# CORE TO FLOOR STUDY: IMPROVED QUALITY OF LIFE IN ELDERLY PATIENTS 

THE IMPROVEMENT IN QUALITY OF LIFE AND CORE MUSCLE STRENGTH IN ELDERLY PATIENTS BY SIMULTANEOUS APPLICATION OF HIFEM WITH SYNCHRONIZED RADIOFREQUENCY

Diane Duncan, M.D., FACS¹, David Kent, MD², Evan Appelbaum, M.D., FAAC³

1. Plastic Surgery Associates, Fort Collins, CO, USA
2. Skin Care Physicians of Georgia, Macon, Georgia, GA, USA
3. Men's Health Boston, 200 Boylston St a309, Chestnut Hill, MA, USA

Presented at IMCAS World Congress 2023, Paris

## HIGHLIGHTS

- 39 patients were enrolled (60-79 years, 19.7-33.9 kg/m², skin type I-V)
- Four HIFEM+RF procedures (once a week over abdomen) and six standalone HIFEM procedures (twice a week over pelvic floor) were administered
- The biofeedback pressure measurements showed an increase in core muscle strength by $\mathbf{+ 3 3 . 7 \%}$ at a 3-month follow-up
- Three months after the last treatment, on average:
- 92\% of patients were satisfied with the treatment outcomes
- 89\% of patients could get up easily from a sedentary position
- $\mathbf{8 9 \%}$ of patients felt that their core is stronger
- $\mathbf{8 9 \%}$ of patients felt improvement in overall body movement
- 76\% of patients were able to perform their daily activities better
- 68\% of patients felt that they are at a lesser risk of falling


## RESULTS

## BASELINE



AFTER THE $4^{\text {TH }}$ TREATMENT


1 MONTH FOLLOW-UP


Digital photographs of a 60-year-old female patient with a BMI of $22 \mathrm{~kg} / \mathrm{m}^{2}$ at baseline (left), after the $4^{\text {th }}$ treatment (middle), and 1-month follow-up (right; -2.54 cm in circumference). At 3 months the core muscle strength increased by $+55.6 \%$. Courtesy of: David Kent, M.D.

## BASELINE



AFTER THE $4^{\text {TH }}$ TREATMENT


1 MONTH FOLLOW-UP


Digital photographs of a 65-year-old female patient with a BMI of $21.1 \mathrm{~kg} / \mathrm{m}^{2}$ at baseline (left), after the $4^{\text {th }}$ treatment (middle), and 1-month follow-up (right; -2.06 cm in circumference). At 1 month, the core muscle strength increased by $+21.4 \%$. Courtesy of: Diane Duncan, M.D.

