



An innovative medical device for optimizing erectile function and erection quality, specifically designed for convenient self-use at home.



FOR HOME USE



RF TECHNOLOGY



NON INVASIVE



LONG TERM RESULTS



DRUG FREE



SAFE



CLINICALLY TESTED



ERECTILE QUALITY



NO PAIN



PRESCRIPTION FREE

OHMED Medical Ltd.

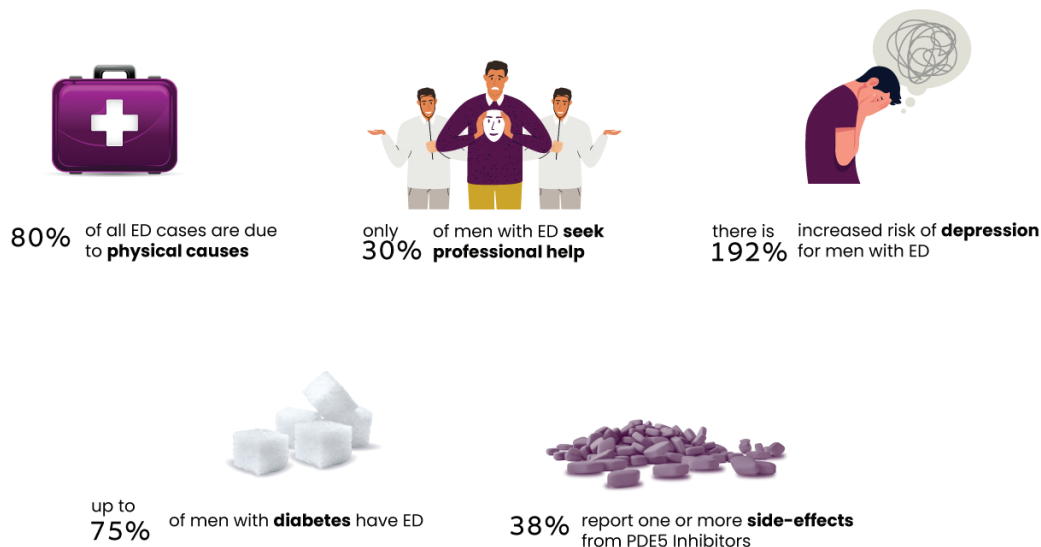
vertica-labs.com | ohhmed.com

1 Tsiv'onit St, Tiberias, 1410002, ISRAEL

OVERVIEW – ERECTILE DYSFUNCTION

Most men over the age of 40 experience a deterioration of erectile function.

1 out of 10 men are estimated to experience ED at some point in their lifetime. (Cleveland Clinic, 2019). Up to 40% of the men aged 40 experience symptoms of erectile dysfunction (University of Wisconsin Health, 2019).



Erectile dysfunction is usually caused by two factors:

(i) reduced blood flow to the penile erectile bodies and (ii) penile blood leakage during erection ('venous leakage'). Venous leakage is directly associated with impaired integrity of collagen fibers in the tunica albuginea (TA).

The TA has a central role in the erectile mechanism, by occluding the penile venous outflow and trapping the blood within the penis during erection (Figure 1). However, age-related degenerative changes and atrophy of collagen fibers in the TA result in the loss of this veno-occlusive function (Figure 2), which leads to leakage of blood from the penis during erection with a resulting erectile dysfunction.

