SWISS DOLORCLAST® MASTER

→ A NEW OPERATING CONCEPT FOR RADIAL SHOCK WAVE THERAPY

FROM THE INVENTOR OF RSWT®

EMS
ELECTRO MEDICAL SYSTEMS

Touchscreen interface

Swiss DolorClast®
EVO BLUE handpiece

SWISS DOLORCLAST® MASTER
ORIGINAL METHOD

SWISS DOLORCLAST® MASTER

INNOVATIVE TOUCHSCREEN INTERFACE →

PIONEERING RSWT® HANDPIECE

→ OPERATING CONCEPT BASED ON USER-FRIENDLY INTERFACE

→ EFFICIENCY DEMONSTRATED BY SCIENTIFIC EVIDENCE

→ EVO BLUE HANDPIECE DESIGNED FOR UNPARALLELED PERFORMANCE

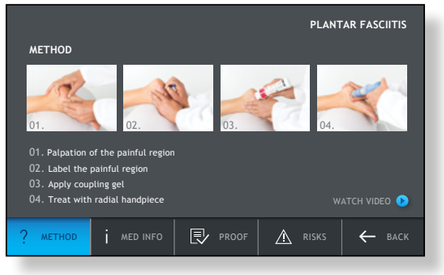
→ DIGITAL DISPLAY OF ENERGY FLUX DENSITY

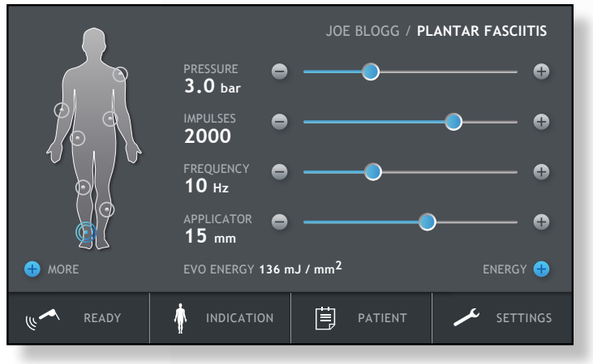
SET, TREAT AND STORE →

MUCH MORE THAN JUST ANOTHER KIND OF OPERATING MODE

METHOD

> Photos and videos of step-by-step demonstration of each application





SETTINGS

> All individual settings at a glance

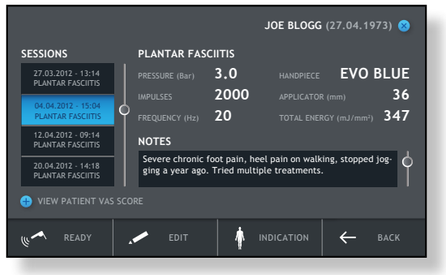
> Immediate indication of energy flux density

> Automatic recognition of the EVO BLUE handpiece

DOCUMENTATION

> Capture of the patient's entire treatment history

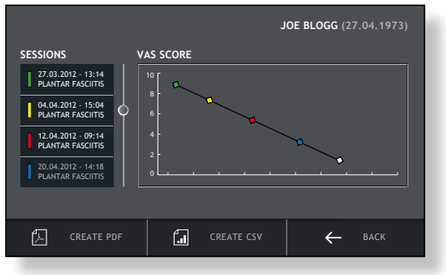
> Easy access to personalized treatment settings



