

LSTC-ED[™]

Linear Shockwave Tissue Coverage - Erectile Dysfunction



LSTC-ED a new and unique approach

Advanced linear Shockwave treatment of Erectile Dysfunction

Point focused (Fig.1/4) and linear focused (Fig.2/5) shockwaves have shown to provide good results in the treatment of vascular-related ED. However they were hindered by difficulty in treatment delivery and especially treatment coverage using typical applicators. New experience in the low intensity shockwave treatment of ED using a therapy source with a linear shaped therapy focus are showing improved results utilizing an optimized, new treatment strategy. The treatment strategy is called LSTC-ED (Linear Shockwave Tissue Coverage - Erectile Dysfunction) (Fig 3/6/11). The innovation in treatment involves the direction of the energy application and the course of treatment which covers the entire cavernous bodies. The energy is applied at a right angle to the cavernous bodies by moving the therapy source longitudinally through the Penis (Corpora Cavernosa) and Perineum (Crura Penis), which completely covers the target tissue.



Fig.1: Primary focal or defocused treatment

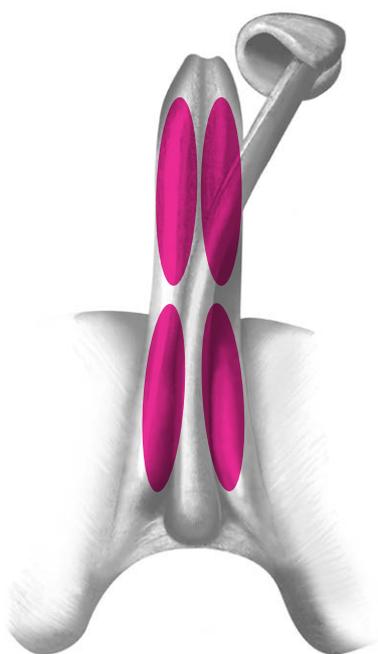


Fig.2: Linear shockwave treatment

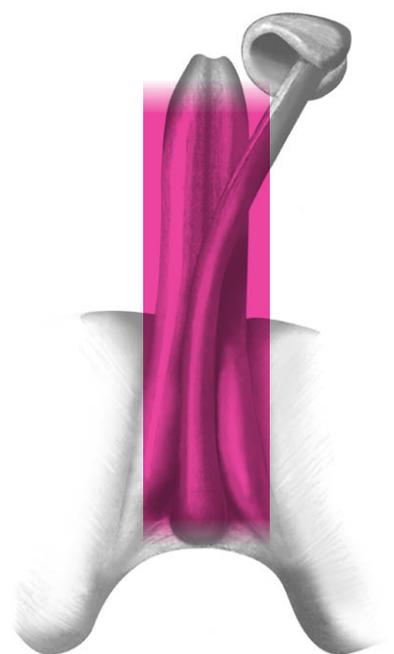


Fig. 3: Linear Shockwave Tissue Coverage LSTC



Fig.4

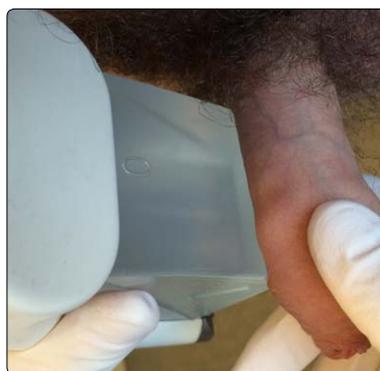


Fig.5



Fig.6

Optimized organ coverage PiezoWave² with therapy source FBL 10x5G2

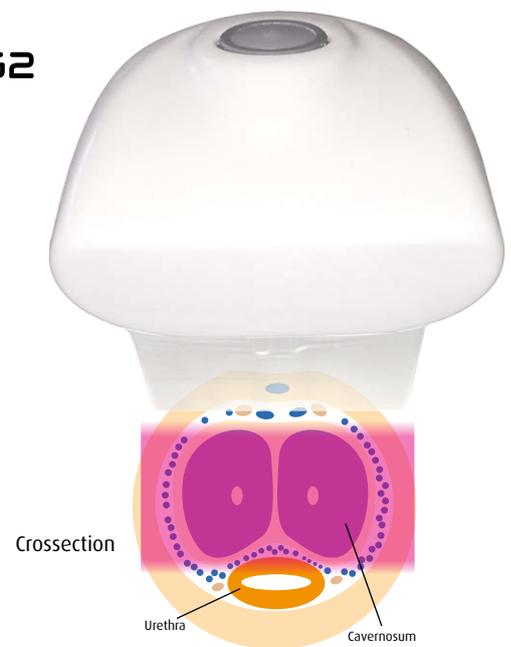
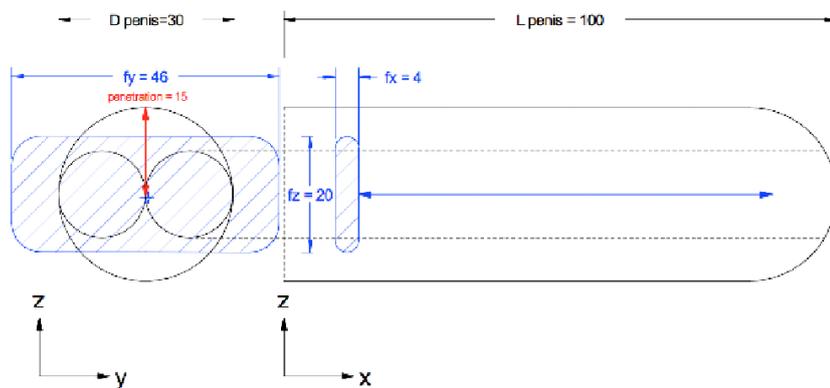


Fig.11

Treatment experiences LSTC-ED with the PiezoWave2:

Adjust the intensity to 15-20 and frequency to 8 Hz, use suitable gelpad to set the penetration depth to 10-15 mm. To avoid air bubbles use Elvation shockwave gel. (Fig.10)

Using the LSTC technique (Fig. 3/6/11) slowly move the PiezoWave2 linear probe oriented transversely over the treatment areas. Apply 2000 shocks on the perineum (both crus penis) (Fig.7) + 2000 shocks on dorsum penis (both corpus cavernosum) (Fig.6/8). A special penile holder (Fig.9) facilitates treatment delivery. With this technique one session with a total of 4000 shocks will guarantee full organ therapy coverage.