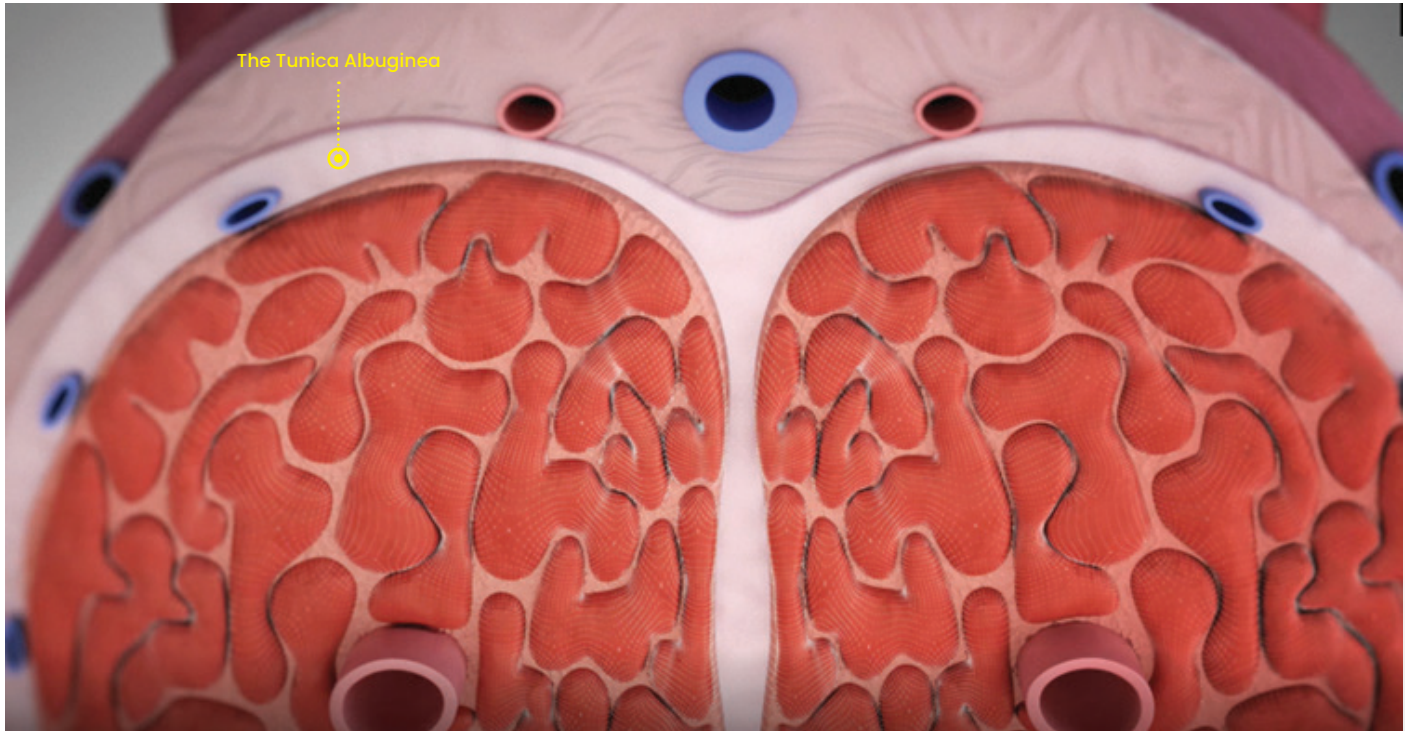
NOW, for the first time, penile venous leakage is reversable using Vertica's® unique technology!

Vertica's® uses radio frequency (RF) energy to treat venous leakage and restore erectile function, allowing every man to benefit from an effective, non-invasive, simple and easy to perform treatment.

NORMAL ERECTION

The tunica albuginea stretches to occlude and "lock" penile venous outflow, through compression of the penile venules passing through it, thereby maintaining the erection.

