



the  
art of  
shock  
wave

**MASTERPULS® MP50, MP100 & MP200 »ultra«**  
**Radial shock wave therapy**



**STORZ MEDICAL**





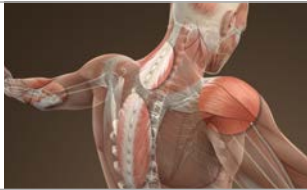
## STORZ MEDICAL AG

Today, it is virtually impossible to talk about shock waves without referring to STORZ MEDICAL. When Dr h.c. Karl Storz laid the foundation for the KARL STORZ Group back in 1945, nobody could have imagined the huge influence that the products from this crucible of innovation would have, not only on endoscopy, but also on shock wave therapy. After having launched the prototype of the world's first STORZ MEDICAL

shock wave system for use in urology in 1988, we have developed an ongoing series of technological innovations in the field of Extracorporeal Shock Wave Therapy. Offering non-invasive solutions to pressing therapeutic challenges, STORZ MEDICAL has cemented its reputation as global leader in shock wave technology.

The MASTERPULS® »ultra« line is the perfect merge of advanced technology, outstanding reliability and meticulous attention to detail. The extended energy range of the FALCON® handpiece, and the versatile transmitters, increase the spectrum of treatment options.

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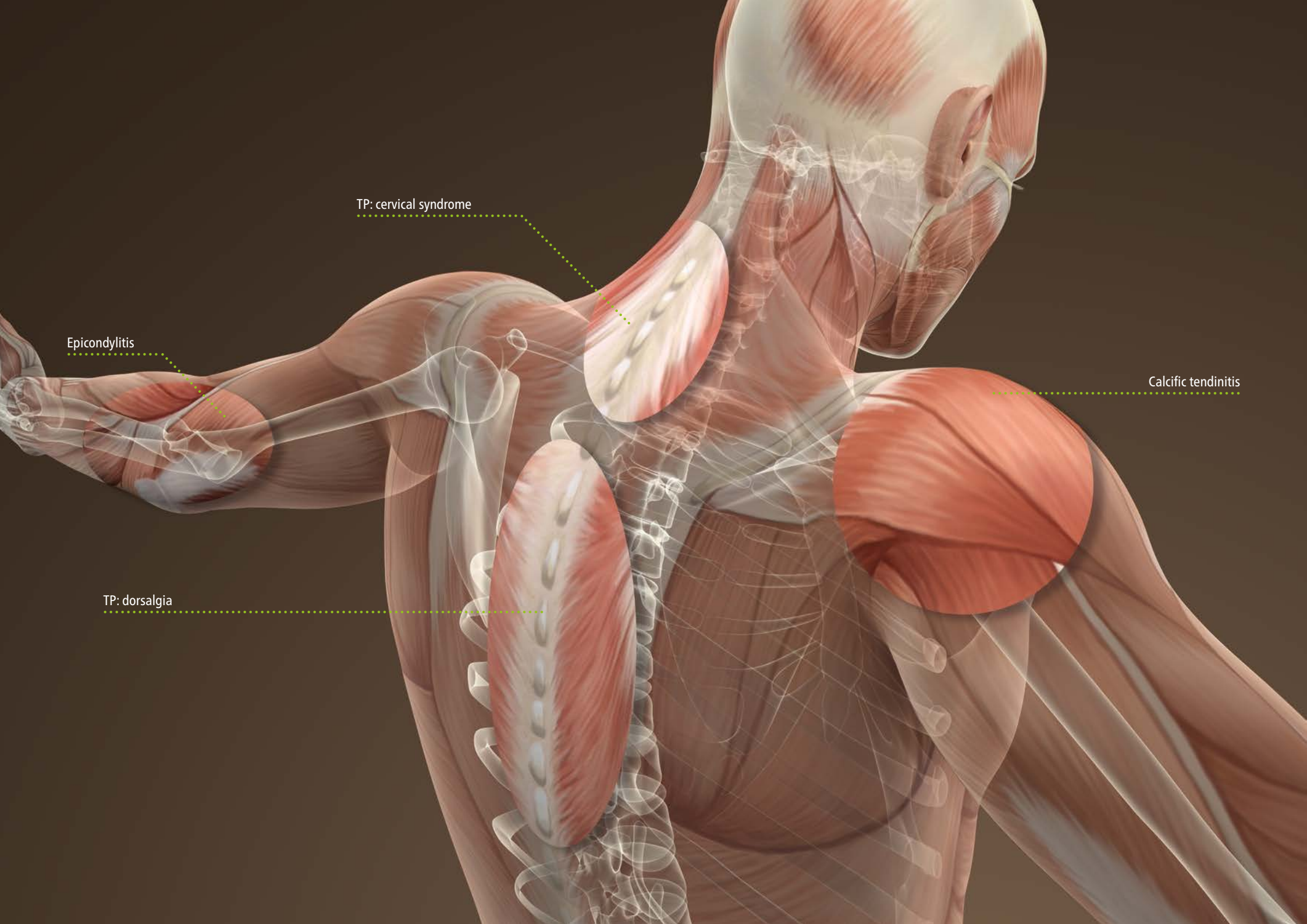


