

Shockwave therapy (ESWT)

PiezoWave^{2T}

EXCLUSIVE TECHNOLOGY.
EFFECTIVE RECOVERY.



spirit of excellence

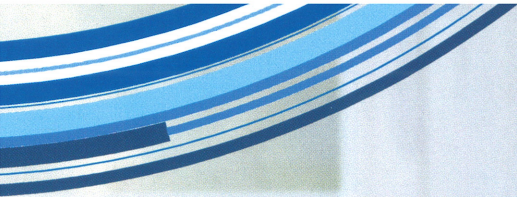




Self-healing is a biological principle

The human body has an extraordinary ability to heal and regenerate itself. With every breath, our body is occupied in keeping all ongoing processes within the body in a dynamic balance. However, some pathologies require additional treatment and support.

Providing treatment – without side effects and non-invasively if possible – is one of the fundamental goals of medical research all over the world.



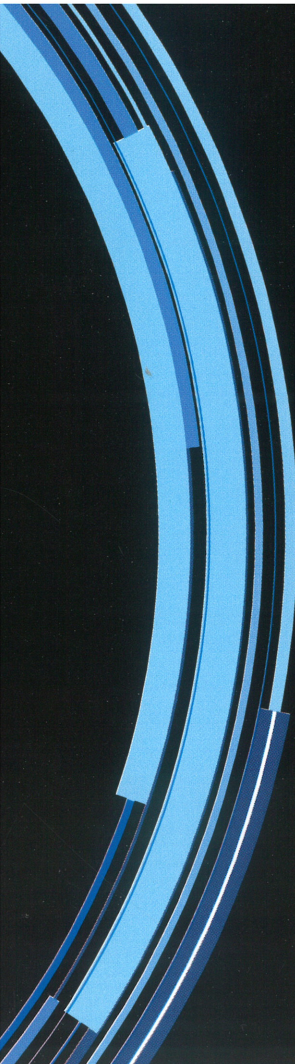
EXCLUSIVE TECHNOLOGY. EFFECTIVE RECOVERY.

Extracorporeal shockwave therapy (ESWT) exemplifies an effective, non-invasive, non-pharmaceutical treatment. This is accomplished by precisely delivering bundled, high-energy acoustic pulses to injured tissue/structures.

The results of numerous studies undertaken in recent decades impressively demonstrate that ESWT effectively supports and stimulates self-healing.



The background image shows a person lying on their side on a white treatment table. A therapist in a blue uniform is using a white handheld device to treat the person's back. A rolled-up white towel is placed under the person's arm for support. The setting appears to be a clinical or spa environment with large windows in the background showing greenery.



