal effect.

Energy Modulation Control System (EMC) is a patented technology that adapts and ensures real-time control of the three main factors which make **CareTherapy®** unique (PWM-AIS-SLF).

Endogenous: bio-stimulation applied on deep tissues reaches the surface after a few minutes, leaving the electrodes cool even during hyperthermia or homeothermia treatment.

Selective: the operator can use the most suitable energy transfer mode to selectively target muscle fasciae, tendons, joints, bones and blood vessels.

Efficient: the therapist first establishes the tissue to be treated, and then precisely and safely decides the desired effect on the same.



CareTherapy® Treatments

Orthopaedic and Post-Surgical Rehabilitation

- Edema resorption
- Rapid pain reduction
- Improve injuries and scars
- Stimulate ligament and tendon healing
- Increase bone calcification
- Muscle injury treatment



The perfect choice for treatment after:

- ACL surgery
- knee prosthesis
- hip prosthesis
- elbow prosthesis
- shoulder prosthesis
- aftermath of arthroscopies
- scapulo-humeral periarthrosis
- rotator cuff injury
- frozen shoulder
- aftermath of fractures

Example of protocols

- 1 Phase One:** use static electrodes to reduce pain and drain the edema.
- 2 Phase Two:** use static electrodes combined with passive kinesio-therapy to recover joint mobility and activate muscle function.
- 3 Phase Three:** use dynamic electrodes for biological recovery and lymphatic drainage.
- 4 Phase Four:** use static electrodes combined with functional rehabilitation systems for proprioceptive and muscle-joint recovery.

CareTherapy® Treatments

Neuro-Rehabilitation

- **Improve joint mobility**
- **Reduce muscle and joint pain**
- **Reduce edema**
- **Reduce hypertonus**
- **Reduce spasticity**
- **Reduce muscle hypotrophy**



CareTherapy® is used on thousands of patients with neurological disorders every day to reduce muscle and joint pain, and to improve both active and passive functional movement.

The kit of static electrodes, which are rapid and easy to apply, effectively assists the therapist during passive mobilization, facilitating muscle activation and extending the range of motion.



CareTherapy® Treatments

Manual therapy

The CareTherapy® system elevates quality standards of treatment provided by rehabilitation and physiotherapy centres, improving man-machine interaction and amplifying the efficacy of manual therapy.



The best choice of treatment for:

- lumbago - lumbar sciatic pain
- herniated vertebral discs
- cervical pain - cervicobrachialgia
- vertebral canal stenosis
- hip arthrosis
- knee arthrosis
- hand arthrosis
- shoulder impingement syndrome
- carpal tunnel syndrome
- dupuytren syndrome
- aftermath of fractures

"...I have never been a fan of electromedical devices but from the moment we started using CareTherapy® in our polyclinic, I observed that we can benefit from important tissue biostimulation during a treatment session, while freely using manual techniques..."

Paolo Parente
(Director General, TCIO Osteopathy Institute - Milan,
Director General, TakeCare Polyclinic - Milan)

CareTherapy® Treatments

Sports Medicine

CareTherapy® can be very useful during intensive training and preparation for competitions by improving muscle oxygenation and power.



The best choice of treatment for:

- sprains
- muscle tears
- epicondylitis
- plantar fasciitis
- tendinitis, tendinosis
- capsulitis
- bursitis
- osteitis pubis
- hematoma
- edema
- meniscal and ligamental injuries
- distortion
- dislocation
- shoulder and knee instability

Enhances drainage during post-competition recovery by removing lactic acid and waste from muscles. Rapidly eliminates **spasms** and improves **functional rehabilitation** after injuries.



Products

Made in Italy Quality

Specifications:

- touch screen display,
- therapy protocols,
- device weight 9 kg,
- device dimensions: H 130 x L 450 x D 400 (mm),
- standard accessories: trolley.

Plus CT300:

