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WINBACK brings a revolutionary evolution in the physiotherapy by combining the manual therapy expertise and the TECAR energy. Called TECARTHERAPY, this therapy is an analgesic treatment and fast healing for the muscles and joints disorders which enables to accelerate patient rehabilitation.

"With my BACK3S new generation, I get unexpected progress in acute and chronic conditions, making the treatment more efficient, faster and more motivating for my patients."

"My BACK3S fits my manual expertise so well that it’s easy to practice."

"I offer a painless and efficient treatment. I get fast and stable results during the first session. With absence of contraindications, I could treat 95% of my patient."

The new BACK3S displays a very unique and unseen minimalist style in the TECARTHERAPY universe. An elegance that leaves a structured space to its accessories and allows an easy handling via a touch screen. Its shapes and modular options (trolley or wallet) fit perfectly the therapist needs either in his office or for his travels.

The BACK3S outline evokes the efficiency and the lightness that we also find with the embedded and progressive technology. Since its conception, the BACK3S has had the vocation to combine the pristine TECAR signal and its optimization by using the new electronic components and the most demanding manufacturing methods in the medical community.

At each stage of its design, the BACK3S received special care to reach the best quality level and user experience.

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FOR MY EXPERTISE
My action is selective, deep for untouchable tissues. My BACK3S fits my manual expertise so well that it’s easy to practice.

FOR MY PATIENTS
I offer a painless and efficient treatment. I get fast and stable results during the first session. With absence of contraindications, I could treat 95% of my patient.

TECARTHERAPY
YOUR ACCELERATED REHABILITATION

TECARTHERAPY OFFERS NUMEROUS PROTOCOLS FOR REHABILITATION AND SPORT MEDICINE

BACK3S
TECAR FOR WINBACK

WINBACK3S
TECAR FOR WINBACK
The **BAC**ON is a monopolar generator of alternative current with two frequencies (0.5 & 0.3 MHz) passing through the human body by two electrodes. The scientific studies have shown that the frequency band between 0.3-1.2 MHz speeds up intra and extra cellular exchanges combined or not with a localized diathermy effect.

In this configuration, the energy is supplied by the active electrode, and then goes through the patient’s body to be recovered by the passive electrode. The crossed biological tissues do not have the same resistance, as high tissue impedance (high water composition) requires little power to cross over, and on the contrary a low impedance tissue involves a significant recruitment of energy.

**THERAPEUTICS EFFECT**

**STIMULATION OF BIOLOGICAL SYSTEMS**

**MUSCLE AND JOINT SYSTEM**

The current permeabilizes cell membranes by playing on the electrical potential difference of the cell. The polarity changing of the alternative current will constantly disrupt the intra and extra polarity of the plasma membranes. This phenomenon stimulates the ATP pump which will rebalance the membrane’s polarity and thus speed up the cell metabolism in an organic way. The current flow is greatly facilitated by the water tissues as the soft tissues (muscles, fascias, tendons...) which react better than very hard tissue (bones).

**NERVOUS SYSTEM**

Thanks to the fast alternative polarity, the high frequency current disturbs the constant bio electrical current received by the neuron. Then pain message is inhibited by the cell which stops transmission to the central nervous system.

**CIRCULATORY & LYMPHATIC SYSTEM**

By varying its intensity (ampereage), the current raises the tissue temperature called diathermy, this effect is varying depending from athermic to hyperthermic effect. The diathermy localized triggers a vascular and lymphatic exchange thanks to the body temperature self-regulation function. The therapist controls the heat intensity at any time by patient and its feedbacks. He manages the intensity with the power output, the electrode movement speed and size.

**IMPROVE VENOUS & LYMPHATIC REABSORPTION**

**ELIMINATE MUSCLE SPASM & FIBROSIS**

**LONGER LASTING ANALGESIA**

**CELL REGENERATION**

The active electrode in the therapist hand follows the manual application.

