



W I N T E C A R E[®]

T~ADVANCED



INTRODUCTION

THE NEW ERA OF TECAR HAS BEGUN

T~Advanced is the only device that seamlessly bridges decades of scientific evidence on tecar/cret technology with the extraordinary technological potential needed for a constantly evolving future.

Thanks to a power generator superior to any other tecar/cret device and an intelligent software capable of reading **energy transfer** dynamics in real time, T~Advanced represents a true turning point in the evolution of instrumental physical therapy.

For the first time, therapists can know exactly when the effect is thermal and when it is not, allowing them to dose the treatment with **absolute precision**, even on complex tissues or delicate conditions. The result?

A safer, more effective, and faster therapeutic experience.

A precise, replicable, and fully controllable treatment.

A new standard of excellence for those who demand the best — today and tomorrow.

Unprecedented comfort for every therapeutic session.



T~ADVANCED DOESN'T FOLLOW INNOVATION, IT LEADS IT.



MDR CERTIFICACION

A HIGHER LEVEL OF RELIABILITY AND CLINICAL FOUNDATION

The current European Regulation 2017/745 **MDR** (Medical Device Regulation) represents the most modern, stringent, and comprehensive standard ever applied to the certification of medical devices.

Compared with the previous directive, it imposes:

- stricter safety requirements
- more rigorous clinical evaluations
- greater traceability of the product and manufacturing processes
- thorough verification of scientific evidence supporting the claimed effectiveness

T~Advanced is the first tecar technology to have obtained MDR certification for physiotherapeutic and medical applications.

This achievement not only confirms the technical quality of the device, but also the robustness of the method with which it was designed, validated, and manufactured.

Choosing an MDR-certified device means choosing:

- maximum safety for the patient
- documented reliability for the professional
- compliance with the most current European regulations

Certificato di conformità UE
EU Certificate of Conformity

Sistema di Gestione della Qualità
Regolamento (EU) 2017/745 sui Dispositivi Medici, Allegato IX Capo I
Quality Management System
Regulation (EU) 2017/745 on Medical Devices, Annex IX Chapter I

Certificato n°: ITH 1450935 1
Certificate No.:

Fabbricante / Manufacturer: WHCcare SA
Sede legale / Registered Headquarter: Via Giuseppe Motta, 10
6830 Chiasso - Svizzera
Sede operativa / Operational Headquarter: Via Giuseppe Motta, 10
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EUDAMED Single Registration No.: CH-MF-000020338
Scopo / Scope: Dispositivi non impiantabili attivi per stimolazione o inibizione / Active non-implantable devices for stimulation or inhibition

(Vedere allegato al presente Certificato per la descrizione dei dispositivi)
(See the attachment to this Certificate for devices description)

L'Organismo Notificato dichiara che i requisiti dell'Allegato IX, Capo I, Sezione 2 e 3 del Regolamento (EU) 2017/745 sono soddisfatti per i prodotti riportati. Il suddetto fabbricante ha stabilito e mantiene un sistema di gestione della qualità, che è soggetto ad una sorveglianza periodica così come definita nell'Allegato IX, Capo I, Sezione 3 del suddetto Regolamento. Se questo Certificato copre dispositivi di classe II o classe IIa impiantabili, come riportato nel secondo paragrafo dell'Articolo 52(1), è richiesto un Certificato UE di Verifica della Documentazione Tecnica in accordo al Capo II, Sezione 4.9 prima dell'immissione in commercio. The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the Regulation (EU) 2017/745 have been met for the listed products. The above named manufacturer has established and applies a quality management system, which is subject to periodic surveillance, defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. If class IIb devices or class IIc implantable devices referred to in the second subparagraph of Article 52(1) are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 4.9 is required before placing them on the market.

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L'organismo notificato / Notified Body
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Autorizzata dal Ministero della Salute e dal Ministero dello Sviluppo Economico
Accredited by Ministry of Health and by Ministry of Economic Development

Organismo notificato con il numero 1936 presso la Commissione Europea
Notified under No. 1936 to the EC Commission

CE La marcatura CE può essere apposta esclusivamente se vengono soddisfatti i requisiti di tutte le direttive CE applicabili
The CE marking may be used if all relevant and effective EC Directives are complied with CE

MS-0044237 Rev. 0 - 15/10/2021
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TECAR / CRET TECHNOLOGY

IT ALL STARTS WITH ENERGY, BUT NOT ALL ENERGY IS THE SAME

In physiotherapy, every reaction beneficial to recovery depends on energy transfer. This is the principle on which cret technology – Capacitive Resistive Energy Transfer – also known as tecar, is based.

By applying an electromagnetic field in contact with the body, a tecar/cret device activates endogenous responses in the tissues. But what makes the difference is not just the type of energy, but how it is generated, controlled, and adapted to the tissue — and this is where the quality of the device becomes crucial.