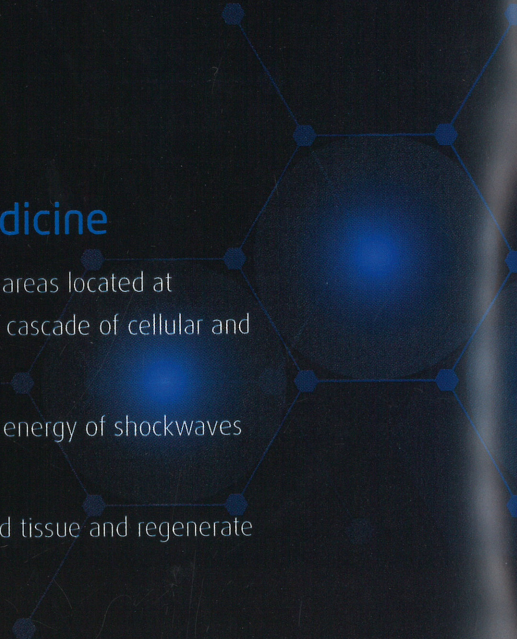
Extracorporeal shockwave therapy

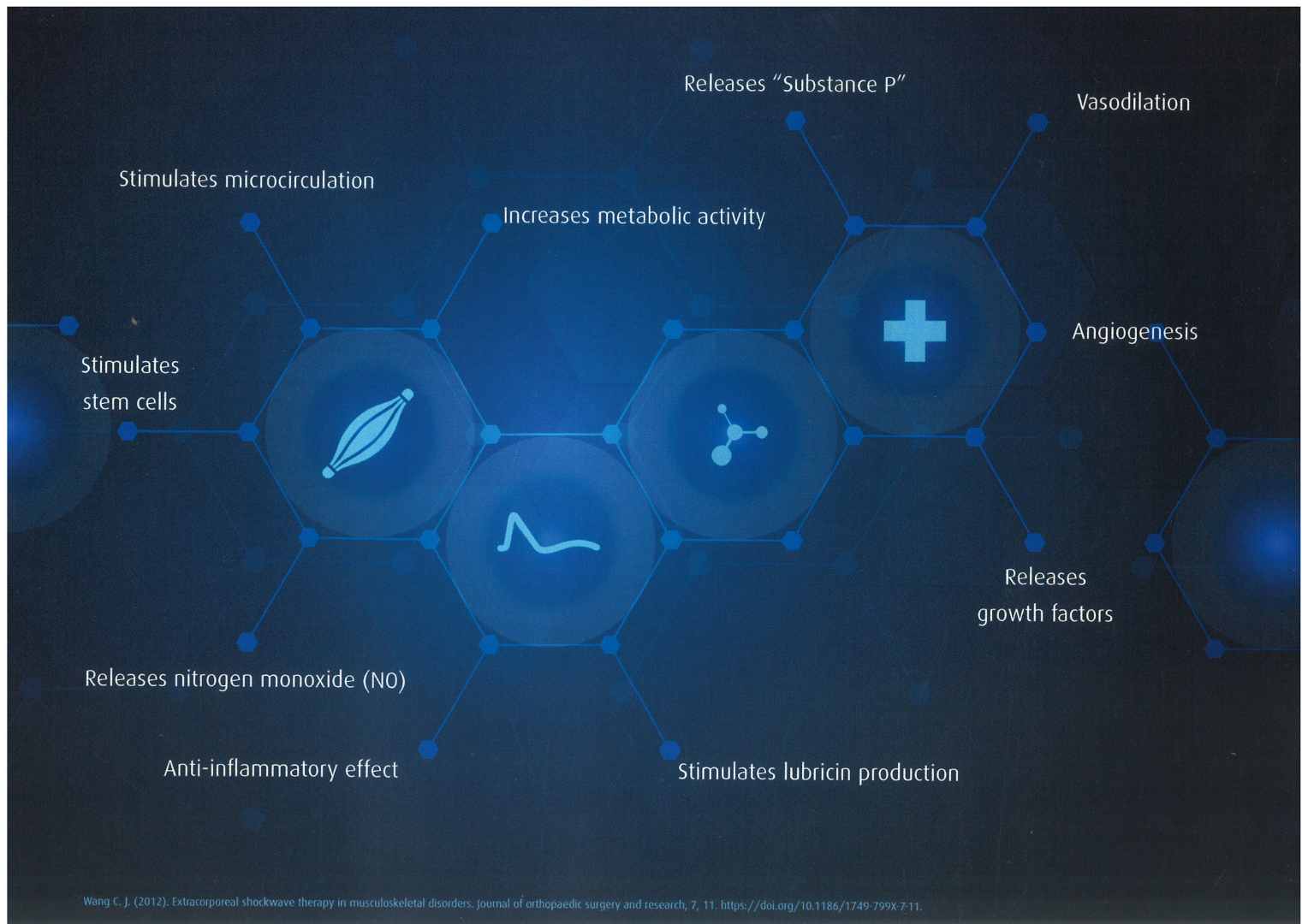
A success story in regenerative medicine

High-energy acoustic waves are bundled, arrive at the focal areas located at different depths within the body, where they then trigger a cascade of cellular and molecular events, also known as mechanotransduction.

This unique medical technology transforms the mechanical energy of shockwaves into biochemical signals in diseased target tissue.

Consequently, ESWT is able to repair pathologically damaged tissue and regenerate tissue, leading to complete self-healing





ELvation HUB – giving you the quintessence of our experience.

We support your decision-making to find the parameters you need.

