



H₂
Hand Rehab System



Technology Upgrades
Our Life



CE NMPA


www.xft-china.com
The world's leading provider of rehabilitation medical devices and solutions

Introduction

The XFT-2003EA Hand Rehab System is a physical rehabilitation medical 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



The image shows the XFT-2003EA Hand Rehab System, a white handheld device with a blue strap. A green callout box labeled "Magnetic Charging" points to a charging port on the side of the device.

- ✓ EMG
- ✓ NMES
- ✓ GAME
- ✓ BIOFEEDBACK ELECTRICAL STIMULATION

- 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.

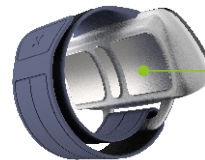
Treatment Prescription

Customizable treatments
for various clinical needs.



Integrated Electrodes

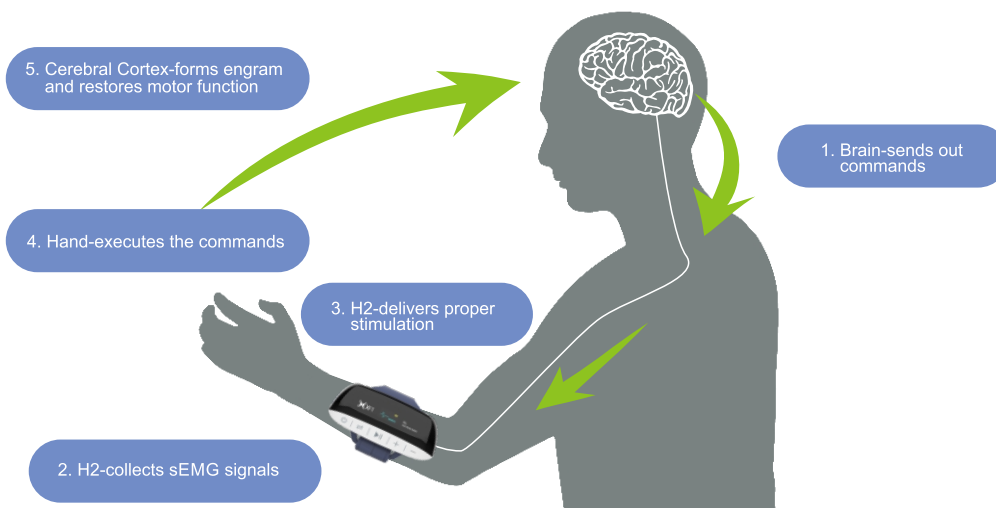
Wearable design, adjustable wristband,
stainless-steel electrode, precise positioning,
non-consumable material.



stainless-
steel electrode

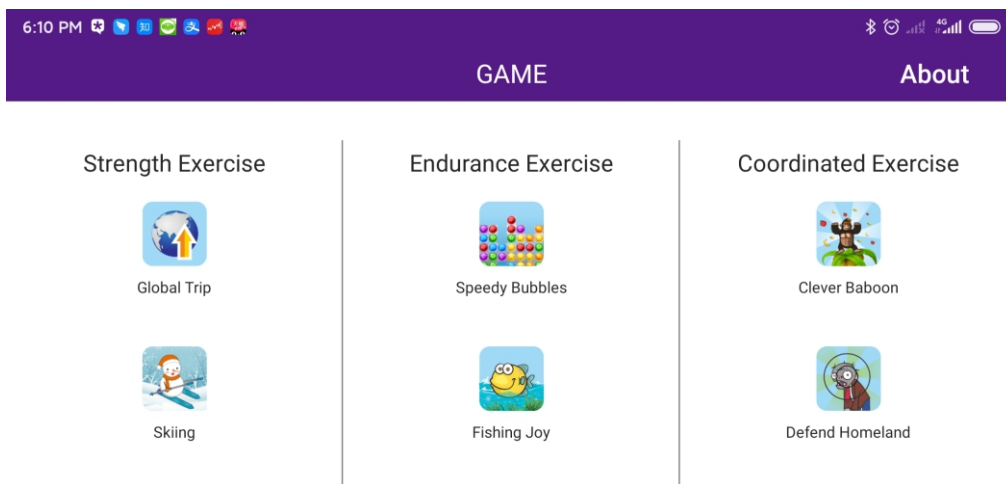
Treatment Principle

The XFT-2003EA 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.



Multimedia Biofeedback Training

Patients control the game completely by their will (i.e., the ability to contract and control certain muscles), making the rehabilitation fun too! It activates the functional activity of brain cells, improves cognition, increases muscle strength, and provides endurance, coordination and balance training for muscles.



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