WHY IS FREQUENCY FUNDAMENTAL?

0.448 MHz is not an arbitrary value.

It is the most studied, most published, and safest frequency according to international scientific literature. The vast majority of high-impact studies on TECAR technology focus on this specific frequency (and its $\pm 5\%$ range), making it the only one **scientifically validated** with strong evidence.

T~Advanced operates precisely at this frequency, doing so with higher power and an **intelligent, dynamic** control that no other device on the market can offer.



BEYOND HEAT: THE BIOLOGICAL EFFECTS

Many associate tecar therapy exclusively with its thermal effect. However, **the energy transferred at 0.448 MHz also triggers non-thermal responses** that are fundamental in rehabilitation, prevention, and performance.

As highlighted in dozens of published studies, the biological effects of tecar/cret include:

- increased perfusion and microcirculation
- stimulation of cell proliferation
- modulation of inflammatory processes
- enhanced tissue oxygenation
- anti-edematous effects
- pain reduction
- reduction of spasticity
- antifibrotic effects
- regulation of anti-ageing pathways
- stimulation of collagen and fibronectin production
- selective cytostatic effects on harmful cells

These **cellular, molecular, and tissue** mechanisms can be fully harnessed **only when the energy is controlled, precise, and dosable**, and T~Advanced is the ideal tool to achieve this.

PRECISION MAKES THE DIFFERENCE

T~Advanced is the first device capable of measuring in real time both the amount of energy transferred and the temperature at the electrode-tissue interface. This means knowing exactly when heat is being generated and when only non-thermal biological effects are occurring, enabling a targeted, safe, and effective clinical action — even in the most delicate situations.

CAPACITIVE AND RESISTIVE MODES: TWO APPROACHES, ONE CONTROL

T~Advanced operates in two distinct modes:

- capacitive → localized action on soft tissues with high conductivity (muscles, fascia, dermis)
- resistive → generalized action with a focus on tissues with higher resistance (bones, joints, tendons)

Recent studies conducted by independent laboratories have made it possible to gain a more precise understanding of the specific effects of each mode.

In **resistive** mode, the therapist can:

- rapidly increase the temperature of hard tissues
- enhance perfusion and oxygen saturation
- stimulate deep vasodilation
- support reparative processes thanks to the proliferative effect of mesenchymal cells induced by the 0.448 MHz electromagnetic field

In **capacitive** mode, on the other hand, it is possible to

- raise the temperature of soft tissues (muscles, fascia, dermis, adipose tissue)
- promote fluid drainage through hypothermic electrodes
- induce venous vasodilation through a relaxing effect on superficial tissues

Unlike any other device in the tecar category, **T~Advanced provides objective, detailed, real-time information about what is happening within the tissue:**

- the amount of energy effectively transferred
- the percentage of energy converted into heat
- the temperature reached by the electrode
- the type of electrode used and the response generated

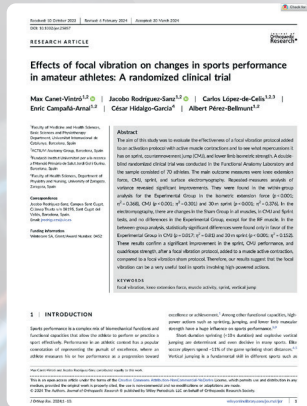
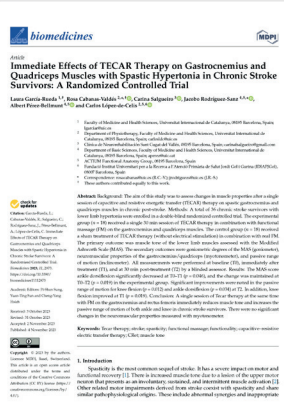
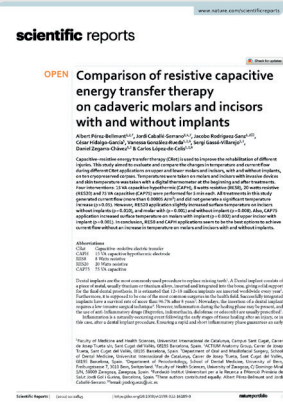
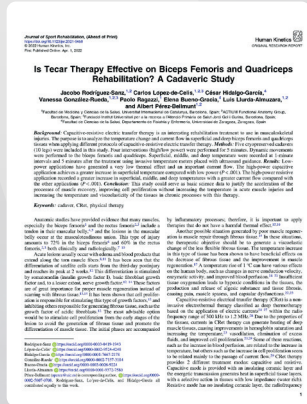
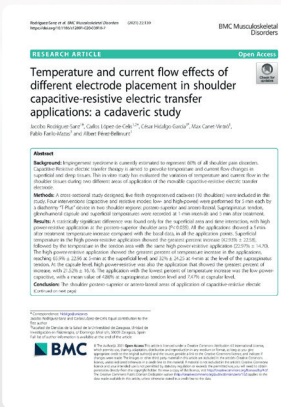
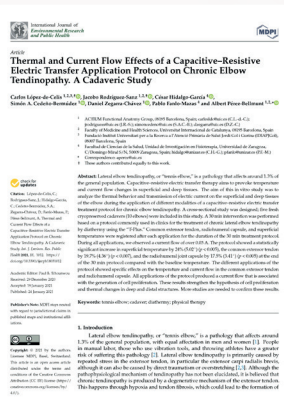
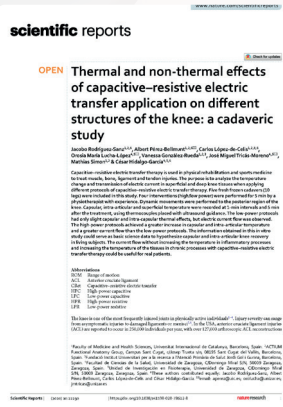
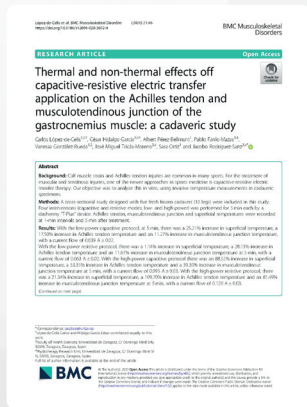
ELECTRODE
STATUS