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TP: cervical syndrome

Epicondylitis

TP: dorsalgia

Calcific tendinitis

# Patient satisfaction

## Examples of indications for MASTERPULS® »ultra«

What probably matters most to patients suffering from pain syndromes is that the benefits of radial shock wave therapy should be evident in-

stantly after the treatment. The MASTERPULS® »ultra« offers a promising solution to meet these high patient expectations.

## Other applications

- Enthesopathy
- Trigger points
- Fascia

Achillodynia



Plantar fasciitis



Patellar tendinitis



Trigger points: shortened calf muscles



Tibial stress syndrome



Calcific tendinitis



Epicondylitis



Trigger points: cervical syndrome



# Key facts



## MASTERPULS® MP50 »ultra«

Sophisticated basic module

### General specifications

- Dimensions without touch screen (W x H x D): 426 x 144 x 340 mm
- Weight: 9.5 kg
- Built-in compressor
- 10" touch screen (optional)

### Radial shock waves

- Pressure: max. 4 bar<sub>eff</sub>, frequency: 1 – 17 Hz (depending on pressure)
- V-ACTOR® »HF« handpiece (optional): 1 – 21 Hz

## MASTERPULS® MP100 »ultra«

High-energy compact module

### General specifications

- Dimensions without touch screen (W x H x D): 426 x 144 x 340 mm
- Weight: 9.5 kg
- Built-in compressor
- 10" touch screen (optional)

### Radial shock waves

- Pressure: max. 5 bar<sub>eff</sub>, frequency: 1 – 21 Hz (depending on pressure)
- V-ACTOR® »HF« handpiece (optional): 1 – 50 Hz

## MASTERPULS® MP200 »ultra«

Triple Technology »Deluxe« module

### General specifications

- Dimensions without touch screen (W x H x D): 466 x 191 x 465 mm
- Weight: 25 kg
- Built-in compressor
- 10" touch screen

### Radial shock waves

- Pressure: max. 5 bar<sub>eff</sub>, frequency: 1 – 21 Hz
- Two R-SW connectors
- VACU-ACTOR® technology
- V-ACTOR® »HF« handpiece (optional): 1 – 50 Hz



# System overview

## MASTERPULS® MP50, MP100 & MP200 »ultra« – the radial shock wave generation

The radial shock wave systems in the MASTERPULS® »ultra« line boast a range of benefits: compact size, excellent reliability, low maintenance costs and a low-noise built-in »Air Power« drive. Using the MASTERPULS® MP200 »ultra«, radial shock wave therapy and V-ACTOR® »HF« vibration therapy can be complemented with VACU-ACTOR® vacuum therapy.

Unique ergonomic features: all essential controls (buttons and display) are located on the FALCON® handpiece to ensure uninterrupted and fast handling and application without having to move away from the patient. The shock wave system itself recedes into the background.

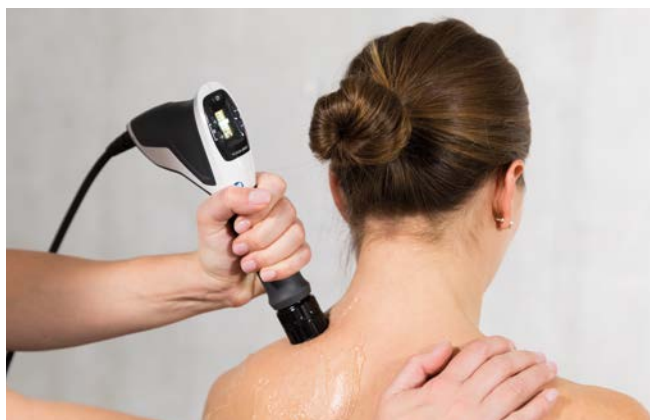
The MASTERPULS® »ultra« fits into any therapy practice space and can be colour customized to match the surroundings. The exchangeable colour accessories are available in green, blue, orange and black.



