



furchtlos und treu

“Extrazell® battery supported Bio Mechanical Stimulation handheld device is an important part of our overall therapy for cell biologic regeneration... Now, the offer with Extrazell® battery supported Bio Mechanical Stimulation handheld device in the physiotherapy practice and in sports medicine practice provide us effective support towards our athletes’ pain management, skeletal muscle repair and regeneration with non-invasive, non-biologic method. “

Mr. Udo Buchholzer

Head of physiotherapie at VfB Reha-Welt Stuttgart

Many athletes are affected from disorders of muscle further to muscle injuries. The impairment of jeopardizing their professional performance in skeletal muscles ranges from hardening, swelling to sprains and muscle fibre tears. Pains and inflammatory changes in muscles, tendons and joints are very common disorders in today’s sedentary society.

In practice, there are different recommendations to the active athletes on regeneration measures. In the Physiotherapy and in the sports practice, there are already some effective process systems that specifically support the microcirculation in Interstitial. Here, each therapist and each athlete pursues his own recipe, cool down, heat, cold chamber, ice bath, massage, electrotherapy and exercise pool etc... Almost every form of physical therapy and physiotherapy are taken into consideration. But what is the cell biological foundation of regeneration?

Extrazell® battery supported Bio Mechanical Stimulation handheld device is an important part of our overall therapy for cell biologic regeneration. This therapy treatment underlies mechanism of action in natural muscle vibration. There is no “resting tone”: In each muscle, constant rhythmically alternating contractions can be found.



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Now, the offer with **Extrazell® battery supported Bio Mechanical Stimulation handheld device** in the physiotherapy practice and in sports medicine practice provides us effective support towards our athletes' pain management, skeletal muscle repair and regeneration with non-invasive, non-biologic method. The muscular rhythm can be imitated and stimulated externally by an appropriate longitudinal direction muscle stimulation entry. The physiotherapy works with the help of biomechanical stimulation (BMS) to the rhythm, microcirculation and cellular metabolism of the physiological components of regeneration. Extrazell biomechanical stimulation distinguishes mechanical stimulation from many therapeutic measures in physiotherapy, which based on the simple irritant-reaction principle. The BMS must be instantly defined in many conventional vibration applications, which often vertically apply to muscles tissue, and operate in an area at frequencies that go far beyond the upper frequency limit of 30 Hz biological.

Mr. Udo Buchholzer

Head of physiotherapie

June the 30 th 2017

Mr. Steffen Handschuh

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June the 30 th 2017