

ATP38[®]

STEMA CARE

PHOTOBIO-MODULATION (PBM)

or Low-Level Laser Therapy (LLLT)

Initially used by NASA to accelerate the healing of astronauts' wounds, photobiomodulation has been validated by multiple clinical studies. Its anti-inflammatory, analgesic and healing properties have propelled it into all medical fields.

Photobiomodulation is a non-invasive technique based on the exploitation of specific wavelengths, targeting distinct biological processes. These photons are captured by our cells, inducing a natural biochemical response.

The 7 wavelengths of radiation emitted by ATP38 are carefully adjusted to match the absorption frequencies of mitochondrial receptors. This concordance intensifies cell stimulation and generates a stimulating effect on ATP (adenosine triphosphate).

The wavelengths used by ATP38 are subjected to a calibrated dosimeter in accordance with the defined protocol in order to induce bio stimulation. This will reactivate cellular activity promoting cell regeneration.

ATP38®

Precise, non-invasive & painless treatment

A concentrate of new technologies combined with the best techniques acting on the principle of photobiostimulation.

ATP38® favors power density, i.e. a high concentration of Photons to quickly deliver the total dose of energy expected. The practitioner can set up his own protocols for treatment.

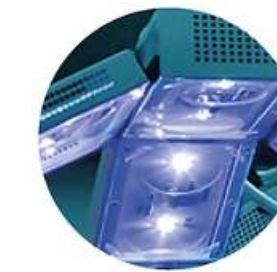
ATP38® makes it possible to treat large surfaces with more precision by scientifically guaranteeing the dose of energy on the treated surface.

Diversification of the care offered

Saving time on all types of care

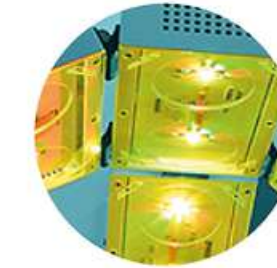
Optimization of care & quick benefits

Complementary supportive care without side effects



BLUE

450 nm to 470 nm



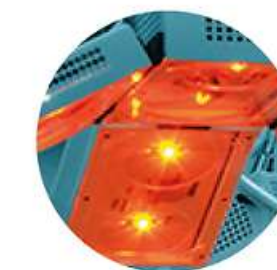
GREEN

510 nm à 540 nm



AMBER

580 nm to 600 nm



RED

610 nm to 635 nm



DEEP RED 1

665 to 695 nm



DEEP RED 2

745 nm to 775 nm



INFRARED

800 nm to 835 nm

ATP38[®]