## Highlights

- Customized colour design (green, blue, orange, black)
- Effective and comfortable handling without having to move away from the patient
- All controls (buttons and display) integrated into the FALCON® handpiece
- Energy range: 0.3 – 5.0 bar<sub>eff</sub>
- VACU-ACTOR® vacuum therapy (MP200 »ultra« only)
- VACU-Cups for vacuum therapy, available in 4 sizes (Ø 25 mm, Ø 33 mm, Ø 47 mm, Ø 62 mm)
- Operation via 10" touch screen (optional for MP50 & MP100 »ultra«)

Radial shock wave therapy with R-SW FALCON® handpiece



Vibration therapy with V-ACTOR® »HF« handpiece



Vacuum therapy with VACU-ACTOR®





Ballistic shock wave generation

»Active-tip-control« display

Ergonomic, elastic, non-slip handle



# Radial innovations

## »Active-tip-control« display

The FALCON® handpiece with »Active-tip-control« display sets innovative standards in radial shock wave therapy.

All the main controls have been integrated into the handpiece. Frequency and energy levels can be selected directly using the buttons provided. The total number of pulses applied is easy to monitor.

With the radial FALCON® handpiece, the energy range has been extended to well below 1 bar<sub>eff</sub> for the first time. As a result, the user is able to slowly increase the energy and adapt treatment to the patient's pain level. This offers enhanced patient comfort during treatment.

## Highlights

- Energy range: 0.3 – 5.0 bar<sub>eff</sub>
- Ergonomic handpiece design
- Innovative »Active-tip-control« display with selectable pressure and frequency

### »Active-tip-control« display and buttons



## Radial



A6  
»AkuSt«



F15  
»White Soft«



T10  
»Finger«



R15  
»Basic Energy«



D15  
»Deep Impact«



C15  
»CERama-x«



D20-S  
»Basic Oscillator«



D20-T  
»Golden Oscillator«



D35-S  
»Large Oscillator«

## Fascia



PERI-ACTOR®  
»scraper«



PERI-ACTOR®  
»knuckle«



PERI-ACTOR®  
»sphere«



PERI-ACTOR®  
»scoop«

## Spine



SPINE-ACTOR® 1  
Span: 20 mm



SPINE-ACTOR® 2  
Span: 27.5 mm



SPINE-ACTOR® 3  
Span: 35 mm

## Special



Ro40  
»Beam«



B15  
»White Tip«



ATLAS  
»Soft Tip«

# Transmitters

## Radial FALCON® handpiece – available transmitters

### Radial transmitters

Radial transmitters have been used successfully for some years and are suitable for treating all typical shock wave indications such as tendinopathy, heel and shoulder pain and myofascial trigger points.

### Fascia PERI-ACTOR® transmitters

The four PERI-ACTOR® transmitters developed in collaboration with Drs Swart and Di Maio have been specially created for the treatment of fascia. The »knuckle«, »scoop«, »sphere« and »scraper« versions enable treatment to be adapted to the individual fascia structure. The specific shapes of the transmitters allow fascial nodules to be reached, thus maximizing pain relief.

### SPINE-ACTOR® transmitters

The three SPINE-ACTOR® transmitters come in different sizes and enable specific treatments in the paravertebral region. Owing to the forked »Double Tip« shape of the transmitters, the paravertebral muscles along the entire cervical, thoracic and lumbar spine can be easily reached.

R15 transmitter for standard indications



Fascia treatment with PERI-ACTOR® »sphere« transmitter



Paravertebral treatment with SPINE-ACTOR® 2 transmitter







# Touch screen

## The ideal add-on to the MASTERPULS® »ultra«

The optional 10" touch screen is connected with the shock wave system via a USB cable to provide valuable add-on features. Besides additional device control, the touch screen provides access to patient management functionalities as well as treatment parameters recommended by experienced users and supported by videos and images. These parameters can be retrieved and applied when required. The

integrated Visible Body® software allows not only detailed visualization of muscular structures but also a »deep dive« into the human body at different levels. Detailed definitions and in-depth anatomical information provide additional user support. Rotating and moving 3D models allow visualization of muscle movements and pathologies. This enables unprecedented interaction between user and patient.

