

Modular shock wave therapy

Focused and radial shock waves plus ultrasound diagnosis merged in a single system

Orthopaedists, specialists in sports medicine and pain therapists can now benefit from a unique medical innovation: focused and radial shock wave therapy and ultrasound diagnosis have been merged in a single system.

Accurate imaging-supported diagnosis increases the number of successful therapies. This is why ultrasound diagnosis is an important tool in shock wave therapy to enable monitoring and control of treatment results. The DUOLITH® SD1 »ultra« has inaugurated a new era of enhanced ease of use for shock wave therapists. With the modular design of the system, the clever building-block approach has been translated into a smart shock wave technology solution, enabling all customers to tailor the system to their specific requirements. Depending on the configuration, the individual modules – F-SW (focused shock wave therapy), R-SW (radial shock wave therapy) and control unit with or without ultrasound (black & white or colour Doppler) – can be extended at any time to suit new requirements and broaden the range of treatment options.

The control unit, equipped with a touch screen with intuitive user interface, stores both patient data and all relevant treatment parameters and ultrasound images via a patient management system. Treatment transparency, comparability and, consequently, efficiency are thus enhanced for doctors and patients alike.

Images, treatment videos and before/after comparisons of the ultrasound scans help patients to get a realistic, clear picture of the treatment being done. The innovative radial handpiece sets new standards in the market because of its ergonomic design



Fig. 2: DUOLITH® SD1 »ultra« – B/W ultrasound examination (front shoulder)



Fig. 1: DUOLITH® SD1 »ultra« – modular shock wave therapy

and its integral controls for pressure and frequency settings. The first DUOLITH® SD1 »ultra« was installed at the SMI (Institute for Sports Medicine Frankfurt am Main e.V.) headed by Prof. Heinz Lohrer in spring 2012.

Being a famous shock wave therapy centre, the SMI is the ideal place to put a new system to the acid test and verify its suitability for everyday use. By now, the DUOLITH® SD1 »ultra« has become a vital part of the institute's daily practice.

"The fact that ultrasound diagnosis and shock wave therapy have been merged in a single system for the first time and that all patient-relevant data can be stored enables me to always have everything in one place and save time", says Prof. Lohrer. "Moreover, thanks to the system's elegant, high-value design even the look of it matches our philosophy of quality and patient focus", adds Dr Tanja Nauck, sports scientist at the SMI.

◆ **Information:** STORZ MEDICAL
www.ultra.storzmedical.de