Precise, non-invasive & painless treatment



Anti-microbial medical standard paint



Remote update



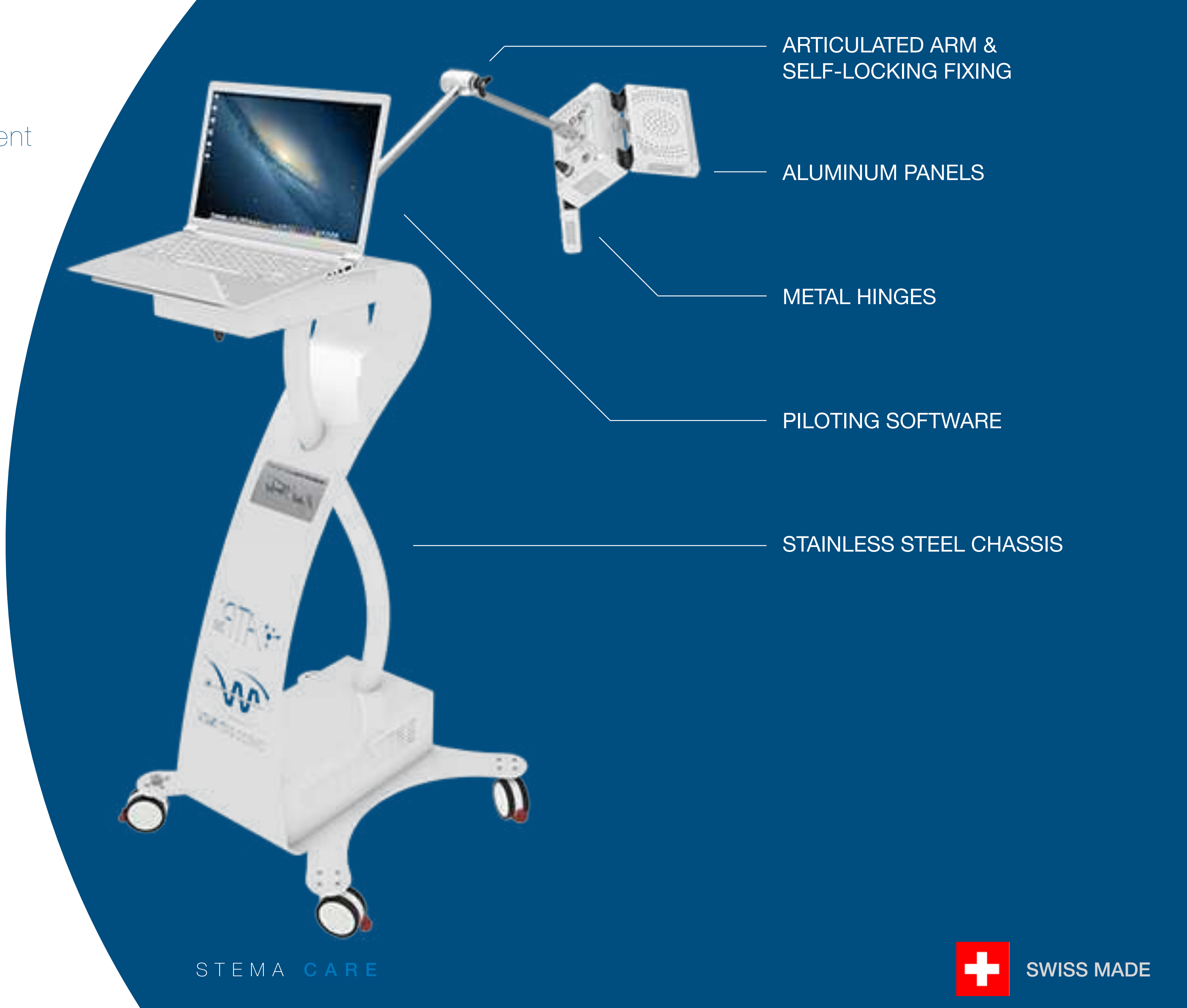
Online support



Warranty 2 years

60

Pre-established protocols to meet the needs of the patient and practitioner



