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Abstract

Is low intensity shock wave a favorable modality in the treatment of Peyronie's disease?

Submission Author: Reza Mohammadian

Reza Mohammadian¹, Saeed Shakeri¹, Shahriar Zeighami¹, Alireza Tadayon¹, Hadi Rezaei¹, Nader Abdalkhani¹, Masoud Salehi¹, Mohsen Croup¹, Mahnaz Yadollahi²

¹ Fars branch of Iranian Urological Association

² Trauma Research Center, Shiraz, Iran

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Background and Aim: To evaluate the efficacy of low intensity shock wave (LISW) in the treatment of Peyronie's disease and its subsequent complications such as erectile dysfunction (ED) or painful erection.

Methods: Thirteen patients with Peyronie's disease (PD) and subsequent ED or painful erection participated in this study. Each patient underwent several courses of LISW therapy directed to his penis using BTL-6000 SWT Topline Power. Before and after the treatment, variables including plaque size, ED, and pain were documented and changes were compared. Statistical analysis was done using Chi-square test.

Results: The mean for LISW therapy was 6,80 sessions. Each patient received 3000 shocks to

his penis in each treatment course and all the patients tolerated the procedure without any complication. All the patients had improvement in erectile function (100%) Thirty percent had painful erection that all of them had their pain relieved after therapy (100%) Thirty percent had decrease in their plaque sizes and in 30% the plaques were completely disappeared after the treatment. LISW therapy was significantly effective in the resolution of Peyronie's plaque when it was less than 5 square centimeter (p: 0,021).

Conclusion: LISW therapy seems to be a safe and effective non-invasive modality in the treatment of PD and its subsequent complications.