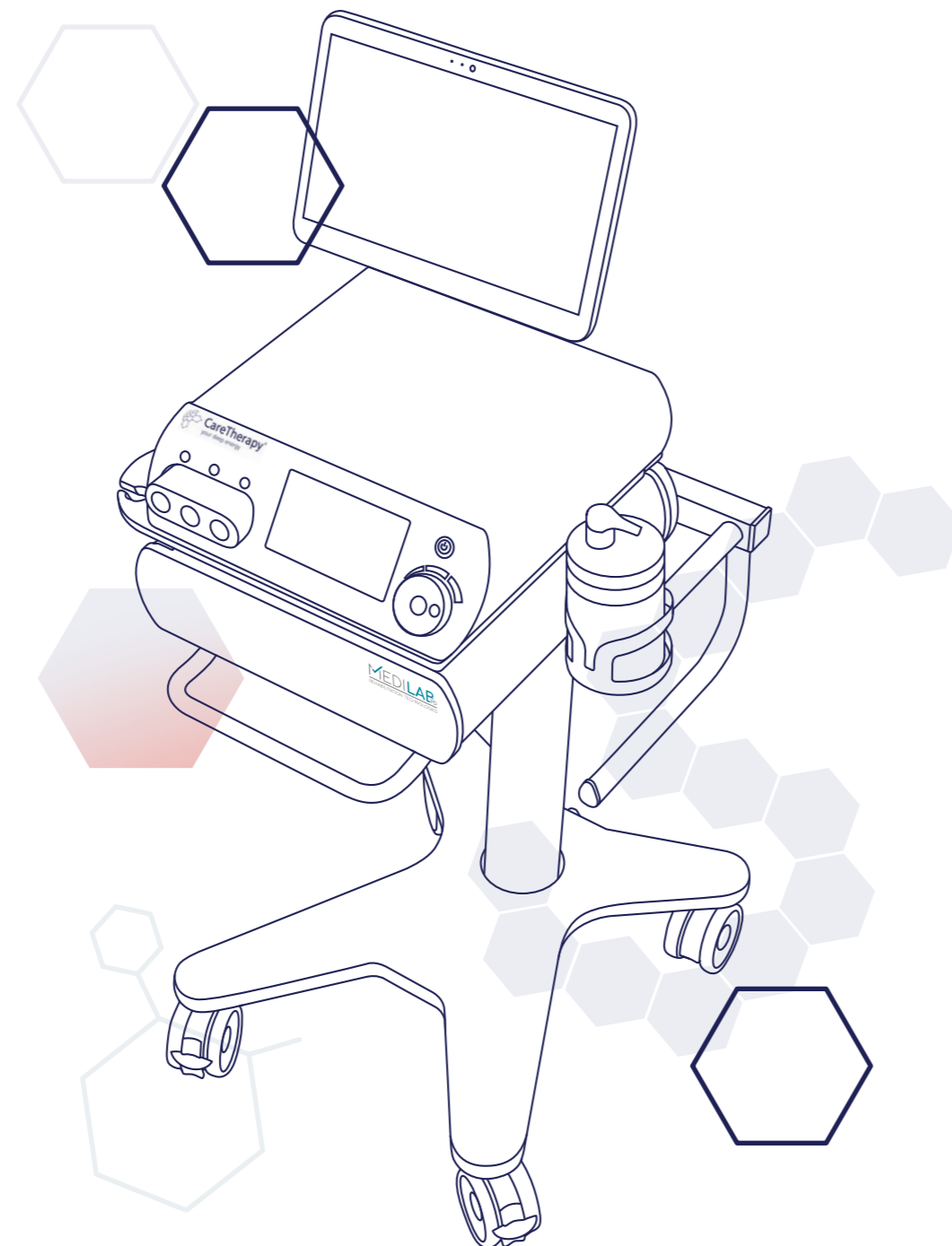
- PC control: 16" all-in-one and video protocols,
- flexible large Ground Electrode.



CT250



CT300



CareTherapy® CT300, top of the line

CareTherapy® CT300, the top model in the series, features PC interface and dedicated software. Allows patient data entries and storage of customized protocols for easy reference both during and after the rehabilitation pathway.

Every condition presents **Video protocols** suggesting the best manual technique to be practised in combination with the powerful bio-stimulation supplied.