ARTICULATED ARM & SELF-LOCKING FIXING

ALUMINUM PANELS

METAL HINGES

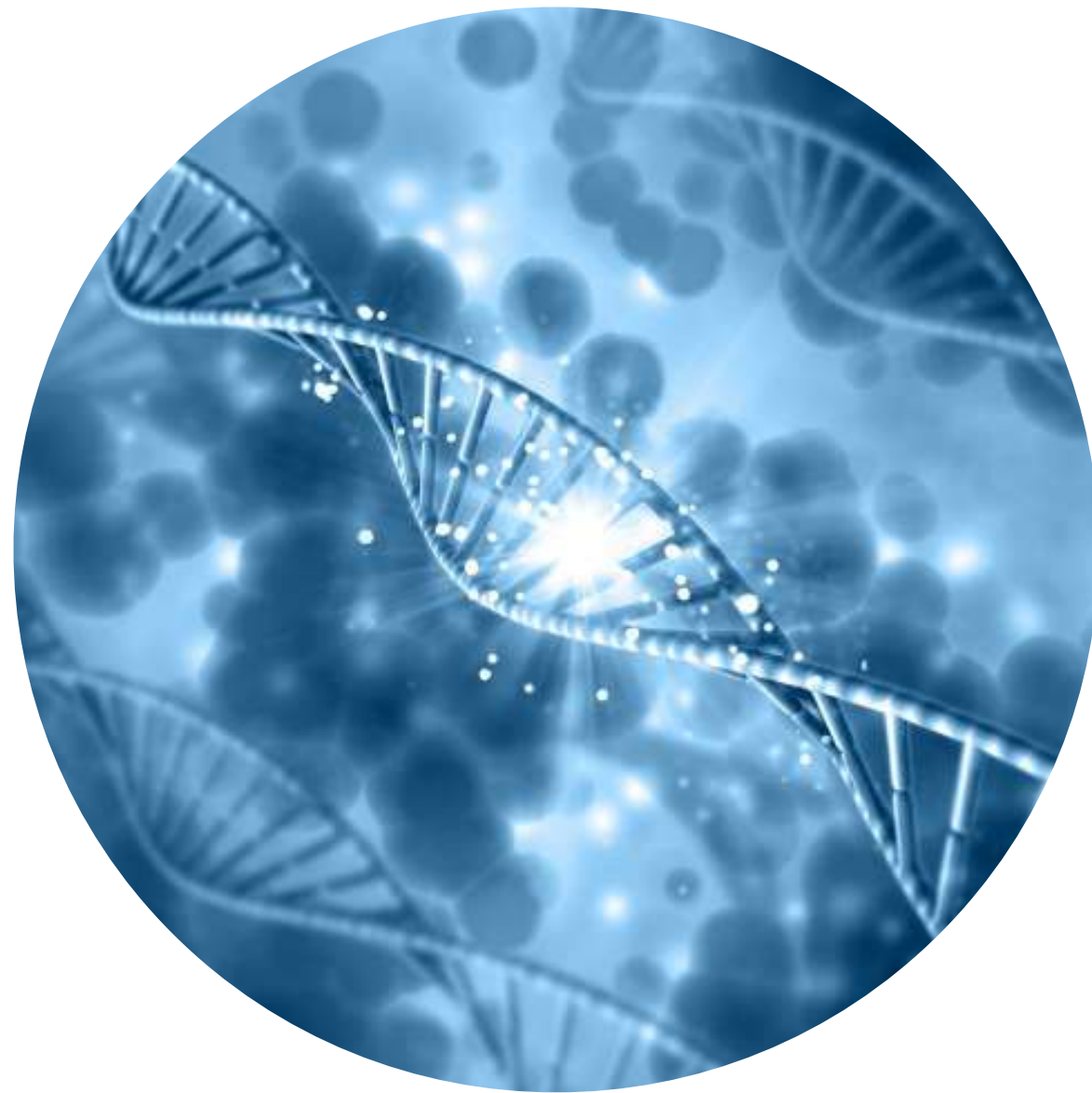
PILOTING SOFTWARE

STAINLESS STEEL CHASSIS

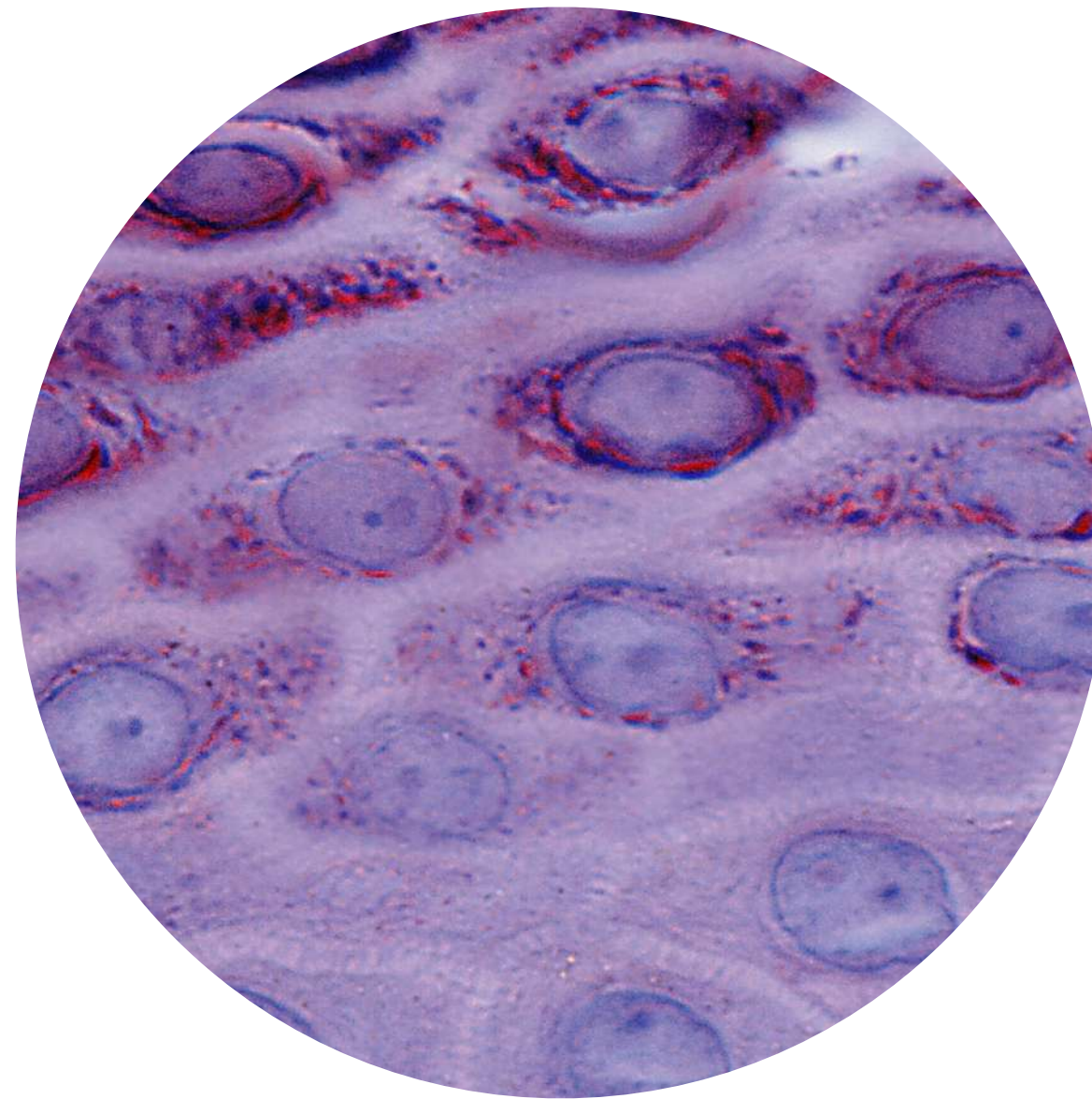
ATP38®

