EMSCULPT NEO FUNCTIONAL WELLNESS: IMPROVEMENT IN MUSCLE FUNCTION

SIMULTANEOUS APPLICATION OF HIFEM PROCEDURE AND RADIOFREQUENCY FOR IMPROVEMENT OF MUSCULAR SYSTEM FUNCTION - PRELIMINARY DATA

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HIGHLIGHTS

- **32 patients** (32 83 years old, BMI 27 \pm 4 kg/m²) with atrophied muscles due to surgery, refrained physical activity, or injury were enrolled in the study
- Subjects were allocated into two groups: active group and sham group
- Subjects were not limited from undergoing any additional treatments such as physical therapy
- Four 30-minute HIFEM + RF treatments scheduled once a week were delivered on the lower extremities
- **Muscle strength** of the treated muscles (quadriceps, hamstrings, calves) was measured by a dynamometer



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RESULTS

- Dynamometer measurements showed that the active treatment group's muscle strength increased threefold compared to the sham group immediately after the last treatment
- 95% of the subjects reported that the treatment helped them with atrophy/weakness, and they feel more comfortable during physical activities in the treated area at the 1-month follow-up visit
- 90% of the subjects reported that the treatments have helped with muscle re-education (restored muscle engagement and normal movement) at the 1-month follow-up visit
- 80% of the subjects reported that the treated muscles feel less prompt to injury at the 1-month follow-up visit

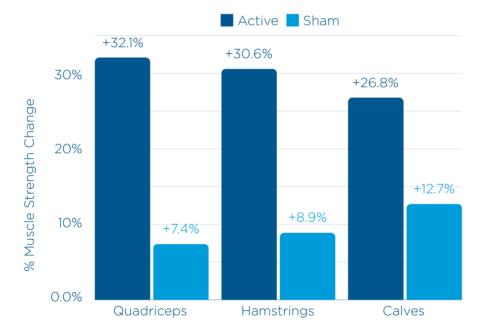


Figure 1 - Muscle strength increase comparison between Active and Sham group after the last treatment

PATIENT CASE

A 73-year-old female subject presented with left quadriceps muscle weakness and a history of lumbar surgery

- 30.7% muscle strength improvement in the treated area at the 1-month follow-up
- The subject described **improved flexibility after the treatments** and an **increased range of motion** at the 1-month follow-up visit
- The subject reported **engaging in sports activities again** (playing golf) at the 1-month follow-up visit

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