

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

- No bisphosphonates
- 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®

MedTec Medizintechnik GmbH
Sportparkstraße 9 · D-35578 Wetzlar

+49 (0) 6441 · 6 79 18 -0

+49 (0) 6441 · 6 79 18 -19

info@mbst.de

www.mbst-forum.de

facebook.com/mbst.de

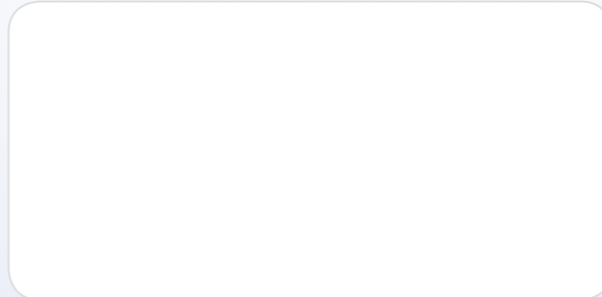


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MBST_THERAPIE

YOUR CERTIFIED MBST TREATMENT CENTRE



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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] Handschuh/Melzer 2008, Orthodoc, 5/2008 - [3] Kullich et al. 2016, Berichte des naturwissenschaftlich-medizinischen Vereins Salzburg, 18, 7-17 - [4] Overbeck et al. 2003

Brittle bones? Back pain?
Osteoporosis?

Osteopenia? Osteonecroses?
Vertebral body fractures?
Low bone density? Dowager's hump?



The innovative therapy for osteoporosis might help you as well!

Simply more quality of life thanks to stronger bones

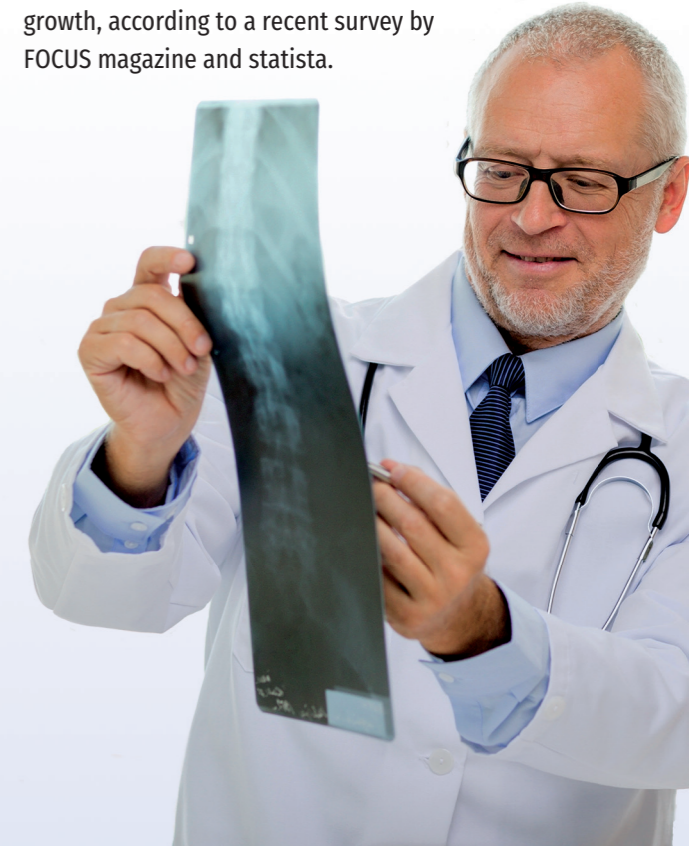


Dear reader,

osteoporosis is a widespread condition that is barely noticeable for a long time but silently reduces the density of bones drastically. As it progresses, the bones become brittle which severely affects the quality of life. Even young people can already suffer from osteoporosis and its consequences. This brochure contains well understandable information on osteoporosis, intended to show you how the MBST therapy might help you as well in regaining a more active life.

Cutting-edge medical technology

MedTec 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. MedTec is among Germany's top-ranking 500 companies with the highest growth, according to a recent survey by FOCUS magazine and statista.



Osteoporosis · Bone loss

Osteoporosis is a skeletal condition that affects the bone metabolism and causes a loss of bone mass.

In contrast to general assumptions it is not only women in their menopause who suffer from the effects of osteoporosis, but also one in five men over 50 years of age and even young people (juvenile osteoporosis).