SUCCESS CONTROL

> Automatic display of treatment results

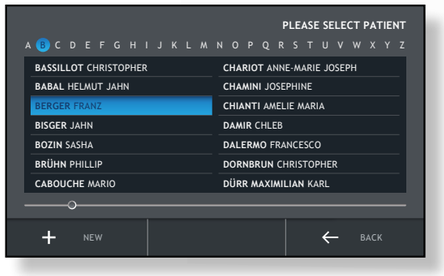
> VAS score to track pain reduction



PATIENT DIRECTORY

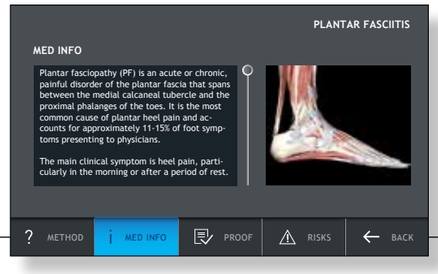
> Patient files alphabetically stored

> Immediate access to patient files



MEDICAL INFORMATION

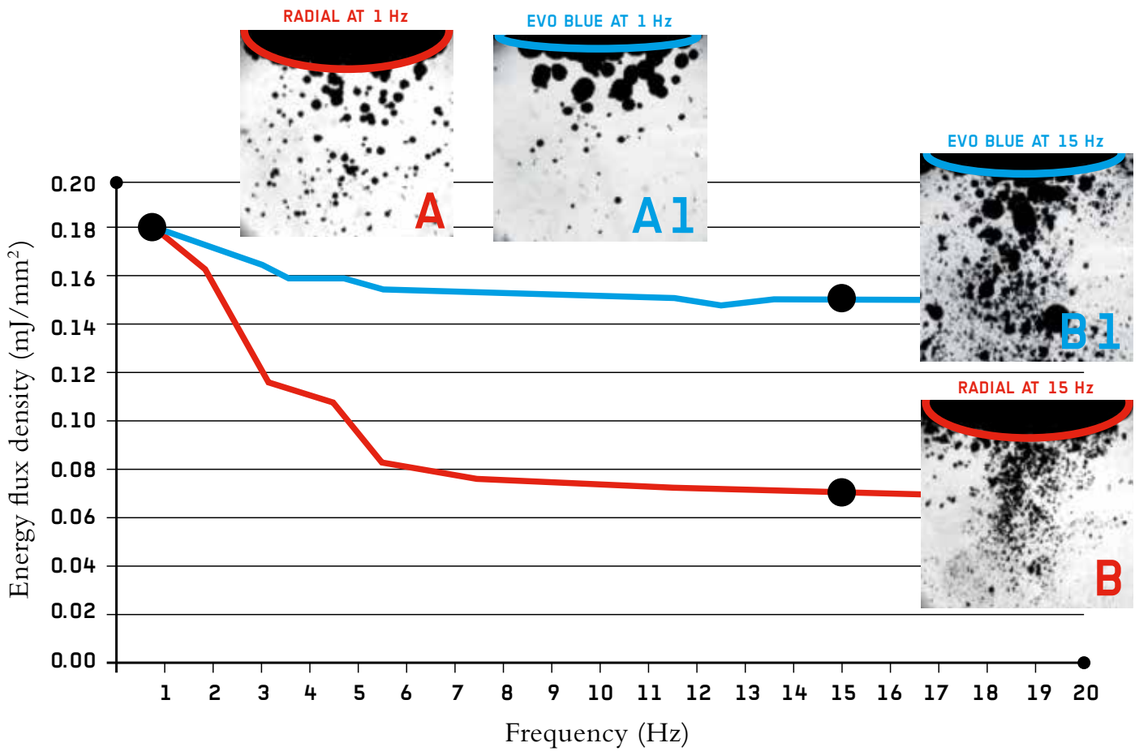
> Complete therapeutic guide of clinical data, contraindications and scientific publications for each indication

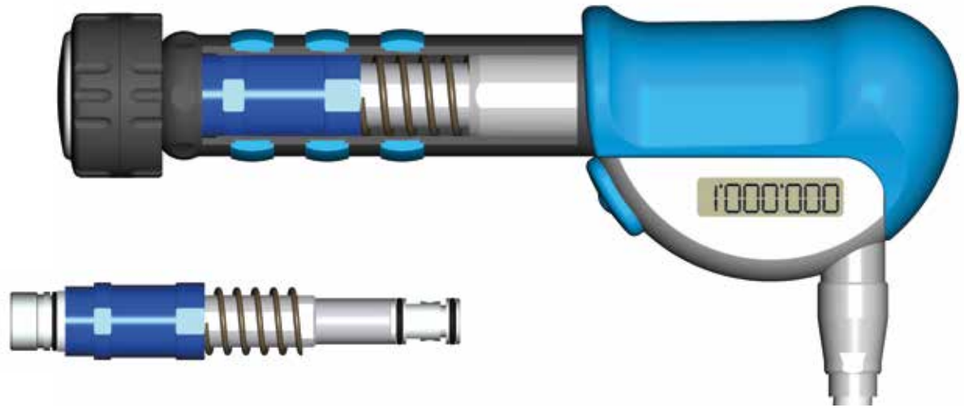


EVO BLUE ENERGY

UNIQUE RSWT® HANDPIECE DELIVERING CONSTANT ENERGY

> New Swiss DolorClast® EVO BLUE handpiece with constant energy transfer irrespective of the chosen frequency (blue curve) – unachievable using conventional technology (red curve)





High-speed photography (in degassed water) of cavitation bubbles consequent to the negative phase of the propagation of radial shock waves generated with the previous Swiss DolorClast® Radial handpiece (A, B) and the new Swiss DolorClast® EVO BLUE handpiece (A1, B1), operated with 4 bar pressure at 1 Hz (A, A1) and 15 Hz (B, B1).

Note that at 1 Hz the cavitation fields of both handpieces are very similar. In contrast, at 15 Hz the new Swiss DolorClast® EVO BLUE handpiece generates a much stronger cavitation field than the Swiss DolorClast® Radial handpiece. The fact that at 15 Hz the cavitation field of the new Swiss DolorClast® EVO BLUE handpiece is even stronger than at 1 Hz (compare B1 with A1) is most probably due to persisting cavitation bubbles that were generated by earlier radial shock waves. The red lines in A and B as well as the blue lines in A1 and B1 depict the surface of the 15 mm applicators of the handpieces.