Precise, non-invasive & painless treatment

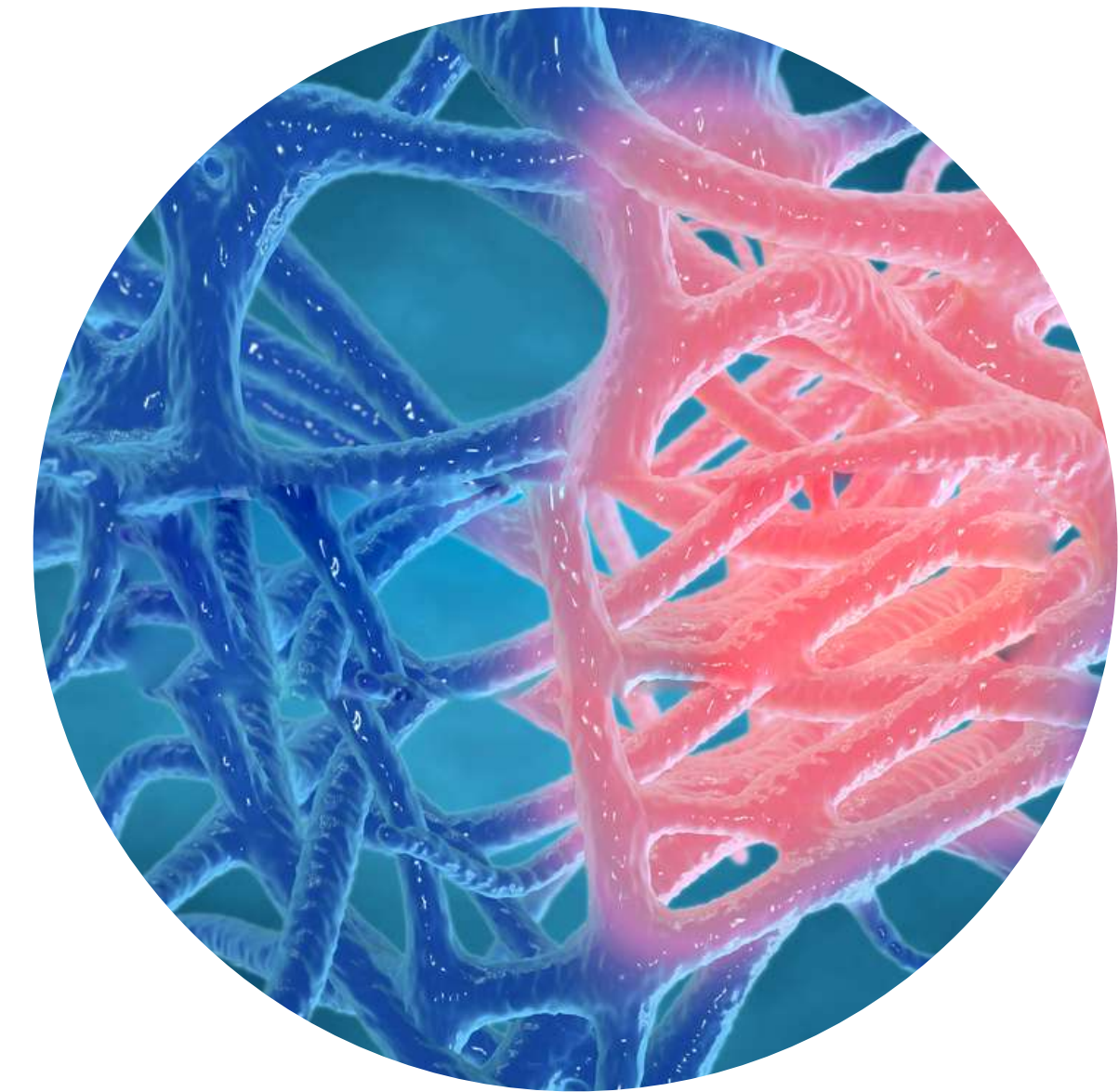
ATP38® is a tool that reduces and relieves pain, improves and accelerates healing, treats inflammation, relieves muscle tension and regenerates cells without side effects.



