

## EMSCULPT NEO FUNCTIONAL WELLNESS: IMPROVEMENT IN JOINT FUNCTION

## EFFECT OF HIFEM APPLICATION ON MUSCULOSKELETAL SYSTEM: EVALUATION OF MUSCULOSKELETAL SYSTEM IMPROVEMENT - PRELIMINARY DATA

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## **HIGHLIGHTS**

- **31 patients** (23 78 years old, BMI 25 ± 4 kg/m²) with a history of musculoskeletal and joint issues were enrolled in the study
- Four 30-minute HIFEM treatments scheduled once a week were delivered on the upper or lower extremities
- WOMAC and DASH guestionnaires were used to evaluate treatment results
  - WOMAC (Western Ontario and McMaster Universities Osteoarthritis Index) is designed to evaluate the condition of patients with osteoarthritis of the knee and hip
  - DASH (The Disabilities of the Arm, Shoulder, and Hand Questionnaire)
    is used to measure physical function and symptoms in individuals with
    upper extremity musculoskeletal disorders



AVERAGE IMPROVEMENT IN WOMAC SCORE



AVERAGE IMPROVEMENT IN DASH SCORE



AN INCREASE IN RANGE OF MOTION

## **RESULTS AT 1-MONTH FOLLOW-UP**

- 62% average improvement in WOMAC score (indicating improvement of pain, stiffness, and physical function of lower extremities)
- 49% average improvement in DASH score (indicating improvement of physical function and disability level of upper extremities)
- 91% of subjects reported that their treated joints feel better
- 87% of subjects reported a reduction of discomfort in the treated area
- 83% of subjects reported an increased range of motion in the treated area
- 78% of subjects reported improvement in mobility in the treated area

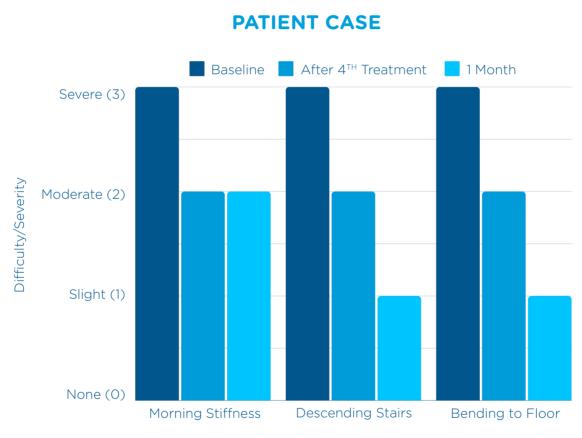


Figure 1 - Patient's changes in selected WOMAC domains

A 40-year-old marathon runner presented with bilateral knee pain, particularly aggravated during walking downstairs.

- At baseline, the patient experienced severe difficulty when descending stairs and bending to the floor, alongside significant morning stiffness.
- At one-month follow-up, the patient reported noticeable improvements in range of motion, stiffness, mobility, and flexibility, along with reduced pain.