WINTECARE'S COMMITMENT TO SCIENTIFIC RESEARCH

ACADEMIC ENVIRONMENT TO EVERYDAY CLINICAL PRACTICE

Wintecare collaborates continuously with two **European universities** in the development of scientific research applied to tecar/cret technologies. Each year, these collaborations result in studies published in high-impact international journals, which contribute to validating the effectiveness of Wintecare technologies and to defining new treatment protocols based on **scientific evidence**.

This synergy between the academic world and clinical practice represents one of the cornerstones of the Wintecare method: technology, research, and training in support of professionals and patients around the world.





HYPOTHERMIC OR HYPERTHERMIC? NOW YOU CAN KNOW

Hypothermic or hyperthermic electrodes, which remain tools of great clinical value, are now supported by advanced detection systems capable of measuring and interpreting the thermal dynamics of the treatment in real time.

With T~Advanced, it is possible to **visualize in real time** whether the treatment is being delivered in a “thermal” or “non-thermal” stimulation mode, to adjust intensity, and to adapt the therapy according to the clinical objective — all with unprecedented precision.

TECHNOLOGY BORN FROM SCIENCE THAT INSPIRES RESEARCH

T~Advanced embodies everything that the scientific community knows about tecar/crét technology, translating it into a concrete, powerful, and intelligent device.

It is a tool that respects fundamental physiological principles — and takes them further, thanks to an advanced interface, unmatched power, and objective control that enables therapists to **manage energy** like never before.

Its features make it possible to explore the effects of the electromagnetic field on the body in even greater depth, paving the way for a new era of physical therapy — to the benefit of both practitioners and patients.

MODES OF USE

EVERYTHING YOU NEED IN A SINGLE DEVICE. WITHOUT COMPROMISE

In the therapeutic field, there is no single approach suitable for everyone. Every patient, every tissue, and every stage of treatment requires different strategies, energy levels, and precision.

T~Advanced has been designed to adapt to any clinical requirement, offering specialized application modes that are intuitive for beginners and highly advanced for experienced practitioners.

PENETRATION AND METABOLIC SUPPORT

DYNAMIC RESISTIVE MODE

Ideal for rapidly reaching deep, resistant tissues such as joints, ligaments, tendons, and bone insertions. It enhances perfusion, stimulates mesenchymal cell proliferation, and supports reparative processes in the sub-acute and chronic phases.

TONE AND SOFT TISSUE ELASTICITY

DYNAMIC CAPACITIVE MODE

Perfect for muscles, fascia, dermis, and localized adipose tissue. Depending on the electrode used (hypothermic or hyperthermic), it allows for drainage, relaxation, vasodilation, or selective activation of the treated areas.

PRECISE AND MEASURABLE TREATMENT

DOSIMETRIC MODE

Enables you to determine exactly how much energy to transfer, where, and for how long. It is ideal for cases requiring precise dosage control, such as inflamed, fragile, or early post-operative tissues.

WHEN THE THERAPIST NEEDS FREE HANDS

STATIC MODE WITH FIXED PLATES

In this configuration, energy is delivered continuously through plates stably positioned on the body, allowing the therapist to keep their hands free and enabling the patient to perform active exercises or assisted movements. It is the ideal mode for: joint recovery with guided movement, postural and neuromuscular re-education, prolonged passive stimulation, combination with manual or osteopathic techniques.