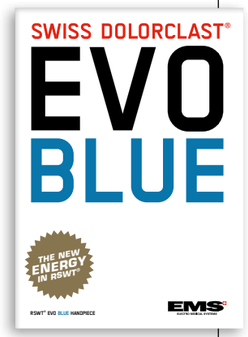
Cavitation is considered a central mechanism of action of shock waves on the musculoskeletal system (Schelling et al., Biophys J. 1994;66:133-140; Hausdorf et al., Brain Res. 2008;1207:96-101; Schmitz and DePace, Urol Res. 2009;37:231-234).

HIGHER PERFORMANCE AND EASY HANDPIECE REVISION WITH NEW APPLICATOR DESIGN AND PISTON TECHNOLOGY →

> High-precision smart-lock piston with patented valve system – for unprecedented energy flux densities at all frequencies

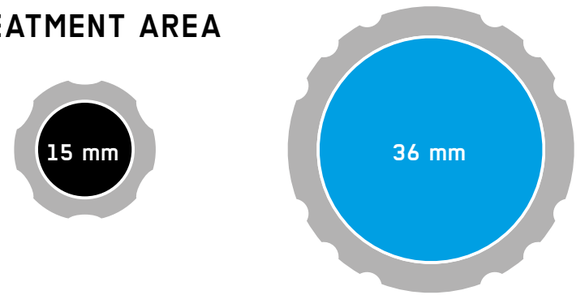
> Easy handpiece revision by quick replacement of smart-lock piston – much faster, more precise and safer than (self-) assembly of single spare parts

> The latest masterpiece from the inventor of radial shock wave therapy (RSWT®) – the Original Swiss DolorClast® Method