**CELL PROLIFERATION &
REGENERATION EFFECT**



HEALING EFFECT



**ANTI-INFLAMMATORY &
ANALGESIC EFFECT**

ATP38[®] and Sports Medicine

Precise, non-invasive & painless treatment

ATP38[®] can be used in all pathological conditions associated with pain, inflammation or a need for healing of the muscle, ligament or bone.

- Increase in lymphatic response
- Increase in the enzymatic response
- Improvement of the quality and strength of fabrics
- Acceleration of tissue and bone distribution



ATP38[®] and Sports Medicine

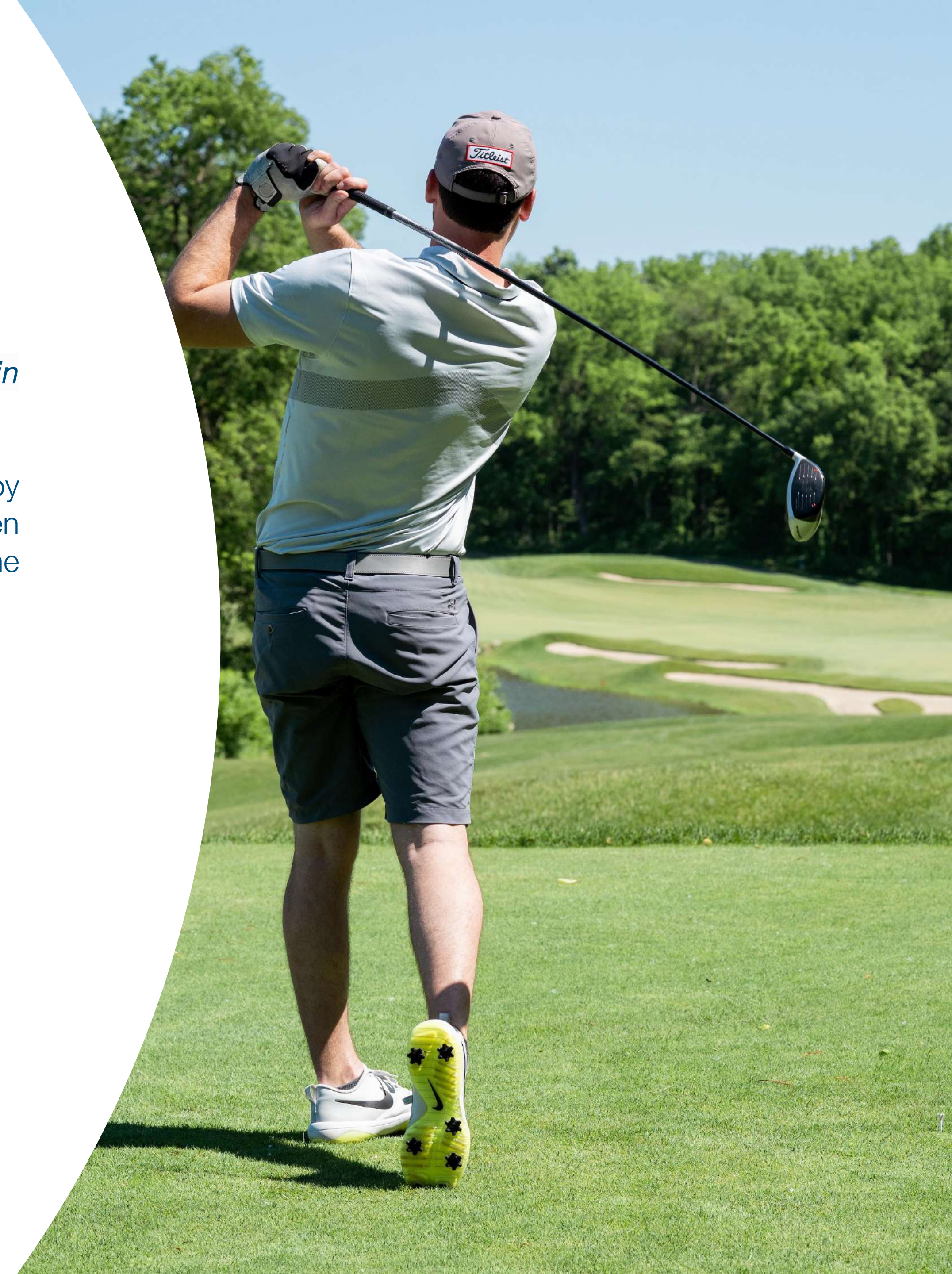
Precise, non-invasive & painless treatment