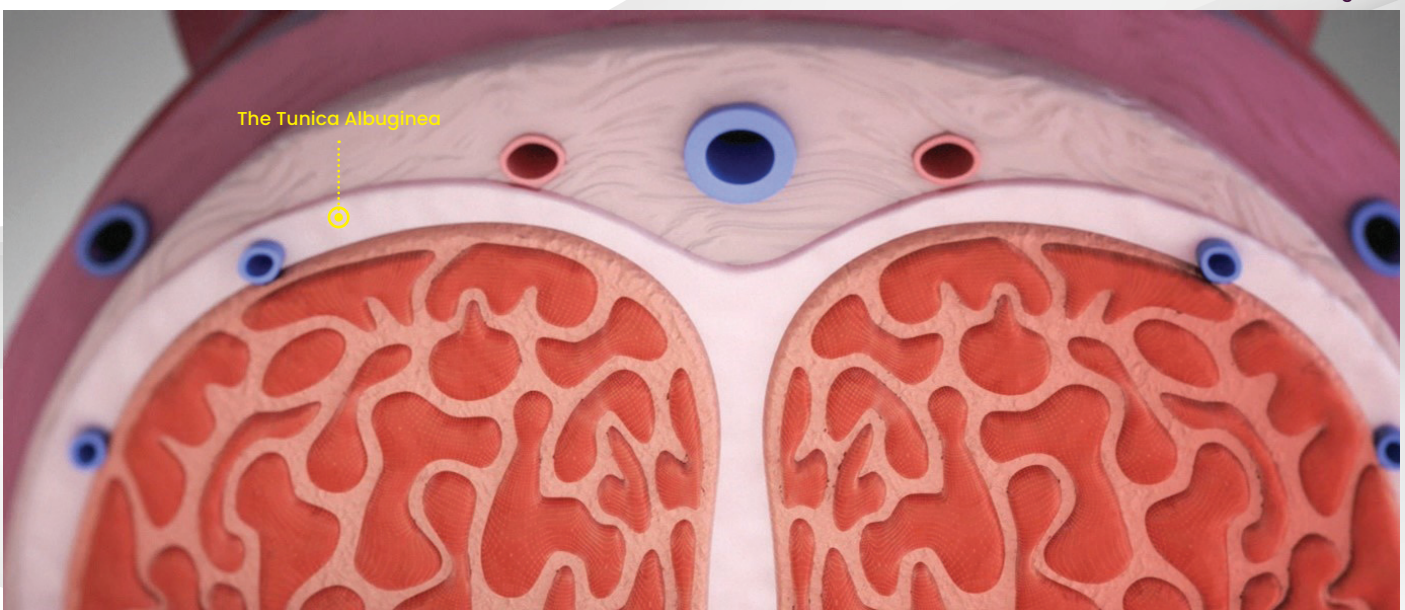
Figure 1



ERECTILE DYSFUNCTION

Age-related atrophic changes in collagen fibers comprising the tunica albuginea lead to its luxation and floppiness, and the loss of the veno-occlusive mechanism. Consequently, blood escapes from the erectile bodies and erections cannot be maintained.