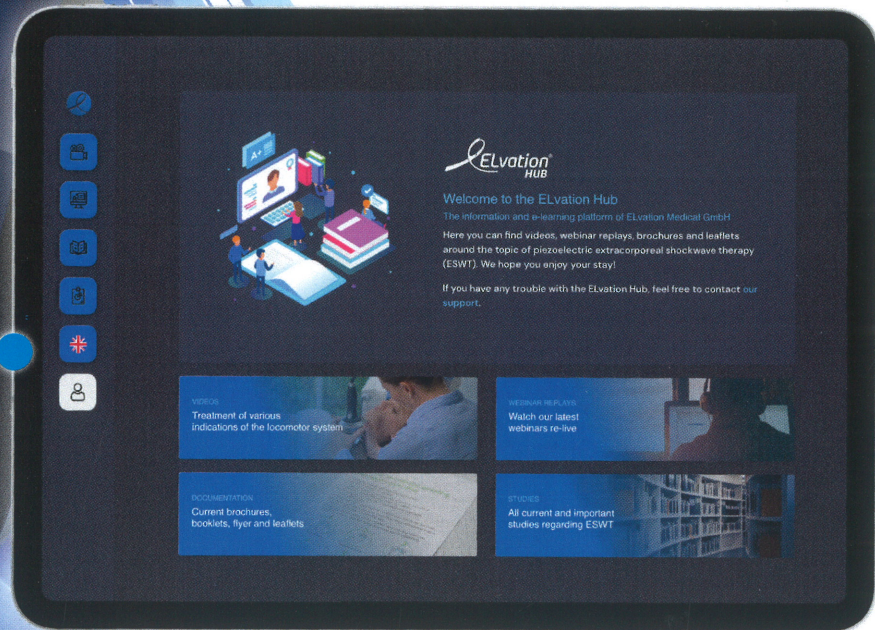
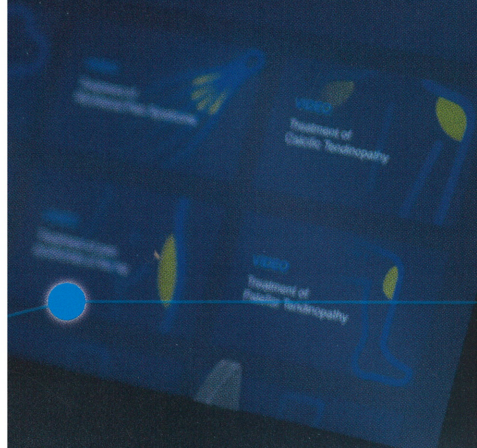
Detailed induction using the application experience of the ELvation HUB

All information on the current understanding of applications is brought together in our ELvation HUB. A web-based digital library, it combines all current media, whether they are webinars, videos and literature, and helps keep you always up-to-date with the latest developments in the field of ESWT.

Uncomplicated and quick access to your treatment via the parameter interface on our integrated touch display.



...of various complaints of the
...in these videos regarding
...of applications and the general use of
...based on clinical experience.



- Videos on the indications, setting values, handling of the therapy source, patient positioning, etc.
- Get new impulses in our webinar recording of experienced users
- Brochures on the application and technology of piezoelectric shockwave therapy
- Current studies and basic studies on the mode of action of ESWT

Innovation and continued development

The highest quality combined with a new operating structure – the PiezoWave^{2T} delivers market-leading innovation to provide you with even more variability and safety.

Always up-to-date and yet ahead of the market

The T-Mode – a new and unique treatment concept – especially developed and patented by Richard Wolf GmbH. The T-Mode allows users to specifically utilize different frequency modes for therapeutic purposes.

Conventional and previous ESWT technologies inadvertently reduce the shockwave frequency when utilizing higher intensities as their technical capabilities are limited. In contrast, the new high-voltage generator of the Piezo-Wave^{2T} guarantees a stable frequency/intensity ratio across a wide area.



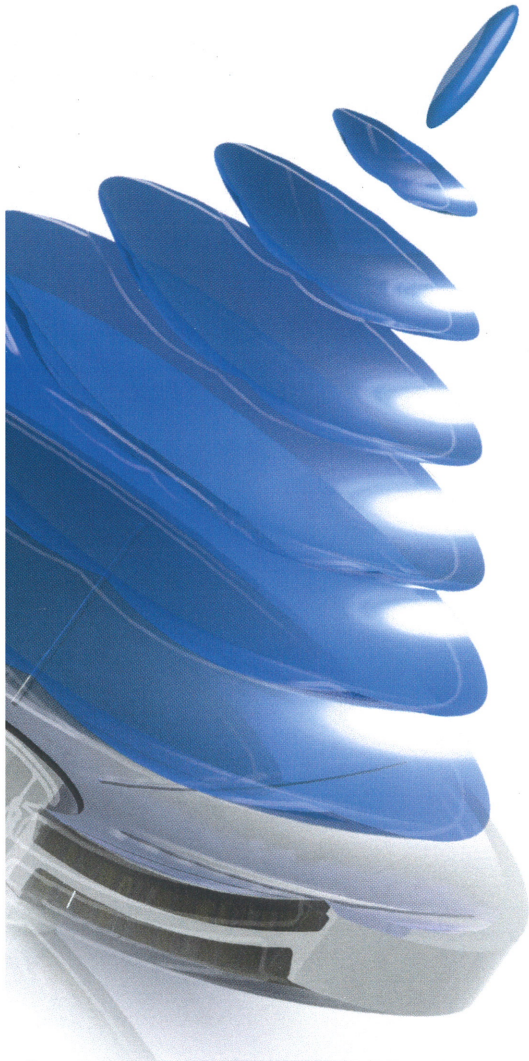


T-Mode

An innovative and unique treatment concept that supports your clinical success.