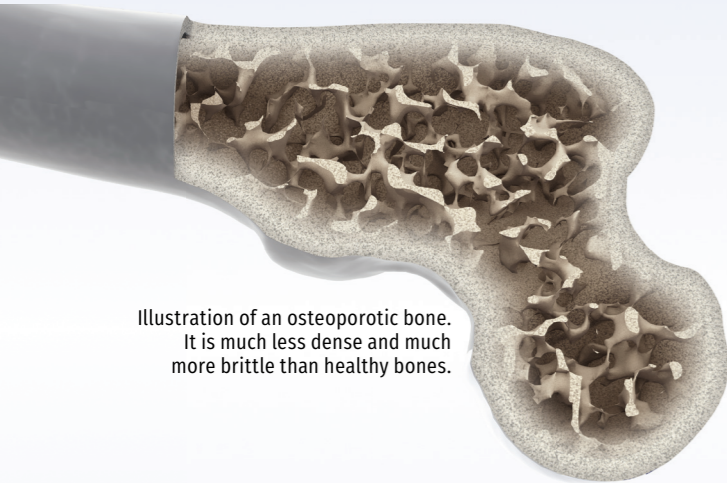


Illustration of an osteoporotic bone.
It is much less dense and much more brittle than healthy bones.

How does osteoporosis develop?

Throughout the whole life, bone mass is constantly transformed and rebuilt by endogenous repair mechanisms. This process is balanced in healthy bodies: osteoclasts remove old and damaged bone tissue, osteoblasts form new one. Osteoporosis brings this process out of balance. Cells are broken down in larger numbers than new ones are formed, which leads to a steady decrease of the bone density. One underlying reason is a disorder of the bone metabolism.

The occurrence of osteoporosis can be influenced by factors such as smoking, alcohol, a wrong diet, lack of exercise and certain medication.

The consequences of bone loss

The bones become less stable and can break even in the smallest incidences. This reduced resilience can restrict everyday life and mobility, which ultimately reduces the patients' quality of life.

Treatment possibilities

Drug therapies use antiresorptives in order to slow down the bone loss rate or osteoanabolics with the aim of a stimulation of the bone formation. These drugs must usually be injected or administered daily, sometimes for years. A frequent side effect of this medication are health complaints in the gastrointestinal tract. In some cases bisphosphonates might also result in severe side effects such as jaw necroses.

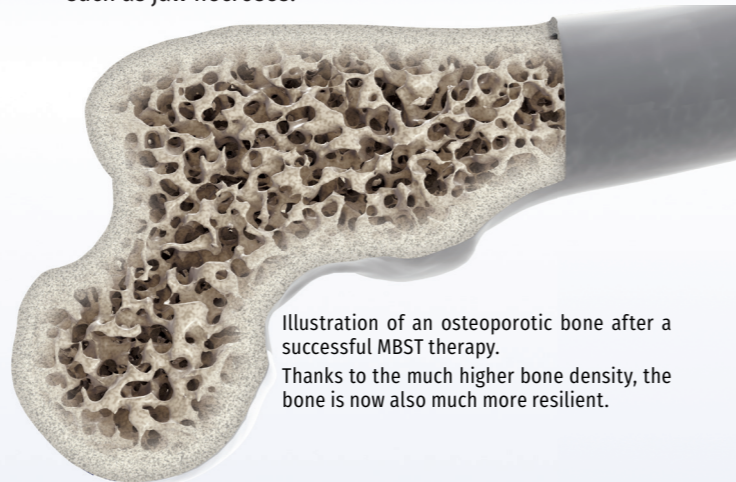


Illustration of an osteoporotic bone after a successful MBST therapy.
Thanks to the much higher bone density, the bone is now also much more resilient.

MBST therapy for osteoporosis

The MBST therapy has a different approach and is aimed directly at the bone metabolism – i.e. where the cause of the osteoporosis lies. If the bone cells lack the necessary energy or if their metabolism is disturbed, endogenous repair mechanisms can no longer be performed – this is the starting point of the therapeutic MBST magnetic resonance technology.

MBST – how it works

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 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 osteoporosis therapy

Your attending doctor will order the appropriate therapy for your diagnosis at 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 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 osteoporosis treatment series consists of 10 treatment units.



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, scientific evaluations show that in more than 80% of the patients pain was significantly reduced after 3–5 therapy units.⁴

How long does the effect of the MBST therapy last, and can the treatment be repeated?

Patient data^{2,3,4} show a significant increase of the bone density and also the bone formation parameter osteocalcin one year after treatment. The MBST therapy can be repeated any number of times.

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 their associated discomforts 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 Medizin-technik GmbH directly for access to the published data.