Pilot Trial, First Report Worldwide for Unfocused SoftWave® Therapy (uESWT) for the Treatment of Testicles to Improve Testicular Size and Function

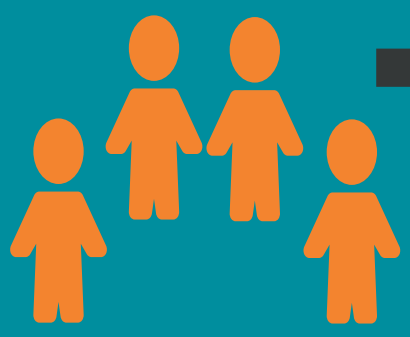
Georgia Urology, Atlanta, USA. 2018

Introduction

Testosterone in males is produced in the testicles. With aging testosterone levels are reduced, and this is associated with the loss of libido and erectile dysfunction (ED). In the U.S. ED is common affecting at least 12 million men[1]. Usual practice to treat ED in the U.S., involve Shock Wave Therapy (SWT) using radial and ballistic devices. However, the Mayo clinic (Rochester, MN) during the 2018 ISSM Congress in Lisbon, reported only an average success rate of about 50 %. In order to improve ED problems of aging men, we used a novel approach of ESWT which uses unfocus SoftWaves. Based on previous studies we predict these uESWT could improve testicular health and function.

Methods

4 patients - Age: 57-71



- 1-2 treatments in two weeks
- 400 – 500 pulses and energy level 0.08 – 0.1 mJ/mm² per testicle

two weeks after

Pre-treatment Testosterone level	Post-treatment Testosterone level
207 (180-227) ng/dl	299 ng/dl

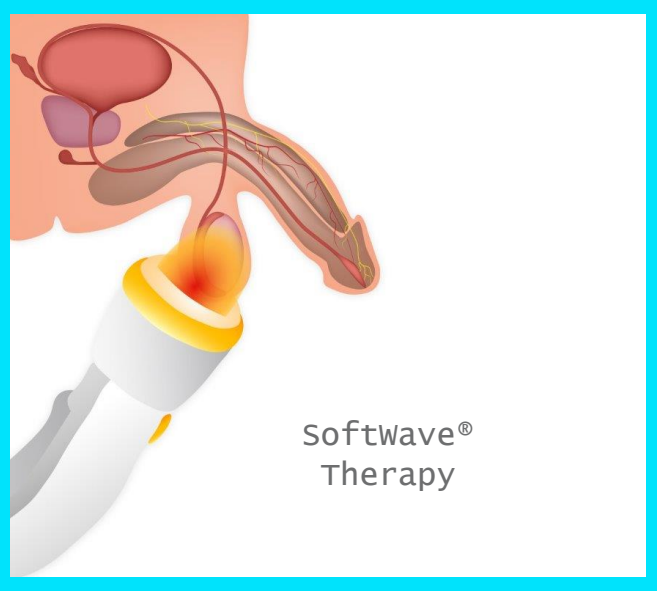
Results

Post treatment average testosterone levels improved 45 %.

No patients reported pain during or after treatment.

No analgesic was required during therapy.

All of the patients continue to use the therapy and report continued satisfaction and improved libido.



Discussion

The testicles appear to be producing natural testosterone and returning to near normal size, improving functionality. However, additional studies are needed.

Conclusion

Based on the results of this pilot trial, TRT is sponsoring an IRB study to expand the number of patients and the scope of the study. IRB partners are being recruited at this time. It seems as if the added treatment of the testicles during ED therapy may support improved outcomes and patient satisfaction.

[1] Howden LM, Meyer JA; U.S. Census Bureau. Age and sex composition: 2010. 2010 Census briefs.http://www.census.gov/prod/cen2010/briefs/c2010br-03.pdf.Accessed May 02, 2019.

ISMST The International Society for Medical Shockwave Treatment

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TRT Tissue Regeneration Technologies