The fixed plates, combined with specially designed cables, ensure consistent dosage and superior comfort, even during longer treatments.

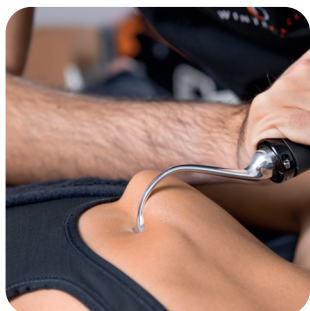
TISSUE STIMULATION AND RELEASE

MODE WITH DIATHERMIC FIBROLYSERS

Unique tools that combine diacutaneous fibrolysis techniques with controlled energy transfer. The mechanical action integrates with endogenous energy to treat adhesions, stiffness, scars, and fibrosis with maximum patient comfort.

ACCESSORIES THAT COMPLETE VERSATILITY

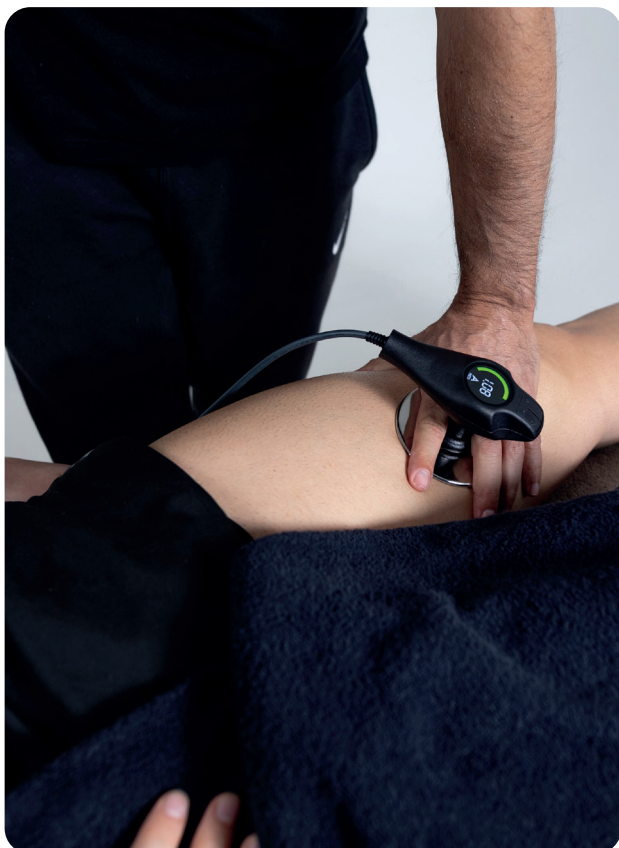
- **diathermic fibrolyzers** for scar tissue and adhesions
- **fixed plates** for static, dynamic, and dosimetric therapy
- **heated pocket** for the return plate (enhanced patient comfort)
- **hypothermic and hyperthermic** electrodes to dynamically regulate tissue response
- **resistive electrodes without conductive lotion** for maximum manual sensitivity when combined with complex manual techniques



SIMPLE, YET NEVER ORDINARY

T-Advanced adapts to the therapist — and grows with them. Those using it for the first time can achieve immediate results. Those who explore its potential in depth will transform it into a **natural extension of their clinical approach.**

Thanks to the integrated display on the handpiece, quick-access controls, automatic electrode recognition, and real-time measurement of energy and temperature, **the entire treatment experience becomes smoother, more precise, and safer.**



Say goodbye to...

- wasted time
- overheating return plates
- burning electrodes
- fear of burning the patient
- “iron-like” application
- approximate or inconsistent treatments
- uncomfortable sensations

WITHOUT CONDUCTIVE LOTION

CONTACT BECOMES AUTHENTIC AGAIN. AND EVERYTHING CHANGES

In many TECAR devices, the use of conductive lotion is considered essential. However, what was initially introduced as a solution to a limitation — the high resistance of the skin to current flow — often becomes an obstacle to the effectiveness of the therapeutic action.

With T~Advanced, that limitation has been eliminated.

Thanks to advanced signal generation engineering and the specific design of resistive electrodes, it is now possible to transfer energy powerfully, precisely, and in a controlled manner — even **without any conductive medium** on the skin.

FOR THE THERAPIST: TANGIBLE CONTROL

Working on a surface free of emollients **means feeling the tissue**, not the lotion.

It allows the application of myofascial, osteopathic, or deep friction techniques without losing grip or precision.