Repeat approx. 4-6 times at weekly intervals.



Fig.7



Fig.8



Fig.9



Fig.10

With its unique technological characteristics, PiezoWave² is fundamentally different from all competitive technologies. Compared with other products PiezoWave² offers:

- LSTC™ technique guarantees full organ coverage, treats the entire penile tissue with low intensity focused shockwaves
- Unique for the treatment of vasculogenic ED. The piezo-shockwave with a linear therapy focus
- The piezo-shockwave with a linear therapy focus providing a unique, non-pharma treatment of vasculogenic ED.
- Linear shaped piezoelectric, mobile therapy source provides a lifespan up to 5 Million shocks, which is up to five times longer lifetime than other shockwave technologies
- Extremely precise focus formation and penetration depth and the ability to set the depth of focus in the range of 0-20 mm (10-20 mm suitable for the treatment of ED)
- Frequency up to 8 Hz providing the shortest treatment duration (one session in approximately 8-15 min)
- Shorter length of treatment compared to previous shockwave treatments

PiezoWave² = an ideal device for the treatment of ED using low-intensity focused shock waves.

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The information in this brochure is not intended as a replacement for the information provided by the most current User Manuals of the different shockwave systems. Depending on the individual circumstances it may be necessary to deviate from the values and settings given in this brochure. Medical knowledge is constantly subject to change as a consequence of new research and clinical developments. This means that it may be necessary to deviate from the information provided in this brochure.

Reference note: Erectile Dysfunction treatment with Piezowave² device. Low Intensity Shockwaves applied by novel Linear Shockwave Tissue Coverage (LSTC™) technique. A prospective, multicentric, placebo group controlled study.

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PiezoWave 2



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