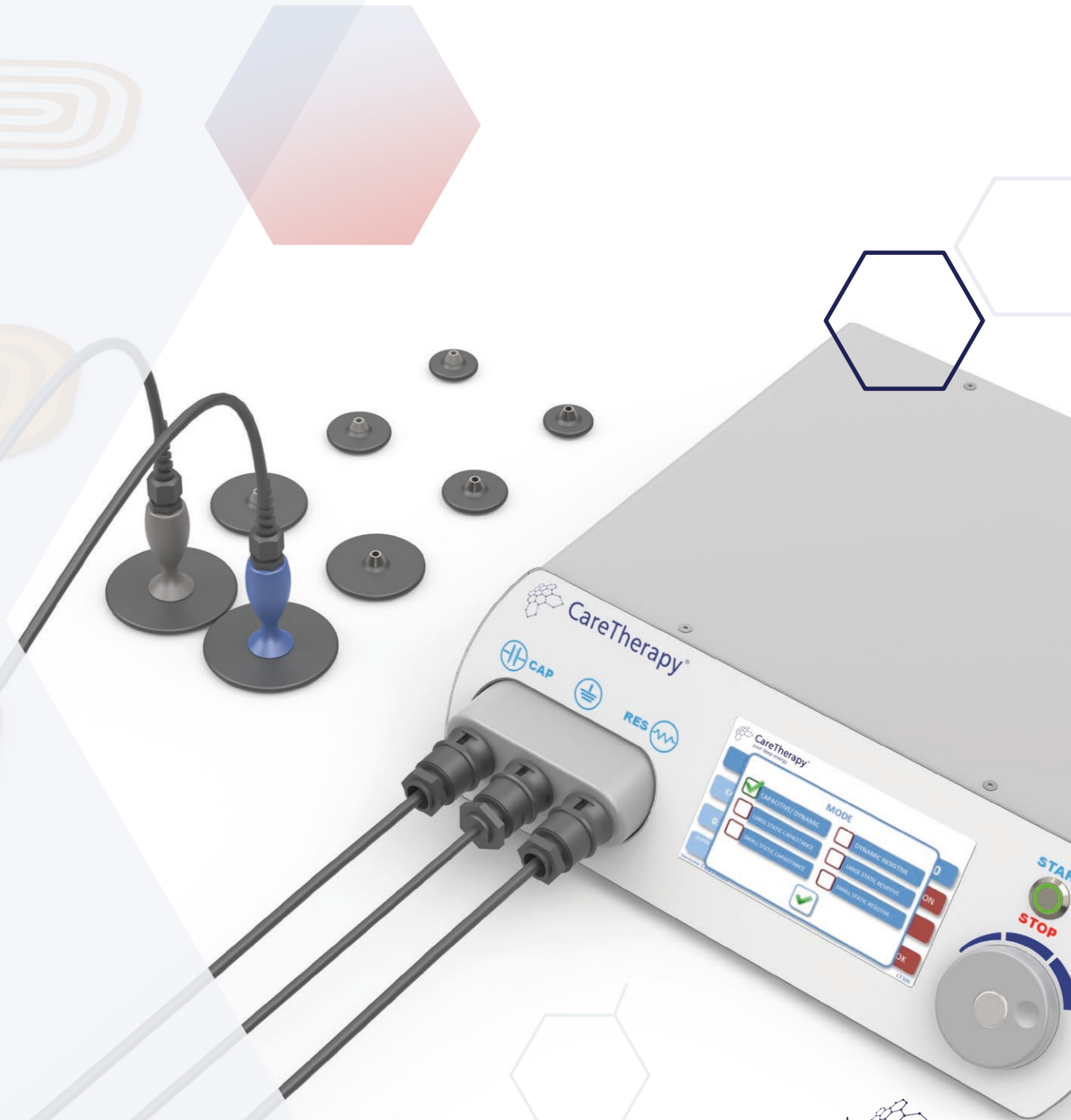
⬡ Patient and operator well-being

Safe health.

Unlike many devices on the market, **CareTherapy**[®]'s technology has been exclusively created and certified for medical use. All materials used for the device and its accessories are medical-grade and only purchased from certified suppliers to safeguard the healthcare professionals' health and safety.



- 1 Electrodes:** shielded by certified material to prevent overheating, and insulated to totally protect therapist's hand.
- 2 Hand-pieces:** ergonomic shape designed to offer the therapist a natural grip, ensuring the utmost safety.
- 3 Flexible and/or adhesive disposable ground electrodes:** for hygiene and comfortable use even with the patient's active or passive movement.
- 4 Coaxial cables and plastic connectors:** guarantee maximum and safe energy transfer for both the patient and the operator.
- 5 Dedicated conductive creams** made of entirely natural ingredients, CE certified as Class I Medical Device.



The importance of safety

Quality and certifications

CareTherapy® is a certified class IIB CE Medical Device produced by the prestigious German company **TÜV Rheinland**.

Pursuant to provisions laid down by the Consolidated Law on Health and Safety at Work (Legislative Decree 81/08) concerning protection of workers from exposure to electromagnetic fields, it guarantees **insulation, operator safety** and **maximum energy transfer to the patient**.

Scientific studies published in International Journals confirm the therapeutic validity and efficacy of **CareTherapy®** for the treatment of the most common musculoskeletal conditions.



Committed to learning

Continuing Education Program

Medilab's **CareTherapy®** team promotes constantly updated training through its **"Continuing Education Program"** for operators in the sector both in Italy and abroad. The programme comprises days of **theory lessons** and of **practical workshops** in Universities, Hospitals, Clinics and Professional Practices. The **attendance certificates** issued guarantee correct use of the technology, deep knowledge of application protocols and subsequent treatment efficacy.



Specialised Centre

For you, for your centre.

Clients may be identified as **CareTherapy® Specialised Centre**.

Benefits:

- enhanced professional visibility
- informative material for patients
- ongoing second and third level training
- direct access to scientific documentation
- free download of updated software
- active community of doctors to support the operator.





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www.caretherapy.it/en

MEDILAB_{PD}
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Via Urbania, 5 • Faenza (RA) • Italy

Tel. +39 0546 46 36 9

Fax +39 0546 29 57 1

E- Mail: info@caretherapy.it