- no slippage between hand, applicator, and epidermis
- maximum grip even on small structures and deep planes
- possibility of working on sensitive or reactive skin
- goodbye to lotion-induced irritation, incompatible ingredients, or unwanted residues
- no barrier between manual input and tissue response

Con T~Advanced, el terapeuta experimentado puede redescubrir el lenguaje de la mano, integrándolo de forma natural con la energía instrumental. Una extensión, no una sustitución.

FOR THE PATIENT: UNCOMPROMISING COMFORT

The absence of lotion does not lead to dryness or discomfort.

On the contrary, the treatment feels more natural, gradual, and predictable:

- heat develops progressively, never suddenly
- no “greasy” sensation after the session
- the contact feels cleaner, more authentic, and more respectful

Even patients with sensitive skin, allergies, or tactile discomfort report a greater sense of comfort and engagement during treatment.

No other system on the market is capable of maintaining such high levels of energy, continuity, and safety under real friction conditions.

Only T~Advanced truly allows you to choose how to work: with or without lotion, depending on the technique, treatment area, or clinical condition.

It is not a compromise, it is an additional clinical freedom.

BENEFITS IN THERAPY AND REHABILITATION

ONE SINGLE GOAL: RESTORING THE BODY TO ITS OPTIMAL STATE OF HEALTH

Every rehabilitation process is different, but it shares a single purpose: to restore the body's full functionality. Whether starting from an acute post-traumatic phase or a chronic degenerative condition, the only difference is the starting point.

T~Advanced is designed to be **effective at every stage**, from early intervention to functional reconditioning.

Its ability to modulate intensity, depth, and type of effect allows every treatment to be personalized according to the clinical goal, with the certainty of a measurable outcome.



DRAINAGE AND EDEMA MANAGEMENT

La estimulación hipotérmica en modalidad capacitiva, combinada con parámetros energéticos sub-térmicos, favorece:

- la reducción de la carga hidrostática tisular
- la eliminación de catabolitos inflamatorios
- la mejora de la dinámica linfática y venosa

Resulta útil en casos de traumatismos recientes, postoperatorios, insuficiencia vascular o tejidos inflamados con riesgo de sobrecarga.

STIMULATION OF REPARATIVE PROCESSES

Thanks to the 0.448 MHz frequency and precise control of delivered power, T~Advanced can:

- activate mesenchymal cell proliferation
- stimulate fibroblasts and keratinocytes
- accelerate the formation of a functional extracellular matrix

All this without the need for heat generation, making it ideal in sub-acute phases or whenever deep action is required without thermal risk.

THERAPEUTIC THERMAL EFFECT

When the treatment requires heat, T~Advanced technology allows for:

- controlled and progressive heating
- a selective effect on soft or hard tissues, depending on the mode (capacitive or resistive)
- optimization of viscoelasticity and tissue mobility

The increase in temperature helps to reduce pain, facilitate joint mobilization, and enhance local metabolic activity. Clinical examples: adhesive capsulitis, post-traumatic fibrosis, range-of-motion (ROM) limitations.

MODULATION OF INFLAMMATION

Numerous studies have documented the ability of tecar/cret at 0.448 MHz to:

- modulate the acute and chronic inflammatory response
- reduce the overexpression of cytokines and pro-inflammatory mediators
- stimulate the controlled release of endorphins

It is therefore a non-invasive strategy to reduce pain and promote recovery, for example in conditions such as tendinosis, myofascial syndrome, bursitis, and radicular pain.

OPTIMIZATION OF PERFUSION AND OXYGENATION

Through selective regulation of temperature and current, it is possible to:

- increase capillary and deep blood flow
- improve tissue oxygen saturation
- facilitate nutrient exchange and removal of metabolic waste

This provides concrete support for all stages of tissue healing and is particularly beneficial for patients with reduced peripheral circulatory capacity.

ONE SINGLE DEVICE FOR EVERY STEP OF THE TREATMENT

From early intervention to advanced regeneration, T~Advanced offers professionals a unique, reliable, and measurable platform. The possibility of working in hypothermic or hyperthermic modes, manual or static applications, with deep or superficial stimulation, **allows clinicians to meet any therapeutic need** — without changing devices or relying on approximate protocols.



BENEFITS FOR SPORTS PERFORMANCE

MANAGING EVERY PHASE OF THE ATHLETE'S JOURNEY, WITH A SINGLE DEVICE

Sports performance is not limited to the athletic gesture itself. Behind every achievement lies a delicate balance between load and recovery, preparation and regeneration, prevention and treatment.

T~Advanced has been designed to **support the athlete throughout every phase** of this cycle, providing therapists with a unique tool to intervene effectively and safely, whether in the presence of an injury or in optimal physical condition.

BEFORE, DURING, AFTER. ALWAYS.

In the context of sports, physiotherapy is no longer just a post-injury intervention — it is an **integral part of performance enhancement**.