Figure 2



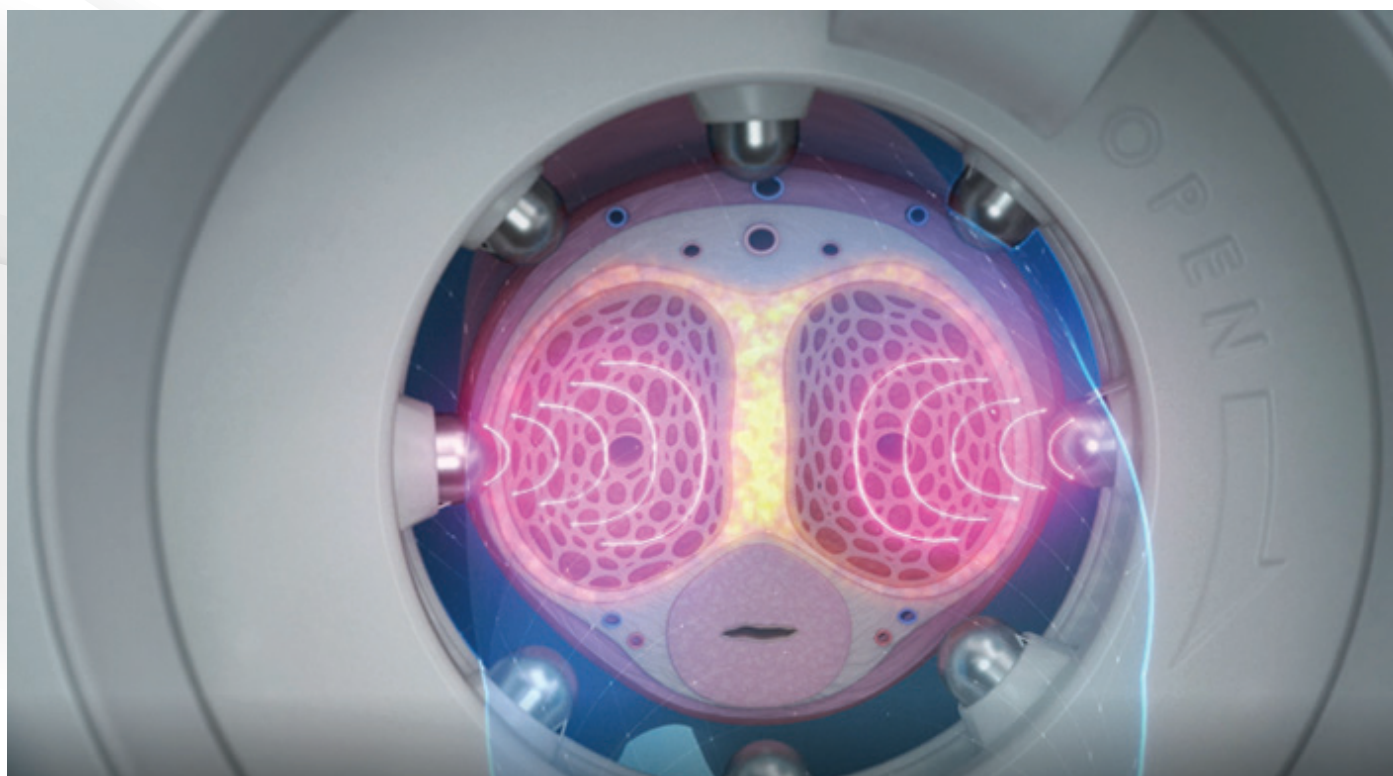
VERTICA® HOME-USE DEVICE

Vertica® is a medical home-use device that treats erectile dysfunction in a non-invasive manner, providing a long-term solution in cases of poor erectile tissue function.

To optimize erectile function, Vertica's® smart algorithm utilizes the geometry of the penis and its internal erectile bodies to induce precision collagen synthesis in the TA and strengthen the penile Venous Occlusive Mechanism (VOM).

Developed by urologists, Vertica® addresses significant unmet needs in the sexual health market, applying pioneering Radio Frequency (RF) technology to restore and enhance the penile erectile mechanism by stimulating collagen production in the corpora cavernosa (the penile erectile tissues).

Vertica® is intended for use by men experiencing erectile difficulties, and those wishing to improve erectile function and prevent ED due to age-related collagen degradation in the erectile tissues.



CLINICAL STUDY RESULTS

A pilot clinical study was performed to assess the safety and efficacy of Vertica® – a RF home-use medical device for improving penile erections. The study, done at the Neuro-Urology unit, Rambam Healthcare Campus in Israel, was conducted on 28 patients with erectile dysfunction. Results demonstrated significant improvement and enhancement of penile erections (up to 89% success rates). Results further demonstrated a high sexual quality of life and high satisfaction from treatment.

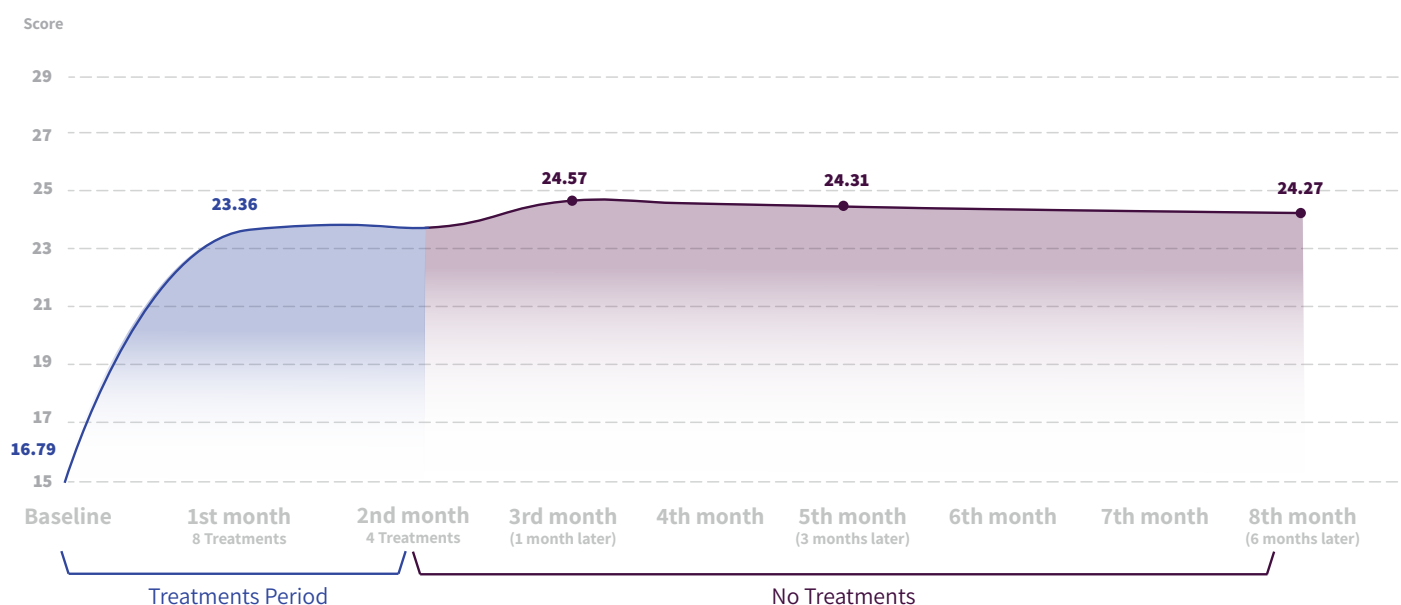
2 key outcome measures were assessed by international validated questionnaires: IIEF-EF (The International Index of Erectile Function – Erectile Function) and EHS (Erection Hardness Score).

