

Multimedia Biofeedback Training

Patients control the game by contracting the certain muscles, enjoying the fun in rehabilitation training. It activates brain cells, improves recognition, strengthens muscles, and it exercises muscles in the aspect of endurance, coordination, and balance.



H2
Hand Rehab System



Technology Upgrades
Our Life

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Our Life



Introduction

The XFT-2003EA Hand Rehab System is a physical rehabilitation electronic device for rehabilitation training of patients who have suffered from upper limb dysfunction due to stroke or other causes of central nervous system injuries. XFT-2003EA detects and monitors the EMG muscle activity signal of a patient and delivers an electrical stimulation pulses according to EMG signal strength to stimulate the patient in order to achieve a muscle contraction. With multiple training modes and interactive gaming applications patients can actively participate in the rehabilitation process and receive treatment with greater enjoyment and customization. The device is also equipped with an evaluation function to establish baseline data and threshold levels as well as track rehabilitation progress to help medical professionals customize evidence based, objective and effective rehabilitation treatment programs for each patient.

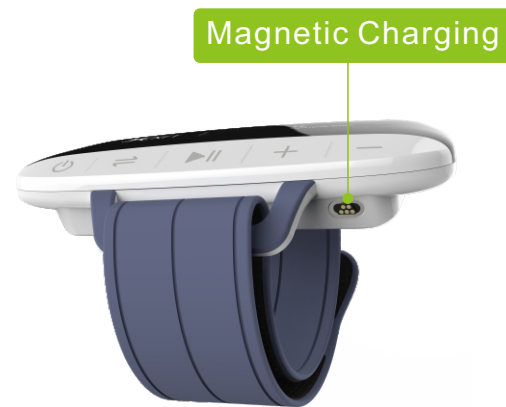
Features

✓ EMG

✓ NMES

✓ GAME

✓ BIOFEEDBACK ELECTRICAL STIMULATION



Magnetic Charging



Strong Magnet Charging



Easy Insert & Removal



Absorption Quickly



Waterproof & Dustproof Safely

Intended Use

- Improve hand function
- Increase or maintain hand range of motion
- Reduce muscle spasms
- Retard muscle atrophy
- Reeducate muscles
- Increase blood circulation

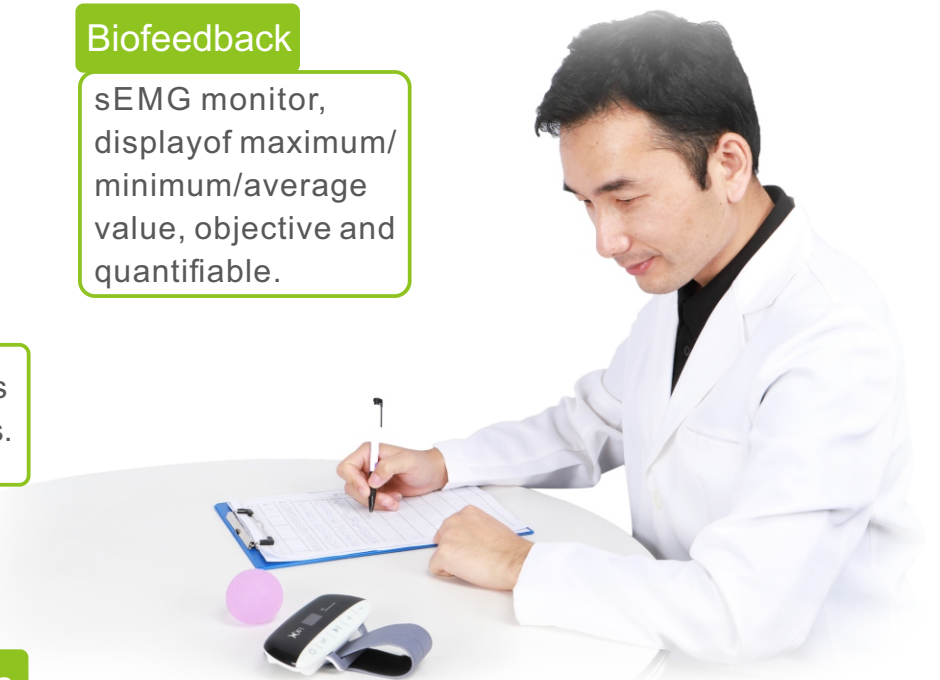


Biofeedback

sEMG monitor, display of maximum/minimum/average value, objective and quantifiable.

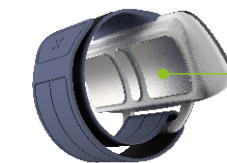
Treatment Prescription

Customizable treatments for various clinical needs.



Integrated Electrodes

Wearable design, adjustable wristband, stainless-steel electrode, precise positioning, non-consumable material.



stainless-steel electrode

Treatment Principle

The XFT-2003E detects and analyzes the patient's EMG signals in real time through the electrode sensors, and then simultaneously delivers low frequency comfortable electrical stimulation according to the EMG signal which in turn will evoke muscle contraction and enabling patients to actively participate in activities of daily living.