The passive electrode closes off the electric circuit by lumbar location or onto treated.
SOFT TISSUES ACTION
CAPACITIVE CET

**PRINCIPLE:** Increases electrical energy close to the active electrode area. Thanks to the isolated electrode, the current is transferred through accumulated charges from the electrode to the patient body.

**TISSUE:** The reactions produced are mainly focused on muscles and fluid tissues located near the electrode.

**APPLICATION:** Use in massage mode to release tension (fibrosis, muscle spasm, pain, edema) and increased movement.

**DEPTH:**
2 depth levels exist (superficial and deep). Winback is the unique technology with a superficial or deep action capacitive method. Then the energy reaches disorders in depth. This approach avoids the skin overheating and therefore significantly improve the patient comfort.

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HARD TISSUES ACTION
RESISTIVE RET

**PRINCIPLE:** The power flows through all the deep tissues between the unisolated active electrode and the passive electrode (return plate).

**TISSUE:** Greater resistance of the joint tissues: tendons, capsular ligament, bones, muscular spams. These tissues focus the energy at a higher level than in the fluid zones.

**APPLICATION:** The physiotherapist takes great care in the functional biomechanics by manipulation of joints or mobilization procedures for restoring function, and reduce activity limitations.

**DEPTH:**
2 actions are acting on all joints: the active and return electrodes. There is no limitation in the body.

**RET:**
The power is non-invasive and crosses the physiotherapist hand who feels better the tissue evolution. All manual therapy techniques could applied with this method.
CET DYNAMIC
In capacitive mode, Dynamic function scans tissues layers in order to eliminate localized tensions (superficial and deep). The tissue is stimulated by different deep levels to soften and restore the biomechanical movement.

LOW PULSE
This function optimizes energy for boosting lymph treatment and avoid the rebound effect after the treatment.

SUPER PULSE
This function recruits vascularization system and focus on the fluid in order to re-vascularize fibrosis and spams.

360°
The neutral adhesive plates allow a treatment in a dynamic and postural position. The treatment can be done in all positions (standing up, dynamic, sitting).

AUTOMATIC PAD
Fixed plates for automatic processing treatment without the intervention of the therapist. It may eliminate disorders (spasm, fibrosis) before mobilization or drain smoothly after it.

THE SCIENTIFIC STUDIES
MORE THAN 200 STUDIES UP TODAY

The Radiofrequency has widely proved its usefulness in the areas of orthopedic surgery, aesthetic medicine and recently in physiotherapy. In fact, studies show that over 20 years, therapeutic effects stimulate tissue regeneration and eliminate pain. In 1995, the scientists have studied a new form of radio frequency by varying several parameters such as frequency modulation and the energy transfer (TECAR).

BIOLGIO
The behavior of biological tissues (articulation, bones, muscular) changes by varying the frequency, and the best biological results are between 300 KHZ 1.2 MHz because of the cell membrane permeability.

DIASTHERMY
The frequency conversion is more significant by the rising frequency of the radiofrequency interfere.

NONINVASIVE
At the frequency studied, the action is not invasive and totally safe in regards of the tissues.

TREATMENT
2X FASTER ON MUSCULOTENDINOUS CUFF

The results obtained in 4 weeks equivalent to the results obtained by a test group treated by classic physiotherapy in 8 weeks treatment.

The behavior of biological tissues (articulation, bones, muscular) changes by varying the frequency, and the best biological results are between 300 KHZ 1.2 MHz because of the cell membrane permeability.
WINBACK®/rehabilitation Physiotherapy

APPLICATIONS

TRAUMA & RHEUMATOLOGY
The TECARTHERAPY fits all chronic and acute injuries. Treatment gives visible results from the first session (movement gain, pain relief, revascularization). The biological return optimizes the healing process while limiting fibrosis. In upstrem of surgical intervention, the effusions and edemas are reduced thereby facilitating invasive treatment. In downstream, treatment absorbs inflammation and boost the rehabilitation period. Without pain and inflammation, the patient anticipate the physiotherapy program with immediate results during the first sessions.

