

# THE PRELIMINARY RESULTS OF THE MULTI-CENTER PILOT STUDY

## THE USE OF HIFEM TECHNOLOGY IN THE TREATMENT OF PELVIC FLOOR MUSCLES AS A CAUSE OF FEMALE SEXUAL DYSFUNCTION

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### ABSTRACT

**Background:** Pelvic floor muscles support the pelvic floor organs, control the continence and play a crucial role in adequate genital arousal and attainment of orgasm.

**Aim:** We aimed to investigate the effect of a non-invasive High-Intensity Focused Electromagnetic (HIFEM) technology on pelvic floor muscles in women with sexual dysfunctions.

**Methods:** 30 women (average age 36.41±5.62) with impeded sexual functioning through limited arousal, ability to achieve orgasm and increased intercourse pain were comprised in this study. Patients underwent 6 treatments, scheduled twice a week. They completed standardized Female Sexual Function Index (FSFI) questionnaire pre-, post- 6 treatments, and during a 3-month follow-up visit. Data of 30 patients were collected and statistically evaluated through t-test (p<0.05).

**Results:** In all treated patients we observed significant improvement in all FSFI items post-treatment. These results were maintained during 3-month follow-up. The results are summarized in the table below.

	FSFI SCORE						
	DESIRE	AROUSAL	LUBRICATION	ORGASM	SATISFACTION	PAIN	FULL SCORE
BEFORE (points)	2.79	3.41	3.42	3.20	3.01	4.24	20.06
3-MONTH FOLLOW-UP (POINTS)	4.87	5.24	4.68	5.06	5.20	5.25	30.29
3-MONTH FOLLOW-UP IMPROVEMENT	86%	58%	61%	70%	85%	34%	57%

**Conclusion:** Although performed on a limited number of patients, our initial experience shows that HIFEM technology seems promising in increasing quality of female intimate life.

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