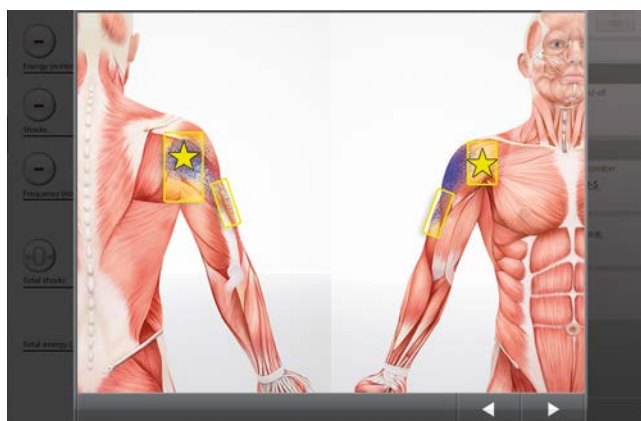
## Highlights

- 10" touch screen (optional for MP50 & MP100 »ultra«)
- Patient management functionalities with treatment history
- Treatment parameters supported by videos and images
- Visible Body® digital anatomy atlas

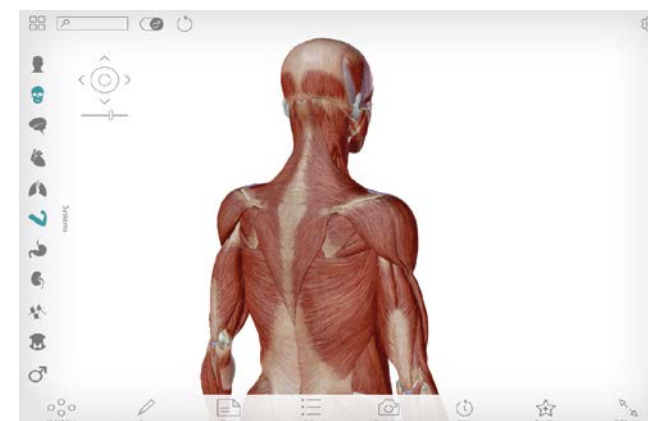
Treatment parameters with application videos