PAIN
The Therapy is acting on the nerve terminals by blocking the conduction of painful stimuli. The rapid elimination of pain is crucial for an efficient physiotherapy. The therapist can begin the treatment with faster action and deeper. The physiotherapy becomes more efficient and dynamic (increasing the patient’s chances of recovering his movements). The analgesia can instal an analgesic effect for a period greater than 48 hours during the first treatment. After 5 sessions, the analgesic effect is long lasting.

LYMPHATIC
The capacitive energy increases the lymphatic flow. The BACK3S technology optimizes manual massage techniques and accelerates resorption. Although the immediate effects, the treatment focuses on the mechanical effect, which means the rapid evacuation of ascended fluid. For a long lasting effect, It is recommended to identify the origin of the lymphatic disorder origin which may be hormonal.

OSTEOPATHY / CHIROPRACTIC
Manual expertise associated with the BACK3S biological energy releases the body blocking areas and tissues tensions, which cause functional disorders. Using technical gestures, careful and precise touch, the therapist will find a deep action to facilitate the rehabilitation of the posture. He will manage the pain and avoid the rebound effect after the session.

SPORTS PHYSIOTHERAPY
APPLICATIONS

The therapist is not limited to face consequences of sport’s trauma and plays a role in the management of all athletic follow-up.

WINBACK®Medical is involved with medical boards of many sports federations to educate patients in a beneficial physical activity for their health capital. WINBACK® is also present with physical therapists that caring for amateur teams and professional elites.

PREPARATION
The physiotherapist develops a program personalized with the professional objective (sport). He ensures the body state of health and prevents any traumatic gestures. Its BACK3S massage will eliminate the muscular tension, recovers the musculature which will be solicited for sustained and intense effort.

RECOVERY
After a competition or a great effort, a deep massage with BACK3S recovers effectively the muscles who have been severely used by intensive effort. These stimulating and therapeutic gestures will restore joints and muscle tonicity.

PREVENTION
The mission of the sports physical therapist is to identify the weaknesses of the biomechanical functions of his patient. He associates a strengthening program with the rehabilitation to prevent injuries. He will indeed correct the posture to avoid the wrong initiator gesture weakness.

Contraindications and care
- cancer - cartilage growth - pacemaker - pregnant women - hypothyroid - phlebitis - insensitivity to pain - infection - fever.

No contraindications with metallic implants.

THE BACK3S IS SET UP FOR A RELEASE ON A MOBILE TROLLEY OR A SUITCASE
TECARTHERAPY improves physiotherapist manual therapy based on the BACK®energy. However, there are automatic treatments programs for the "RELEASE" and "RECOVERY" steps.

1. RELEASE: Injury and the pain

WINBACK® quickly triggers a deep massage and analgesic action. Its actions touch nerves, muscles, joints and the fluid circulation to eliminate stress and to reactivate movement. The Energy flows back into the injured tissue and the patient feels immediately the benefits of this treatment.

2. REGENERATE: the tissue

The therapist focuses the WINBACK® energy to regenerate the damaged tissue. Its principle is based on accelerating the natural self-healing system of the body promoting intra and extra cellular exchanges. The treatment is more static and Myback may feel the tissue evolution.

3. STRENGTHEN: biomechanic structure

The final phase consists of strengthening the body to help in its rehabilitation. The therapist mobilizes the muscular joints tissues so the body can function more efficiently.

SESSIONS

Duration: 10 to 25 minutes - Number: 3-7 sessions
Frequency: 1 per week standard - boost time per week

PATIENT. Justin,
I also feel the therapeutic benefits (pain reduction, release amplitudes ...) from the first session. It’s motivating and I want to be actively involved in my physiotherapy.