Our results showed that 25/28 patients (89%) achieved an improvement in their erectile function, expressed by an increase of minimum 5 points for the moderate ED patients, and of minimum 2 points for the mild ED cases.

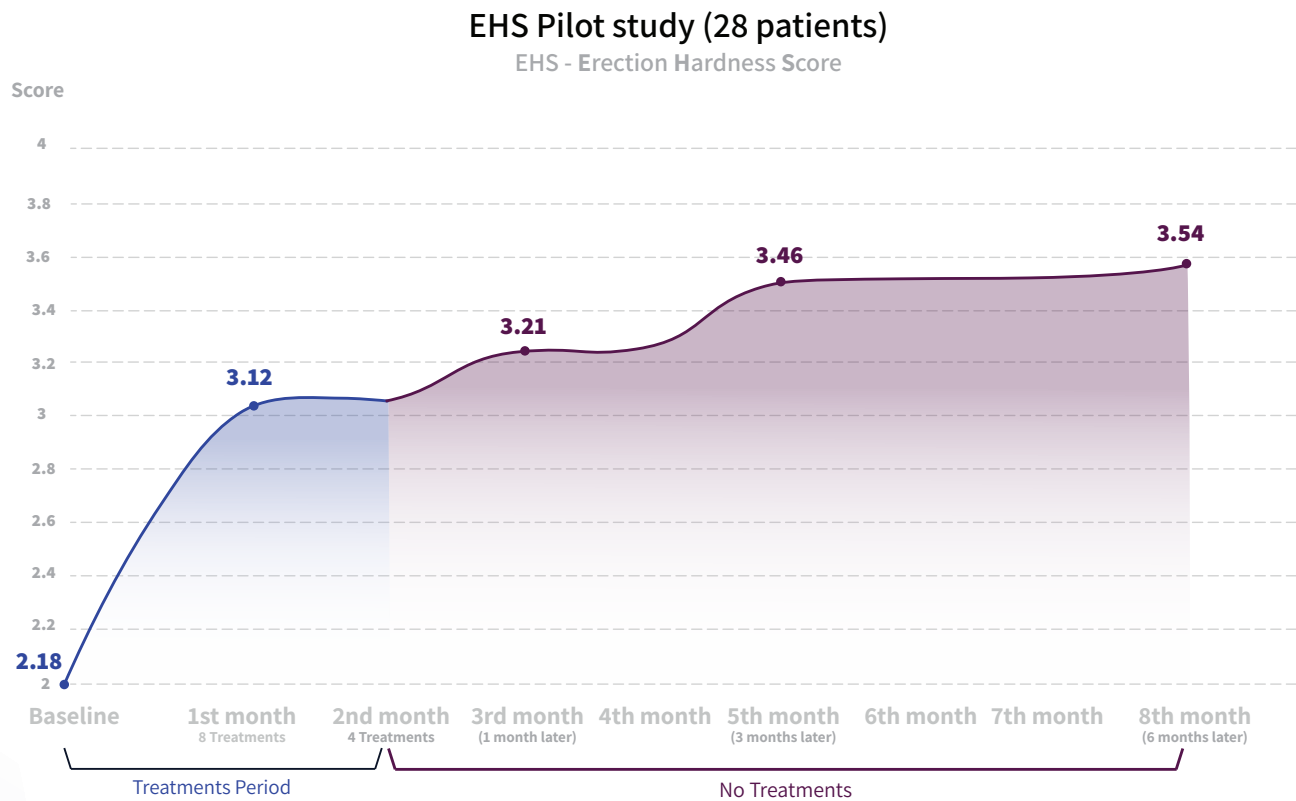
Overall, the mean IIEF-EF score increased by 7.6 points – an impressive increase representing a significant enhancement of erectile function.

