



Spatial StimelMD (SSMD): Redefining Rehabilitation



Designed for Therapists, Built for Results:

The Spatial StimelMD (SSMD) revolutionizes neuromuscular rehabilitation with cutting-edge technology, helping therapists deliver faster, more effective recovery solutions. By integrating Functional Electrical Stimulation (FES), Neuromuscular Electrical Stimulation (NMES), and biofeedback into one seamless device, it offers personalized therapy tailored to each patient's needs, enabling them to reclaim independence and mobility.

What Makes SSMD Essential for Your Practice?

Personalized Therapy Solutions

- Stimel-03 is powered by BioRhythmIQ™ technology, which adapts seamlessly to the patient's unique needs, like a tailor adjusting a suit.
- This cutting-edge system uses real-time patient data to customize stimulation, ensuring every session precisely matches the patient's current clinical status for optimal outcomes.

Comprehensive Rehabilitation: Combining 3 powerful modalities in a single device:

- **Functional Electrical Stimulation (FES):** Activates targeted muscle groups to improve movement patterns.
- **Neuromuscular Electrical Stimulation (NMES):** Strengthens muscles and restores function.
- **Biofeedback:** Provides immediate feedback, empowering patients to engage in their recovery.

Clinically Proven Results

- **Hand Range of Motion:** Patients in SSMD trials showed statistically significant improvements in hand angle compared to traditional methods ($p < 0.001$).
- **Daily Functionality:** Functional Independence Measure (FIM) scores in activities of daily living were significantly higher for SSMD patients ($p < 0.05$).
- **Stroke Recovery:** Patients experienced a marked reduction in stroke symptom severity ($p < 0.001$) and enhanced motor recovery as measured by Fugl-Meyer Assessment scores.

A Solution for Diverse Conditions: The SSMD addresses a wide array of rehabilitation needs:

- Post-stroke recovery
- Neurological impairments
- Post-surgical rehabilitation
- Chronic mobility challenges

Seamless Integration into Clinical Practice

- Lightweight, portable, and intuitive, the SSMD is easy to implement in any therapy setting.

- It's designed for both in-clinic use and home-based rehabilitation, giving you and your patients unmatched flexibility.

How the SSMD Stands Out from the Competition

The SSMD sets itself apart from competitors in the field of electrical stimulation by offering advanced levels of personalization and real-time adaptability. Unlike standard FES devices, which rely on pre-set parameters disconnected from the patient's clinical status, or FES + Biofeedback systems that lack patient-specific signal integration, The SSMD utilizes patient-derived EMG characteristics and dynamically adjusts stimulation parameters during sessions. These distinctive capabilities enhance treatment precision, as demonstrated by scientific literature to increase rehabilitation efficacy. The SSMD's features provide a clear advantage in delivering effective and patient-centric neuromotor rehabilitation.

So Why Should I get Involved with the SSMD?

- **FDA Cleared:**
 - Safety and efficacy validated through clinical trials.
- **Therapist-Centered Benefits: Accelerated Results Through Neuroplasticity**
 - The SSMD stimulates neuroplasticity, promoting the brain's ability to rewire and form new neural connections, leading to faster and more effective recovery outcomes.
- **Enhanced Patient Engagement**
 - Built-in biofeedback keeps patients motivated by displaying measurable progress, empowering them to take an active role in their rehabilitation.
- **Intelligent, Data-Driven Adjustments**
 - Real-time data ensures every session delivers optimal therapeutic outcomes. Therapists can easily monitor and fine-tune treatment parameters to suit evolving patient needs.
- **Compact and User-Friendly:** Simple to use and designed to fit seamlessly into your practice.
- **Cost-Effective and Accessible**
 - The SSMD offers an affordable solution that ensures advanced therapy is accessible to clinics and patients. By combining multiple treatment modalities into one device, the SSMD reduces the need for additional equipment, simplifying workflows and saving costs over time.
- **Customizable Therapy Plans:** Tailored to individual patients' goals and progress.
- **Multifunctional:** Equally effective for upper and lower limb rehabilitation across a wide range of severities and conditions.

Join the Future of Rehabilitation

Empower your patients and enhance your practice with the SSMD. Contact us today to schedule a demo or learn more.