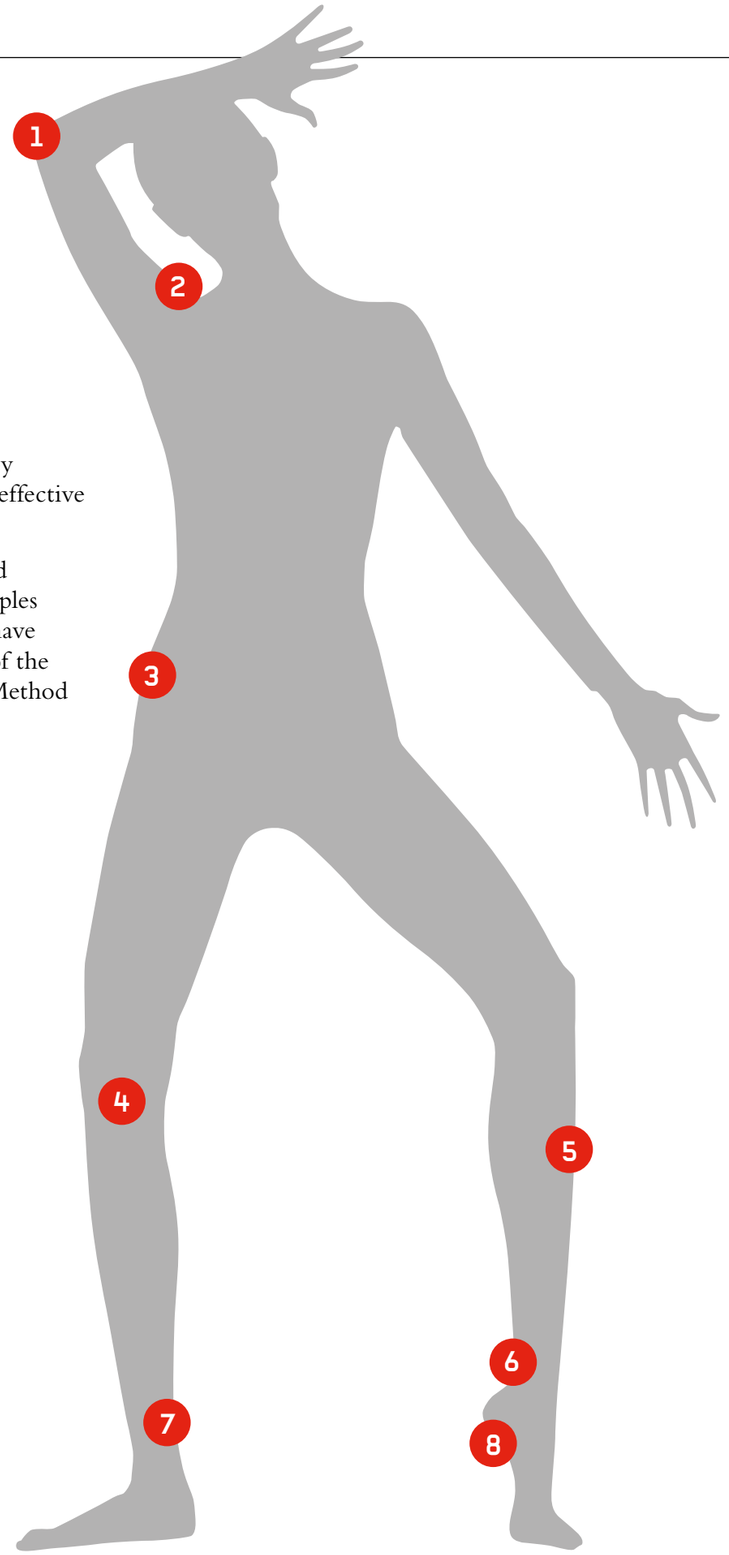


Learn more about the EVO BLUE energy

6 x LARGER TREATMENT AREA



RADIAL SHOCK WAVES TODAY



POINT-BY-POINT EVIDENCE

> Radial shock wave therapy (RSWT®) is proven safe and effective for all indications shown

> Clinical studies conducted in accordance with the principles of evidence-based medicine have demonstrated the efficiency of the Original Swiss DolorClast® Method

IF PAIN SUFFERERS ONLY KNEW →

SCIENTIFIC STUDIES SUPPORT THE EFFICIENCY OF THE ORIGINAL SWISS DOLORCLAST® METHOD

INDICATIONS WITH RANDOMIZED CONTROLLED CLINICAL TRIALS★ →

1 **TENNIS ELBOW**
Epicondylitis humeri radialis
Literature: Mehra et al., Surgeon 2003;1:290-292 (I)★

2 **SUBACROMIAL PAIN SYNDROME**
Literature: Engebretsen et al., Brit Med J 2009;339:b3360 (I)★

3 **GREATER TROCHANTERIC PAIN SYNDROME**
Literature: Furia et al., Am J Sports Med 2009;37:1806-1813 (II-2)★
Rompe et al., Am J Sports Med 2009;37:1981-1990 (I)★

4 **PATELLA TIP SYNDROME**
Literature: Furia et al., Knee Surg Sports Traumatol Arthrosc 2013;21:346-350 (II-2)★

5 **MEDIAL TIBIAL STRESS SYNDROME**
Literature: Rompe et al., Am J Sports Med 2010;38:125-132 (I)★

6 **INSERTIONAL ACHILLES TENDINOPATHY**
Literature: Rompe et al., Am J Sports Med 2007;35:374-381 (I)★
Rompe et al., Am J Sports Med 2009;37:463-470 (I)★

7 **MIDBODY ACHILLES TENDINOPATHY**
Literature: Rompe et al., Am J Bone Joint Surg 2008;90:52-61 (I)★

8 **PLANTAR FASCIITIS**
Literature: Gerdesmeyer et al., Am J Sports Med 2008;36:2100-2109 (I)★
Ibrahim et al., Foot Ankle Int 2010;31:391-397 (I)★

> Randomized controlled clinical trials are ongoing regarding the following indications: rugby knee (Osgood-Schlatter disease), idiopathic low back pain, pseudoradicular syndromes and myofascial pain syndrome – the results will be published online

OTHER INDICATIONS →

> Moreover, the Swiss DolorClast® is also approved for the treatment of the following indications: calcifying tendinitis of the shoulder, primary and secondary lymphedema, Peyronie's disease, acute and chronic soft tissue wounds and cellulite

★ Evidence levels defined by the United States Preventive Services Task Force

ULTIMATE RADIAL SHOCK WAVE EXPERIENCE

ALL ADVANTAGES AT A GLANCE →

> Unique system that automatically displays the actual energy flux density applied to the patient (in mJ/mm²), calculated on the basis of the selected air pressure (in bar). This allows the user to continuously monitor the energy applied to the tissue

> 17 ready treatment protocols with preset recommended settings

> Possibility to create up to 200 personalized treatment protocols

> Up to 3000 patient files stored with automatic treatment history storage

> USB memory port to upgrade software and easily export data

> With 20° inclination for ideal screen vision

> Energy Flux Density mJ/mm² - on display

ALL IN

TECHNICAL DATA

Frequency	1 – 20 Hz
Air Pressure Range	1.5 – 4.0 bar
Impulses Range	500 – 10'000
Weight	Approx. 6.4 Kg
Dimensions (HxLxD)	136 x 356 x 391 mm

REFERENCES

Swiss DolorClast® Master	FT-217
Dedicated Cart	DW-039
Compressor	DW-017
Swiss DolorClast® EVO BLUE Handpiece	FR-119A
Cable and bottle holder	FR-158/A

Available on the App Store

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"I FEEL GOOD"

EMS-SWISSQUALITY.COM

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