T~Advanced can be used:

- before activity: to optimize mobility, activate microcirculation, and reduce injury risk
- during loading phases: to manage fatigue, stiffness, and myofascial stress
- after activity: to accelerate recovery, reduce DOMS, and restore neuromuscular balance

MUSCLE RECOVERY AS A STRATEGIC PIVOT

One of the areas where T~Advanced demonstrates its maximum effectiveness is **muscle recovery**.

By modulating current and heat, it is possible to:

- promote drainage of accumulated acidic metabolites
- stimulate the restoration of neuromuscular function
- reduce the risk of sequential overload during intense microcycles

Thanks to its application versatility (static, dynamic, with or without active movement), every intervention can be personalized, even according to the specific sport discipline or phase of the season.

PREVENTION, PERFORMANCE, AND TECHNICAL EXECUTION

Targeted stimulation of the tissues involved in a specific technical gesture makes it possible to:

- prepare the myofascial system for functional demand
- reduce postural compensations
- improve integration between structure and function

During preparation cycles, T~Advanced **allows selective action on biomechanics without interfering with athletic performance**.

MORE THAN PERFORMANCE: GLOBAL ATHLETE MANAGEMENT

T~Advanced can also be integrated into often overlooked yet essential aspects of performance, such as:

- regulation of sleep-wake rhythm after jet lag
- reduction of neurovegetative stress before competition
- systemic support during periods of cognitive or emotional load

SUPPORT FOR SPECIALIZATION IN SPORTS PERFORMANCE

Through its *Performance Division*, Wintecare has successfully used this technology at the highest international levels, including:

- World Championships and Olympic Games
- Diamond League circuit, MLB, Premier League, Abbott World Marathon Majors circuit

And not only that — many of Wintecare's partner clinics, by integrating these technologies and treatment programs into their services, have developed effective and sustainable business models, specializing in a sector that is more strategic than ever: sports performance.

EFFECTS ON THE BODY

MULTIPLE SYSTEMS, ONE DEVICE. THE INTERACTION THAT MAKES THE DIFFERENCE

The human body is not a collection of isolated systems, but an integrated functional unit. In every clinical condition — acute or chronic — the body's ability to heal and regenerate depends on the virtuous cooperation between circulation, cellular metabolism, immune response, inflammation control, and tissue integrity.

T~Advanced does not act on a single target but stimulates a variety of deep, simultaneous, and interconnected physiological effects, documented by years of published scientific research.

With a scientifically proven electromagnetic signal — safe, non-invasive, and without introducing chemical molecules — it is possible to reactivate the body's self-regulating capabilities in a measurable, selective, and clinically relevant way.

CIRCULATORY AND MICROVASCULAR EFFECTS

The increase in blood and lymphatic perfusion, induced both superficially and deeply, leads to:

- improved tissue oxygenation
- accelerated clearance of inflammatory catabolites
- reduction of edema and local hydrostatic load

Clinical benefit: support for post-traumatic or post-surgical recovery, inflammation and effusion management, and improved local metabolic efficiency.

CELLULAR AND TISSUE EFFECTS

The 0.448 MHz electromagnetic field selectively stimulates:

- proliferation of mesenchymal cells, fibroblasts, and keratinocytes
- neocollagenesis and fibronectin production
- modulation of anti-senescence pathways

Clinical benefit: regeneration of functional tissue (not just scar formation), stimulation of damaged tissue restructuring, and prevention of premature cellular aging.

SELECTIVE THERMAL EFFECTS

The controlled passage of current generates measurable, localized heat that:

- reduces stiffness and improves elasticity
- modifies muscle tone and range of motion
- enhances local metabolic activity
- modulates nociception

Clinical benefit: restoration of mobility, movement preparation, and reduction of pain symptoms in chronic or degenerative conditions.



IMMUNOMODULATORY AND ANTI-INFLAMMATORY EFFECTS

T~Advanced is capable of:

- modulating the expression of inflammatory cytokines
- interacting with the NF-kB pathway, which plays a crucial role in inflammatory and reparative responses
- reducing tissue hyperactivation without blocking the physiological process

Clinical benefit: containment of inflammation in favor of tissue repair. Extremely useful in conditions such as tendinosis, tendinitis, DOMS, acute pain, muscle tears, and fractures.

NEURO-MUSCULAR EFFECTS

Studies show:

- reduction of spasticity and hypertonia in post-stroke patients
- normalization of muscle tone in fatigued or overloaded individuals
- influence on peripheral motor control

Clinical benefit: improved motor function, restored postural control, and support in functional re-education programs.