THERAPEUTIST. Loic,
The Tecartherapy is a fast and efficient method which fits all my manual techniques (tend, trigger point MTP, raising tension, ..). I am always working with my hand and I feel the evolution of any tissue on any depth.

THERAPEUTIST. Laët,
The Tecartherapy is a fast and efficient method which fits all my manual techniques (tend, trigger point MTP, raising tension, ..). I am always working with my hand and I feel the evolution of any tissue on any depth.

RECOVERY (optional)
In this phase, the therapist also drains the area to remove the toxins from the cells that have been solicited. This treatment option is recommended after an intense expenditure of physical energy to avoid the rebound effect overnight.
**TECHNICAL CHARACTERISTICS**

**BACK3**

- Capacitive power: 400 VA
- Resistive: 150 Watts
- Frequency: 0.3-0.5 MHz
- 2 levels deep in capacitive mode

**Accessories:**
- 5 capacitive electrodes,
- 3 resistive electrodes,
- Return Plate,
- Plate 360,
- Automatic PAD,
- Pack conductive creams and disinfectants,
- TROLLEY - ACCESSORIES SUPPORT:
  - Dimension with trolley: 450*370*1000 mm - weight: 28 kg,
  - Mobile size: 450*370*200 mm - weight: 8 kg

**TRAINING & MARKETING:**

- Training:
  - one day in our training centers
- Marketing:
  - 1 display flyer
  - 100 patients flyers - 100 flyers prescriber
  - 2 posters - internet referencing
  - appointment card - 1 street sign

**WINBACK® TESTIMONIALS**

**The Win Back Spirit**

Alexandre Dauguet, Physical Therapy.

As a therapist, I everyday use this therapy and I do not get enough of it, the results are there on so many pathologies encountered in private practice. My patients love it, I’m with them, I listen, touch. Each treatment is individual and suitable for everyone. I even get professional prescriptions for the Tecartherapy, the benefits are there. I carry the benefits in high level playing national teams and they are amazed by the restitution after big injuries. Today they are doing well and their careers as well. I’d like to thank you to WINBACK® and its team that makes me love my job a little more each day.

Alexandre Dauguet, Physical Therapy.

I have discovered the TECARTHERAPY technics and I’ve quickly appreciated the benefits for both patients who feel better than my ego which finally is satisfied by a technique allowing results. On persistent problems, I may precise that I am a neighborhood physiotherapist and I can receive a top athlete as well as an elderly person moving with difficulty. On these two types of patients I use this technique with the same satisfaction. I’m not saying that this is the solution but it helps me very well on caring my patients.

Pierre Blanc, Physical Therapy.

Physiotherapist for over 10 years now, I always wanted to invest in a reliable and quality equipment but above all effective and efficient! This is now done with the WINBACK® which has altered consequently the way I work every day! Using this tool for me is today difficult to forget! It saves huge time for me. In fact, I was able to quickly remove some locks on manual therapy. The sessions are better loved by my patients who leave very relieved from their first session. The different applications and the few contraindications make me use easily the WINBACK!

On the WINBACK® efficiency, you can add a relationship and high quality of the after-sales service.

Johan Quintard, Physical Therapy.

Physiotherapist for over 10 years now, I always wanted to invest in a reliable and quality equipment but above all effective and efficient! This is now done with the WINBACK® which has altered consequently the way I work every day! Using this tool for me is today difficult to forget! It saves huge time for me. In fact, I was able to quickly remove some locks on manual therapy. The sessions are better loved by my patients who leave very relieved from their first session. The different applications and the few contraindications make me use easily the WINBACK!

On the WINBACK® efficiency, you can add a relationship and high quality of the after-sales service.

Johan Quintard, Physical Therapy.
Our approach is to offer new technologies at the best price without sacrificing service. In our training center, our experts explain all the techniques and useful tips for your expertise.

Christophe BUEE
Fondateur WINBACK® Medical