PREVENTIVE TREATMENT

PBM increases the elimination of blood lactate and improves mitochondrial function in muscle cells.

Ischemic lesions of the skeletal muscle are initiated during hypoxia and are aggravated by reoxygenation during blood reperfusion and the accumulation of cytotoxic reactive oxygen superoxides. PBM has been shown to biostimulate various biological processes, such as the attenuation of muscle ischemic lesions.

- Reduced risk of injury
- Increase in physical strength
- Increased endurance
- Prevention and treatment of cramps



ATP38[®] and Sports Medicine

Precise, non-invasive & painless treatment

CURATIVE TREATMENT

PBM can stimulate faster muscle repair due to increased proliferation and differentiation of muscle cells.

- Treatment of trauma, bruises
- Treatment of tendinitis, sprains
- Treatment of muscle contractures
- Treatment of muscle and ligament elongations / tears
- Powerful analgesic effect
- Improvement of bone consolidation of fatigue fractures

RECOVERY PROCESSING

- Rapid treatment of body aches
- Accelerated muscle recovery



ATP38[®] and Sports Medicine

Precise, non-invasive & painless treatment

REGENERATIVE PHYSIOTHERAPY

Protocols help prevent recurrence and optimize training.

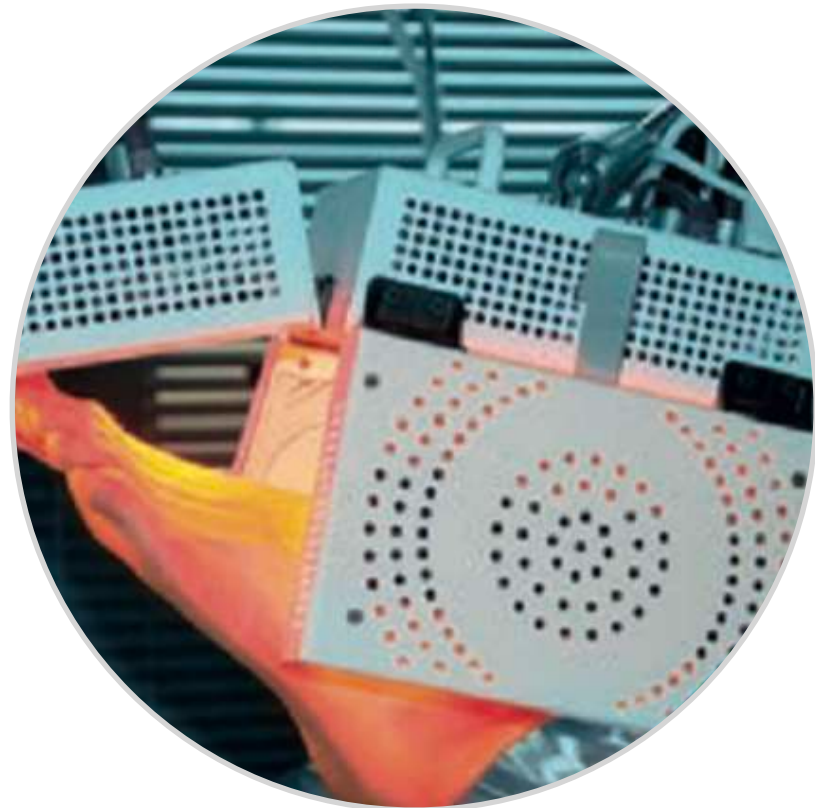
- Sprains
- Muscle tears
- Tendinopathies
- Epicondylites
- Plantar aponeuroses
- Middle gluteal tendonitis
- Crossed ligaments
- Post-operative traumatology