TARGETÉD PRECISION WITH T~ADVANCED

All these effects are neither theoretical nor generic. With T~Advanced, every parameter is measurable, visible, and adjustable in real time, allowing the therapist to:

- choose which responses to activate
- assess the achieved thermal effect
- intervene safely, even on fragile or reactive tissues

Clinical benefit: total control over the stimulus
→ response relationship

PHYSIOLOGY OF THE TREATMENT

THE BODY RESPONDS. THE THERAPIST DECIDES FROM TISSUE REACTION TO THERAPEUTIC STRATEGY

The effects that T~Advanced can activate in the body — increased perfusion, cellular proliferation, modulation of inflammation, stimulation of drainage, regulation of muscle tone, and thermal elevation — are not ends in themselves.

They are physiological tools that, when skillfully guided, allow the therapist to actively influence the main biological processes involved in healing and functional improvement.

The strength of T~Advanced lies precisely in this: transforming scientific knowledge into clinical strategy.

POSITIVE INFLUENCE ON INFLAMMATORY PROCESSES

Through the targeted use of hypothermic modes and sub-thermal parameters, the therapist can modulate the activity of pro-inflammatory mediators, stimulating a controlled and functional response.

The induced perfusion promotes molecular turnover, catabolite elimination, and reduces local congestion, accelerating the return to a physiological condition.

Clinical benefit: effective management of acute or chronic inflammatory states, even in the early post-trauma or post-surgical phases.

STIMULATION OF REPARATIVE PROCESSES

The selective activation of cellular proliferation — particularly fibroblasts and mesenchymal cells — enables the therapist to actively promote tissue regeneration, both in soft and connective tissue.

Thanks to real-time control of energy and temperature, it is possible to support repair without overload, even in fragile structures.

Clinical benefit: improved quality of repaired tissue, reduced healing times, and early intervention without adverse effects.



GUIDED MUSCLE RECOVERY

Deep drainage, tone normalization, and localized vasodilation are fundamental mechanisms in neuromuscular recovery. T~Advanced allows the therapist to precisely modulate the intervention, adapting it to the state of the muscle (fatigued, contracted, or hypoactive).

Clinical benefit: reduction of DOMS, improved motor control, and prevention of overload-related injuries.

BIOMECHANICAL REGULATION

Through selective thermal effects, reduced tissue stiffness, and induced myofascial release, it is possible to intervene on the patient's global or segmental biomechanics.

Static or dynamic modes, with or without active movement, allow targeted work on muscle chains, key points of motor gestures, or compensatory areas.

Clinical benefit: improved range of motion (ROM), increased movement fluidity, and restoration of integrated functionality.

THE THERAPIST AS A PHYSIOLOGICAL DIRECTOR

Thanks to precise dosage control, real-time feedback, and the wide range of applications offered by T~Advanced, the therapist does more than simply deliver energy.

They direct real biological processes, modulating them according to diagnosis, clinical stage, and therapeutic objectives. T~Advanced puts physiology at the service of clinical strategy — and places the therapist at the center of the treatment.

CHOOSING T~ADVANCED

FOR THOSE WHO WANT TO LEAD EVOLUTION. NOT JUST FOLLOW IT.

Some devices are updated, and others are game changers.

T~Advanced was created for those who aren't content with reproducing protocols, but rather want to create results with a full understanding of the physiological mechanisms involved.

MÁXIMUM POWER. MAXIMUM CONTROL.

T~Advanced is the only device capable of:

- transferring energy powerfully and stably, even in high-resistance tissues where other devices lose effectiveness
- measuring in real time how much energy is converted into heat and how much acts without thermal effect, stimulating deep and documented cellular responses

This is not just a technical detail: it is what elevates the therapist who uses it, because knowing what happens inside the body means **guiding physiology**, not merely hoping for an automatic response.

VENTAJAS CLAVE

- non-thermal effects that can be effectively utilized, thanks to the precision of parameters and modes
- real power under control, in any condition and for any tissue
- objective safety, even on delicate or inflamed areas
- transparent data: energy, temperature, and current are always visible and verifiable
- unprecedented therapeutic versatility, from lymphatic drainage to deep stimulation of hard tissues

DETRAS DE LA TECNOLOGIA, UN ECOSISTEMA

T~Advanced is the result of over ten years of internal research, continuous development, and scientific validation. But above all, it represents the concrete expression of Wintecare's experience:

- an internal technology laboratory that studies every detail of the electromagnetic signal
- collaborations with European universities for independent research projects
- an international network of specialists contributing daily with clinical cases, feedback, and new applications
- rigorous certification and quality control processes compliant with regulatory frameworks worldwide
- a constant presence in professional sports: Olympics, World Championships, Diamond League, MLB, Premier League
- personalized training and strategic support for every client
- the *World Wintecare Summit*, where hundreds of professionals meet to share, learn, and grow

Choosing T~Advanced does not mean simply acquiring a device; it means joining a hub of continuous transformation, where physiotherapy evolves every single day.