Stable frequency/energy flux density ratio

Stable output frequency from one pulse to the next via an optimised high-voltage generator, exceptionally powerful and low maintenance.



Incomparable variability

Therapy sources made for each indication

High-energy and as versatile as your patients' needs.
Penetration depths of 20 - 100 mm at the focal center, depending on the therapy source and many different focal geometries.

Individuality

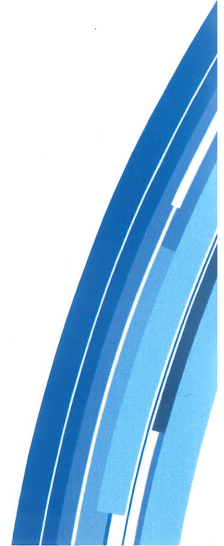
Every patient and his medical history are unique.
The right therapeutic focus for every requirement ensures the best therapeutic success!

Efficiency

The most advanced and powerful methods of creating shockwaves: direct focusing with multiple piezoceramic elements.
The focus only forms in the target tissue, making this the gentlest and most precise type of shockwave formation.

Precision

Precise incremental adjustment of the penetration depth in steps of 5 mm, 10 mm or 20 mm using gel pads ensures a precise positioning of the therapeutic focus.



F7G3

Convenient with a small focal center

F10G4

Our allrounder with exceptional performance data

FBL10x5G2

One of a kind: linear focus with a large volume and the highest pulse energy

F10G10

Highest penetration depth and elongated focal zone

FB10G6

Powerful with a high penetration depth





Unbeatable reliability

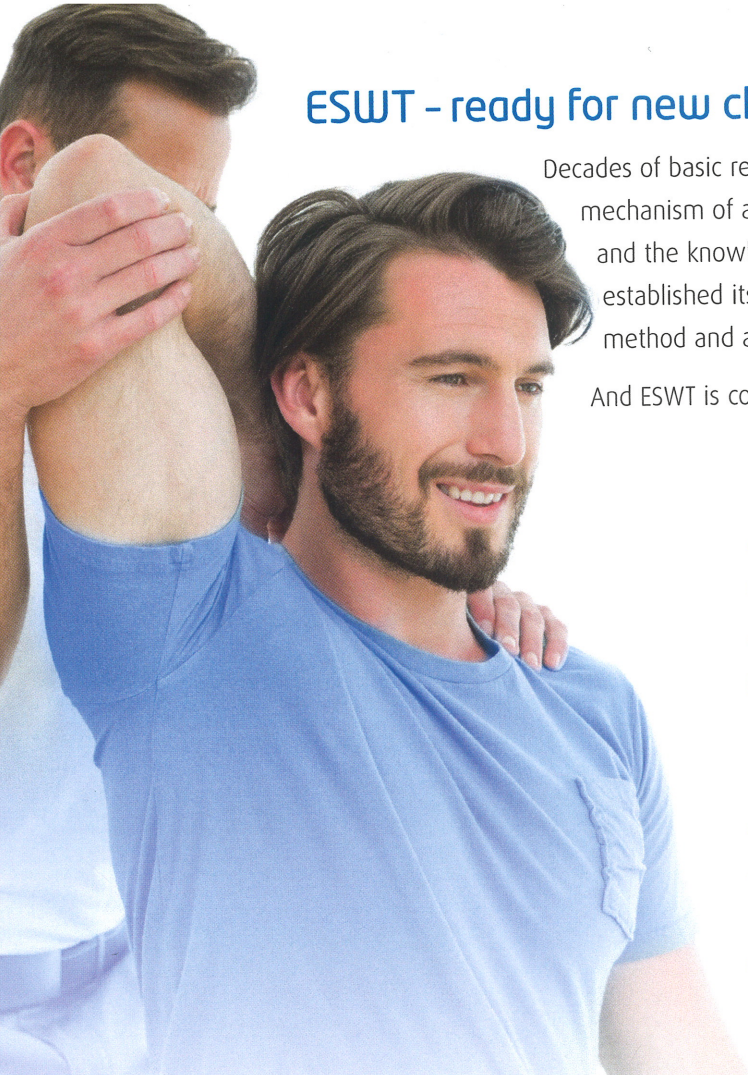
Reliable, powerful and stable – a technology which does not let you down.
That is why we are able to give our exclusive guarantee of up to 5 million shockwave pulses.