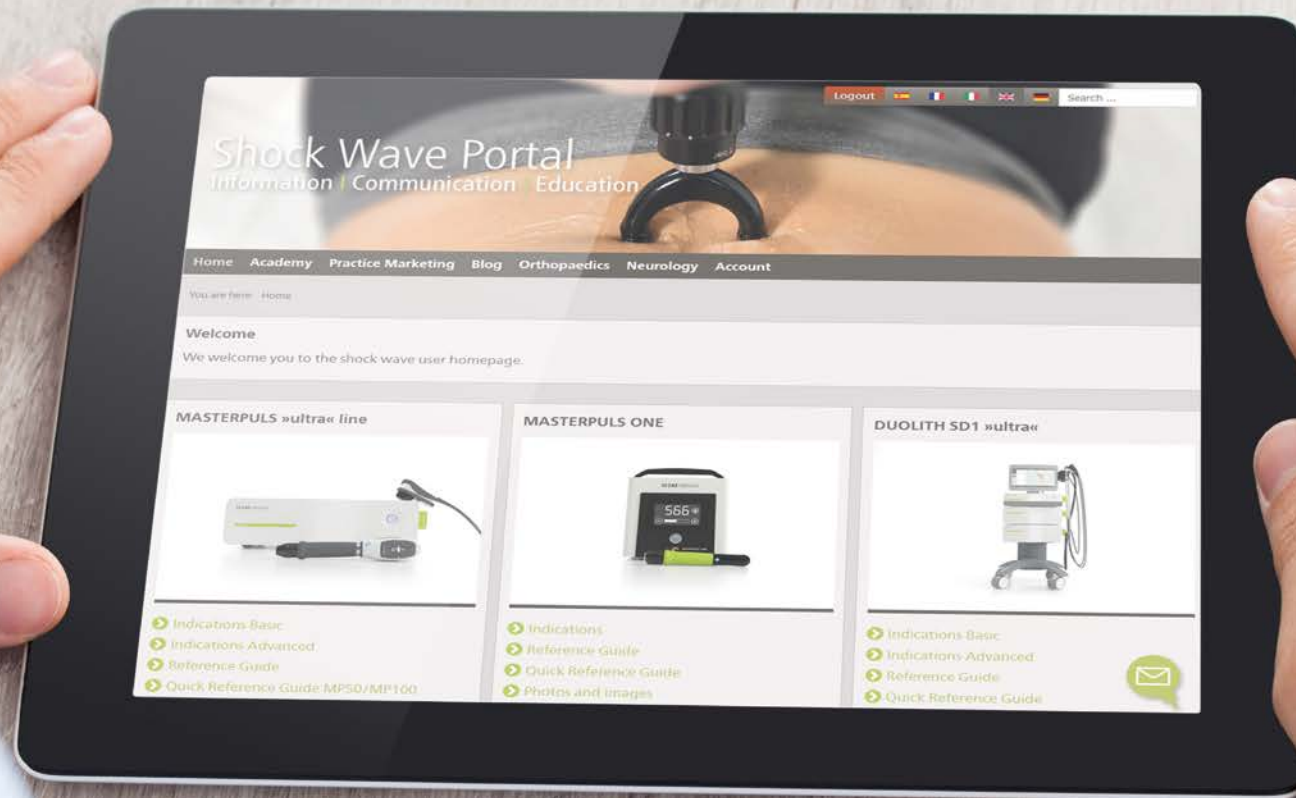


Overview of pain zones



Visible Body® digital anatomy atlas





# Shock Wave Portal

Information | Communication | Education

[Home](#) [Academy](#) [Practice Marketing](#) [Blog](#) [Orthopaedics](#) [Neurology](#) [Account](#)

You are here: [Home](#)

## Welcome

We welcome you to the shock wave user homepage.

### MASTERPULS »ultra« line



- [Indications Basic](#)
- [Indications Advanced](#)
- [Reference Guide](#)
- [Quick Reference Guide MP50/MP100](#)

### MASTERPULS ONE



- [Indications](#)
- [Reference Guide](#)
- [Quick Reference Guide](#)
- [Photos and Images](#)

### DUOLITH SD1 »ultra«



- [Indications Basic](#)
- [Indications Advanced](#)
- [Reference Guide](#)
- [Quick Reference Guide](#)





# www.shockwaveportal.com

## Shock Wave Portal – exclusive online access to the information platform

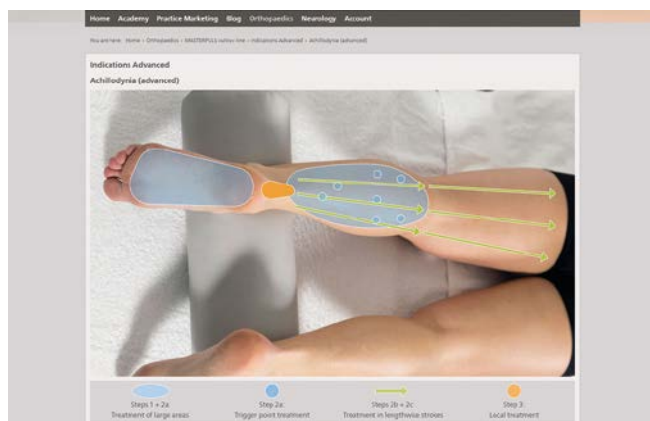
The purchase of a STORZ MEDICAL shock wave system provides access to the exclusive Shock Wave Portal. The portal offers up-to-date information from all areas of shock wave therapy. All you need is an Internet connection and a suitable display device such as a smartphone, tablet or computer. Three areas – Information, Communication and Education – provide the portal's main focus.

The Shock Wave Portal covers all relevant fields of knowledge relating to shock waves to support therapists in their day-to-day work. With the media provided in the form of literature and videos, expertise in the field of shock wave therapy is constantly being expanded.

## Highlights

- Up-to-date information from all areas of shock wave therapy
- Access from smartphones, tablets or computers with Internet connection
- Information, communication and education

### Treatment recommendations



### Treatment videos



### Contents of the Shock Wave Portal

#### Information

- Product information
- Instruction manuals (quick reference guides)

#### Communication

- News blog
- Newsletter

#### Education

- Treatment recommendations from experienced users
- Training videos covering shock wave application, system handling and servicing



www.storzmedical.com



## HUMANE TECHNOLOGY – TECHNOLOGY FOR PEOPLE



Urology



Orthopaedics



Neurology



Cardiology



Dermatology



Veterinary

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