IIEF - EF Pilot study (28 patients)

IIEF - International Index of Erectile Function



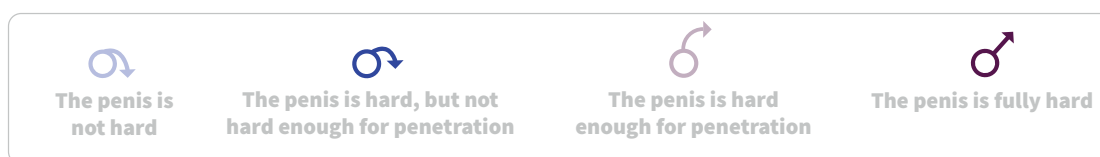
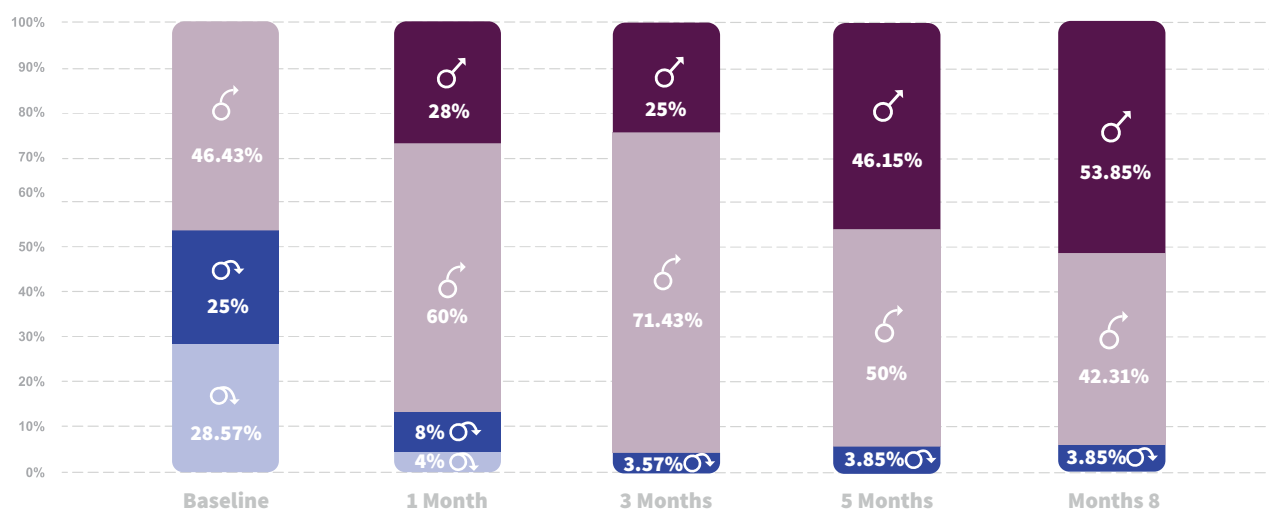
At baseline, the mean EHS score of study participants was 2.18. At 1 month of follow-up, pursuant to a series of 12 treatments with Vertica®, no lack of hardness was reported, and mean EHS score increased to 3.22 (approx.1 score improvement compared to baseline).



At 3 months and 6 months following treatment conclusion, the mean EHS score continued to increase by a mean of 0.25 and 0.08 points respectively, reaching 3.54 (defined as 'sufficiently hard for penetration to fully hard').

Hence, the beneficial effect of treatment with Vertica® had been preserved and even further improved for the majority of the patients, up to six months after treatment conclusion, enabling many to have full sexual intercourse.

Results of the clinical study - Improving Erectile Hardness Score (EHS) by Vertica Treatment



Vertica *by* OHMED



OHMED Medical Ltd.

vertica-labs.com | ohhmed.com

1 Tsiv'onit St, Tiberias, 1410002, ISRAEL