Backed by more than 30 years' experience of piezo shockwave technology, the PiezoWave^{2T} is a product which has set a new benchmark in the world of ESWT in terms of its technology. Richard Wolf GmbH and ELvation Medical GmbH – two strong partners working together for your benefit.



Choose the right PiezoWave^{2T} for you from a range of different models.

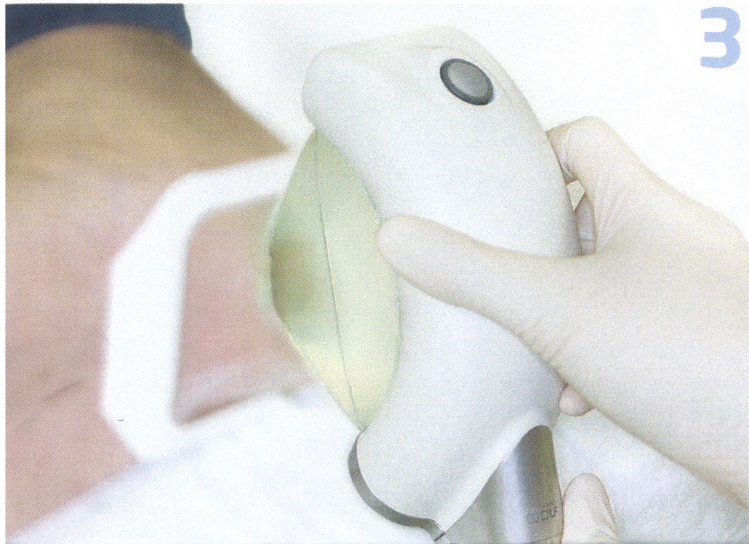
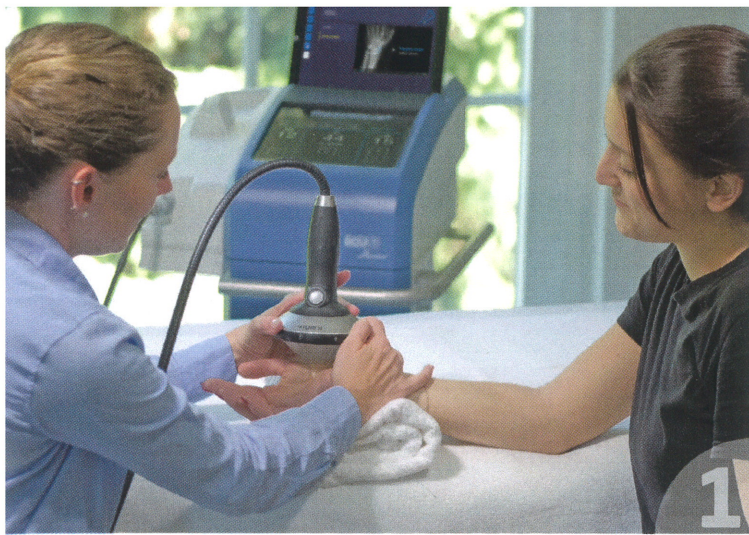


ESWT – ready for new challenges

Decades of basic research have led to a good understanding of the mechanism of action of focused shockwaves. Based on these insights and the knowledge about maximum patient safety, ESWT has established itself in different medical fields as an elegant treatment method and a preferred method for conservative treatment.

And ESWT is continually moving into new areas of application ...

- 1** Promotes regeneration and self-healing of musculoskeletal syndromes.
- 2** ESWT is one of the first-line therapies listed in the EAU guidelines for the treatment of erectile dysfunction. ESWT is also being considered to treat an increasing number of indications in the field of urology.
- 3** Supports long-lasting and effective tissue healing in chronic wound care.
- 4** Increasingly, units utilizing this technology are being successfully used in veterinary medicine.



1 2
3 4

PiezoWave^{2T} - Advantages:

Its level of quality and exceptional output levels coupled with a new system of controls set the benchmark for extracorporeal shockwave therapy.

- The right therapeutic focus for every indication
- Direct focusing – the gentlest and most precise method of generating shockwaves
- Penetration depth can be incrementally adjusted
- Unique longevity
- Stable frequency/energy flux density ratio - now treat with up to 12 Hertz
- Exceptionally low maintenance
- Dual View – support when selecting parameters
- The ELvation HUB – access to the latest information about settings and applications, available everywhere and at any time
- T-Mode. An innovative and unique treatment concept



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ESWT/ESWL Team of



spirit of excellence

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