

The advantages of the MBST magnetic resonance therapy at a glance:

- ☐ No surgery
- ☐ No intravenous infusions
- ☐ No injections
- ☐ No drugs
- ☐ No side effects
- ☐ No drug interactions
- ☐ No radiation exposure
- ☐ Open therapy device
- ☐ TÜV certified quality
- ☐ Scientifically confirmed⁴
- ☐ More than 1,000,000 treatment hours

Less pain · Improved mobility

Less impairment · Improved quality of life



Your certified MBST treatment centre

Repeatedly awarded · Scientifically confirmed



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Note: We are legally obliged to inform that it is disputed in orthodox medicine if the efficacy of the MBST magnetic resonance therapy is sufficiently scientifically confirmed. Evidence-based studies do not exist for every area of application. Since every human being is different by nature, it is not possible to guarantee the success of any particular method in human medicine. Statements and mentions of therapy options, areas of application, efficacy and tolerability are based on the experience gained in the application of the therapy in MBST treatment centres and by patients and are no promise of relief or improvement. The therapy is only applied after medical diagnosis and on the patient's request in an MBST treatment centre. The information contained in MedTec publication is exclusively intended as general information about a health topic. It cannot and must not replace professional medical advice, diagnosis, or treatment and must not be used as a basis for self-diagnosis or for initiation, modification or termination of treatment. If you have any health-related questions, always consult a doctor!

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Sources: [1] Steinecker-Frohnwieser et al. 2014, Journal of Orthopedics and Rheumatology 9/2014 - [2] Levers et al. 2011, Orthopädische Praxis, 47, 11/2011, 536-543 - [3] Kullich/Steinecker 2013, SCHMERZnachrichten, 4a - [4] Kullich/Melzer 2019, Scientific evaluation of the MBST Magnetic Resonance Technology regarding the therapeutic potential and proof of clinical efficacy

Joint pain? Inflammations? Osteoarthritis?

Swollen joints?

Morning stiffness?

Creaking joints?

Impairments in day-to-day life?



The innovative MBST therapy for osteoarthritis
might help you as well!

Healthy cartilage for an improved quality of life



Dear reader,

osteoarthritis is a widespread silent condition which, as it progresses, can substantially degrade the quality of life of the afflicted person due to pain and impairments in day-to-day activities. This brochure contains well understandable information on osteoarthritis, intended to show you how the MBST therapy might help you as well to return to a more active life that is as painless as possible.

Repeatedly awarded cutting-edge technology

MedTec Medizintechnik GmbH combines profound scientific knowledge with technological competency to produce cutting-edge medical technology. Our innovative strength is made visible by numerous international patents and data from studies and patients.

Therapeutic magnetic resonance is a technology trusted by general practitioners, specialists, therapists, medical care centres and clinics – not just in Germany but throughout the world.

Free of pain, fit and active at every age!



Osteoarthritis: a widespread disease

Osteoarthritis is the world's most common joint ailment and almost everyone growing older knows its effect. Increasingly, also young people are already affected. The wear of the joints may result in impairments in everyday life and mobility and can also cause severe pain, which ultimately reduces the quality of life of those affected.

Wear of the joint

Osteoarthritis does not form overnight. Joint wear due to a degeneration of the cartilage can develop over years. Quite often there is hardly any discomfort at first, making it barely noticeable. However, as the disease progresses, each strain on the joint and each movement can cause severe pain.

What are the reasons for cartilage degeneration?

Injuries, wrong movements, misregulation or metabolic disorders can cause cartilage defects. Healthy cartilage cells, the so-called chondrocytes, can compensate and repair such damages. However, since the metabolism of cartilage tissue is very slow, the regeneration takes a long time. Disturbances in the process can then result in a constant reduction of cartilage tissue, i.e. degeneration.

In advanced stages, cartilage-free bone areas (chondral defects) can form. When these rub against each other during movement, the patient experiences severe pain, swelling or loss of the joint's flexibility. As the condition progresses even more, adjoining muscles, ligaments, tendons or articular capsules can be damaged.



Course and consequences

Characteristic for the early stages of osteoarthritis is pain after periods of inactivity, stress-induced or fatigue pain. It can even radiate to other parts of the body. In an advanced stage, many patients complain about permanent pain, pain at night without stress on the joint, stiffness, creaking and limited flexibility in the joints. The progressing degeneration of the articular cartilage can lead to ossification. Following these deformations, instabilities or misalignments of the affected joints can occur.

Treatment options

Many therapy approaches treat first and foremost the symptoms. Intravenous infusions and injections with drugs or pain killers are combined with physiotherapeutic measures. However, this doesn't stop the progression of the disease. In the end, surgery and the replacement of the worn out joint with an endoprosthesis might become necessary.

MBST therapy for osteoarthritis

The different therapy approach of MBST therapy targets the degeneration of the cartilage, i. e. the cause of osteoarthritis. Its aim is the preservation of the natural joint by molecular biophysical stimulation of the cartilage cells.

Targeted stimulation of cellular processes

If cartilage cells lack the necessary energy or if their metabolism is impaired, the body's repair mechanisms can no longer be performed – this is the starting point of the therapeutic MBST magnetic resonance technology.

MBST – how it works

The MBST technology is a therapeutically usable development of the magnetic resonance technology, which is known worldwide from Magnetic Resonance Imaging.

MBST does not use magnetic resonance to generate images like MRI, but rather to biophysically stimulate specific cells at a molecular level by transferring energy in a targeted manner. Scientific data indicates that MBST technology has – among others – both anti-inflammatory and pain-relieving effects.¹

The objective of MBST therapy is to support natural biological processes while avoiding surgery, injections, intravenous infusions, drugs or pain-killers and their associated risks, strains and side-effects!

Your personal osteoarthritis therapy

The basis is an accurate diagnosis of osteoarthritis. Your attending doctor orders the appropriate therapy at MedTec resp. the national licensee. The treatment data corresponding to your indication is stored on a MBST therapy card and sent to your MBST treatment centre. The data is then transferred directly from your therapy card onto the control unit of the MBST therapy device to ensure an optimal treatment.

Each therapy session lasts 60 minutes. Meanwhile, you can comfortably listen to music, read a book or even sleep.

An MBST treatment series consists of 5, 7 or 9 treatment units, depending on the medical indication and the severity of the condition.



FAQ about MBST therapy for osteoarthritis

What side effects does the MBST therapy have?

MBST has been applied internationally since 1998. To date, no side effects or interactions have become known to us.

Do I need to take medication?

Injections, intravenous infusions, drugs or pain killers are no integral part of the MBST therapy. Your attending doctor will decide whether or not these are necessary or useful in your individual case.

Will I immediately feel better after the treatment?

MBST cannot compensate overnight for damages that have developed over long periods of time. However, many patients report that their mobility improved rapidly and that the associated pain was reduced or even disappeared.^{2,3}

How long does the effect last?

Patient data^{2,3} shows that significant pain reduction could even be verified years after the therapy.

Is the efficacy of the MBST therapy proven by studies?

Statements about the efficacy of MBST therapy are based on the experiences in the application of the therapy made by the attending doctors and their patients as well as on scientific data from studies and publications. Supporters of orthodox medicine consider the therapy as „not yet sufficiently proven scientifically“. MedTec gladly will provide all existing scientific information to interested persons, so that they are able to assess efficacy and safety of MBST therapy and technology for their condition on their own or with the help of advising third parties.