ATP38[®] and Sports Medicine

Precise, non-invasive & painless treatment

SPRAIN OF THE ANKLE



DORSALGIA



SPRAIN OF THE KNEE



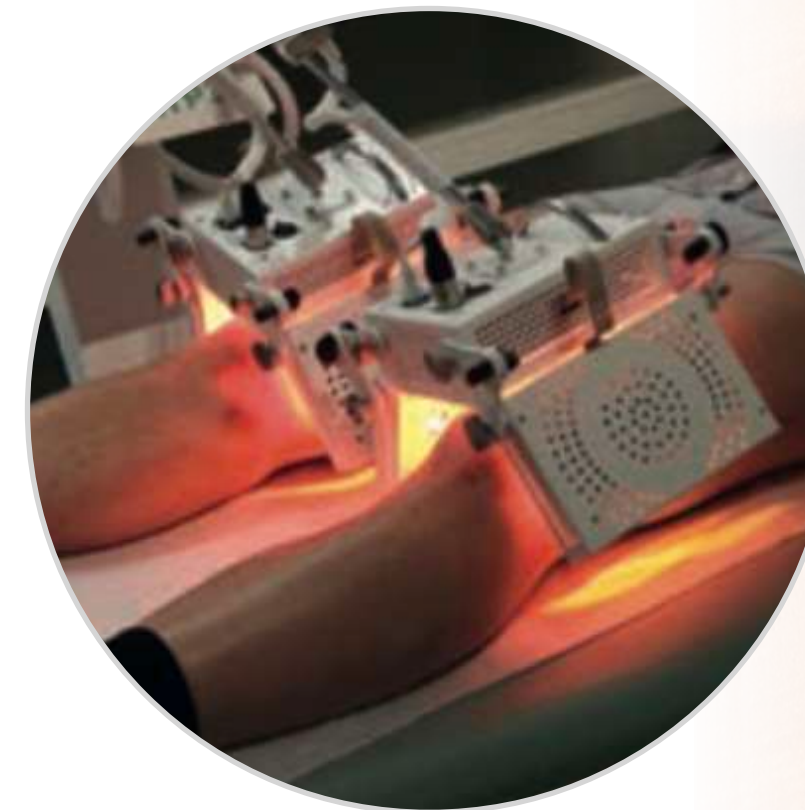
GOLFER'S SHOULDER



CRURALGIA



OSTEOARTHRITIS IN THE KNEES



ATP38[®] and Sports Medicine

Precise, non-invasive & painless treatment

THE ADDED VALUES

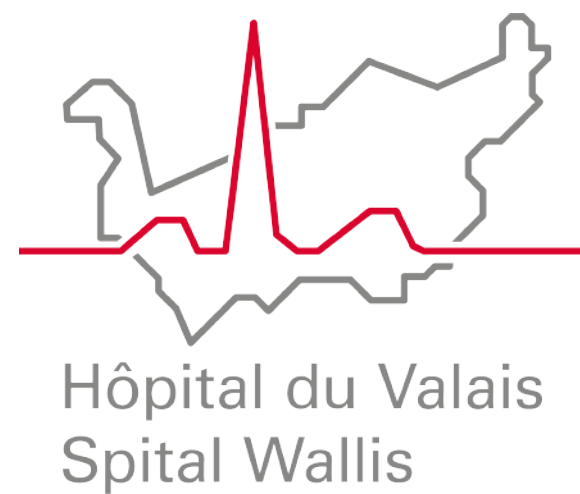
FOR THE PRACTITIONER

- Accelerates healing and results
- Safe: no adverse effects
- Less medication prescription
- Easy to use
- Ergonomic
- Short and effective sessions (maximum 15min)
- Great diversification: presents a wide variety of treatments

FOR THE PATIENT

- Immediate results
- Minimizes the risk of post-operative complications
- Minimize the need for medication
- Reduces pain and inflammation

They trust ATP38



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STEMA CARE