UNA ELECCION QUE ELEVA LA PRACTICA CLINICA

Those who choose T~Advanced choose to be the protagonist of change.

No un simple usuario pasivo de la tecnología, sino un terapeuta que guía la evolución de su profesión con herramientas reales, seguras y científicamente fundamentadas.

WHAT MAKES T~ADVANCED UNIQUE

MANUAL SKILL AND ADVANCED TECHNOLOGY MERGE

T~Advanced is not just a device — it is a complete and innovative solution designed to elevate your therapeutic practice.

With intelligent technologies and unique functionalities, this instrument combines precision, efficiency, and versatility to enhance every treatment.

- **adaptive power and current delivery to the treated tissue:** thanks to specialized sensors, T~Advanced automatically adjusts power and current based on treatment conditions, ensuring personalized applications and optimal results.
- **maximum power with maximum safety:** the device is engineered to deliver maximum power even in cases of high tissue electrical resistance, minimizing treatment time while maintaining patient safety and maximum therapeutic efficacy.
- **single intelligent handpiece:** an intelligent design that integrates all control functions directly into the handpiece, making the device easy to use and reducing setup time.
- **automatic CAP/RES electrode recognition:** T~Advanced automatically identifies the electrodes in use, ensuring precise application and simplifying treatment management.
- **real-time monitoring of temperature and transferred joules:** continuous feedback during treatment provides detailed information on transferred energy and temperature, allowing precise and safe treatment monitoring and adjustment.
- **treatment control via handpiece:** the intelligent handpiece allows the therapist to manage the entire treatment without interrupting therapy, improving workflow smoothness and operational efficiency.
- **multiple modes for every therapeutic need:** includes static, dynamic, dosimetric, and fibrolysis modes, offering a wide range of options to customize treatments according to clinical conditions.
- **usable without conductive lotion:** ideal for combining manual and instrumental therapies, particularly in myofascial or osteopathic techniques, enhancing treatment effectiveness.



T~ADVANCED IS DESIGNED FOR THOSE SEEKING ROBUST, ADVANCED SOLUTIONS AND TANGIBLE RESULTS.

FIELDS OF APPLICATION

MDR EU CERTIFIED - REGULATION NO. 2017/745
AS A MEDICAL DEVICE FOR THE TREATMENT OF:

- treatment of painful joint conditions (osteoarthritis, arthritis)
- inflammatory processes of the extremities and spine with painful symptoms (cervicalgia, dorsalgia, and lumbago)
- musculoskeletal injuries (contractures, muscle strains and sprains, tendinitis, sprains, synovitis, bursitis)
- treatment of peripheral vascular disease
- external treatment of musculoskeletal injuries of the pelvic floor
- external treatment of pelvic floor pain
- pre-surgical and post-surgical treatments: drainage of edema, accelerated healing



SCIENTIFICALLY PROVEN
NON-MEDICAL APPLICATIONS:

- muscle recovery
- biomechanical optimization
- cellulite
- wrinkles
- localized adiposity
- stress reduction



PATENTED TECHNOLOGY

THE INNOVATIVE RADIOFREQUENCY GENERATION METHOD, COMBINED WITH THE POWER DELIVERY SYSTEM, HAS BEEN FILED AS AN INTERNATIONAL PATENT.

KEY COMPONENTS

ACTIVE ELECTRODES

- 5 resistive electrodes
- 6 hyperthermic capacitive electrodes
- 1 hypothermic capacitive electrode
- 1 enhanced hypothermic capacitive electrode

NEUTRAL ELECTRODE

- 1 high-flexibility return plate

HANDPIECES

- 1 intelligent handpiece

OTHER COMPONENTS

- power cable
- protective case for electrodes

TECHNICAL CHARACTERISTICS

- Medical device with MDR Class I BF certification
- Power supply and network frequency: 100 – 240 V, 50 – 60 Hz
- Input fuses: 2 x T5A H 20 V
- Frequency: 0,448 MHz $\pm$ 0,05%
- Power: RES: 220V $\pm$ 5% / 300W $\pm$ 10%/
CAP: 600 V $\pm$ 5% / 450VA $\pm$ 10%/
○ Dimensions: 42 cm x 36,5 cm x 22 cm

SPECIAL ACCESSORIES

• RESISTIVE ELECTRODES

WITHOUT CONDUCTIVE LOTION

high current levels combined for maximum skin adherence, enabling optimal joint manipulation.

• CABLES FOR DOSIMETRIC MODE

maximum precision in the amount of energy delivered

• CABLES FOR STATIC MODE

maximum precision in the amount of energy delivered.

• DIATHERMIC FIBROLYSERS

effective fibrolysis with reduced pain





W I N T E C A R E®



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