



motion
INFORMATICS

Spatial StimelMD (SSMD): Advancing Sports Injury



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Advancing Sports Injury Rehabilitation

As participation in outdoor activities increases, so does the prevalence of sports injuries, emphasizing the need for effective rehabilitation solutions. Motion Informatics' SSMD integrates Functional Electrical Stimulation (FES), Neuromuscular Electrical Stimulation (NMES), and biofeedback to provide a comprehensive, personalized approach to accelerate rehabilitation and enhance outcomes for athletes and healthcare professionals.

Addressing Sports Injury Rehabilitation

Athletes recovering from sports injuries face physical and functional challenges that can significantly hinder their performance. The SSMD offers targeted interventions to address these issues, proving invaluable in the rehabilitation process.

Combating Muscle Weakness and Enhancing Mobility

Muscle weakness, a common result of sports injuries, can impede an athlete's performance and functionality. SSMD utilizes FES technology to stimulate weakened muscles and restore neural connections, improving muscular strength and mobility, which helps athletes regain their athletic abilities.

Improving Range of Motion and Neuromuscular Coordination

Reduced range of motion and impaired neuromuscular coordination are significant barriers for injured athletes. SSMD's integration of NMES technology helps activate and coordinate motor units, enhancing joint motion and neuromuscular coordination, which in turn boosts overall athletic performance.

Enhancing Athletic Performance and Recovery

SSMD's biofeedback technology helps address the mental and emotional challenges athletes face during rehabilitation. It provides real-time feedback on muscle activity, allowing for tailored treatment and enhancing motor learning, thereby improving both physical and psychological outcomes.

Optimizing Rehabilitation Outcomes

SSMD supports both clinical and home use, allowing athletes to integrate consistent therapy into their routines, which accelerates recovery and helps them return to peak performance. This versatile approach ensures effective integration of rehabilitation into athletes' training regimens.

... and let it be said

SSMD is one of the options for sports injury rehabilitation, combining FES, NMES, and biofeedback technologies. This integrated approach helps athletes overcome the challenges of sports injuries and achieve peak performance. Tailored treatment plans and personalized care are crucial, making SSMD an essential tool for delivering exceptional care and maximizing rehabilitation outcomes.