

# SciMoTech Therapy - Clinical Study Overview

## Study Design

- **Objective:** Evaluate SciMoTech Therapy effects on knee pain and gait performance
- **Participants:** 32 patients completed program
- **Duration:** 12 weeks

## Measured Outcomes

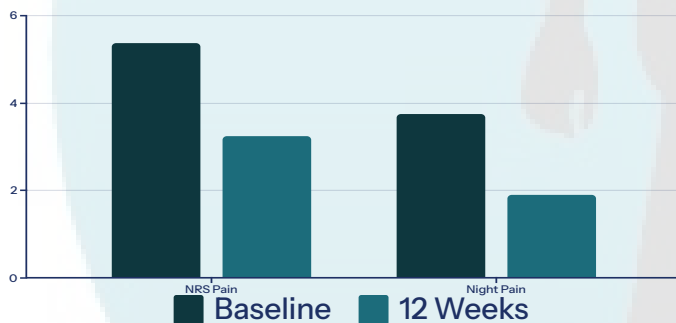
- Pain intensity (NRS, Night NRS)
- Functional status (KOOS)
- Gait velocity and step length
- Single-limb support time

## Key Clinical Outcomes

2.1

### NRS Pain Reduction

86% improved  $\geq 1$  point  
 $p < 0.001$



1.8

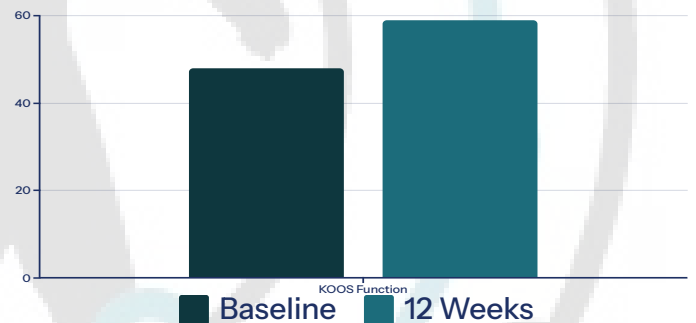
### Night Pain Reduction

78% improved  $\geq 1$  point  
 $p < 0.001$

11.3

### KOOS Score Increase

67% exceeded MCID  
 $p < 0.001$



### Gait Velocity

↑ 13.4 cm/s ( $\pm 13.7$  cm/s)

83% increased speed  
barefoot

$p < 0.001$

### Step Length

↑ 4.0 cm ( $\pm 4.9$  cm)

80% improved symmetry  
barefoot

$p < 0.001$

### Single-Limb Support

Significant improvement in  
stance phase

Better load distribution

$p < 0.001$

📌 **Clinical Significance:** All measured changes exceed published MCID thresholds for musculoskeletal pain and gait parameters, confirming meaningful improvement in patient outcomes beyond statistical significance.