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

- No surgery
- No intravenous infusions
- No injections
- No drugs
- No side effects
- Sustainable treatment
- Open therapy device
- TÜV-approved medical technology
- More than 270,000 patients treated

MBST® NMR·THERAPY

Research and production of cutting-edge medical technology

MADE IN GERMANY

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Note
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Sources
[1] Steinecker-Frohnwieser et al 2014., Journal of Orthopedics and Rheumatology, 9/2014, 1(3), 9 · [2] Levers et al. 2011, Orthopädische Praxis, 47, 11/2011, 536–543 · [3] Kullich/Steinecker 2013, SCHMERZnachrichten, 4a

Joint pain? Inflammations?

Osteoarthritis?

Swollen joints? Morning stiffness?

Creaking joints?

Impairments in day-to-day life?

MBST® NMR·THERAPY

The innovative therapy for osteoarthritis might help you as well!

Healthy cartilage for a better 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 in regaining a more active life that is as painless as possible.

Cutting-edge medical technology

MedTec Medizintechnik GmbH combines profound scientific knowledge with technological competency to produce cutting-edge medical technology. Our innovative strength is backed by more than 150 patents and the repeated awarding with the German SME Innovation Price.

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.

Illustration of damaged cartilage (knee)

Illustration of regenerated cartilage (knee) after a successful MBST therapy

What are the reasons for cartilage degeneration?

Injuries, wrong movements, misregulation or metabolic disorders can lead to 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 possibilities

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 osteoarthritis from progressing. In the end, surgery and the replacement of the worn out joint with an endoprothesis might become necessary.

MBST therapy for osteoarthritis

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

Targeted stimulating cell regeneration

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 activate regenerative processes while avoiding surgery, intravenous infusions, injections, 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 physician will order the appropriate therapy at the MedTec resp. the national licensee. The treatment data corresponding to your indication is saved 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.

A MBST treatment series consists of 7 to 9 treatment units, depending on the medical indication and the severity of the condition.

FAQ about the MBST therapy

What side effects does the MBST therapy have?

MBST has been applied internationally since 1998. To date, no side effects 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?

Efficacy and tolerability of the therapy in treating many diseases and complaints of the musculoskeletal system and associated discomfort and impairments is confirmed by meaningful data from numerous studies and specialist publications. You are welcome to contact your doctor, the national licensee or MedTec Medizintechnik GmbH directly for access to the published data.