

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** questionnaires 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

62%

AVERAGE
IMPROVEMENT
IN WOMAC SCORE

49%

AVERAGE
IMPROVEMENT
IN DASH SCORE

83%

SUBJECTS REPORTED
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**

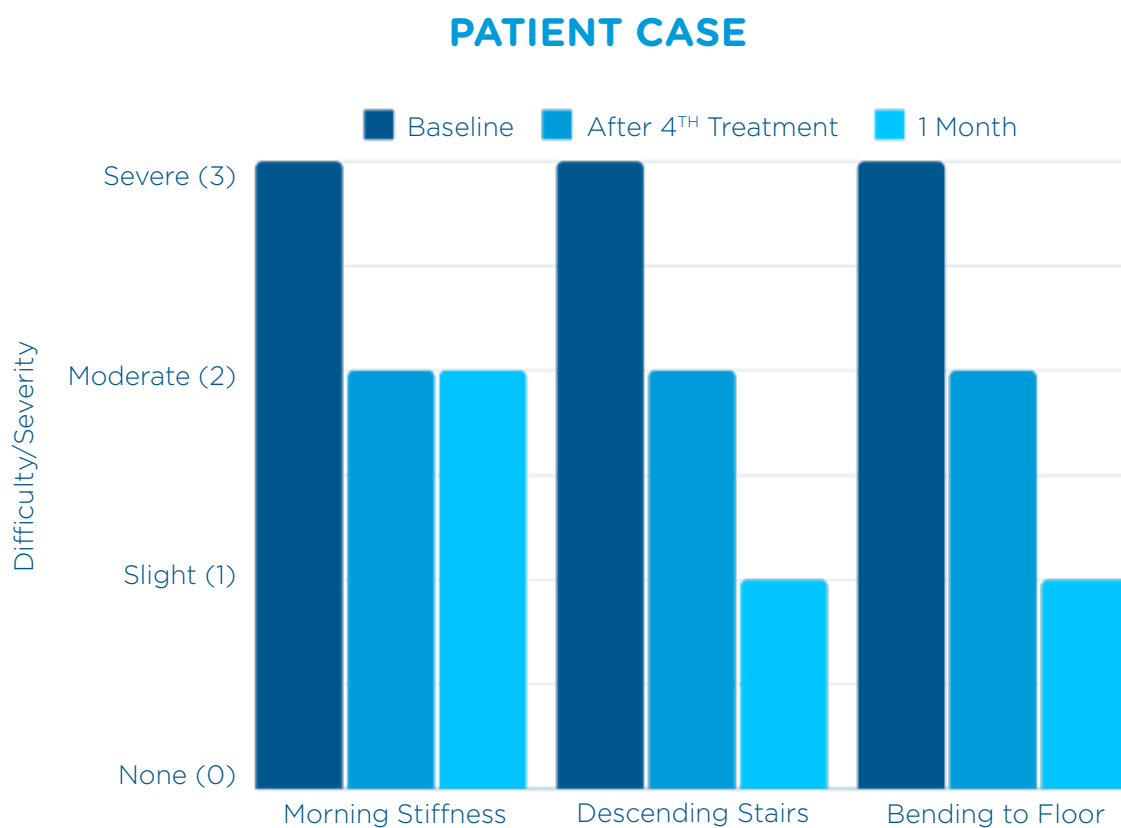


Figure 1 - Patient's changes in selected WOMAC domains

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.**