

TendonCARE™
Ultrasound
 Therapy Massager
 Bio-838



CE Quality Certified
 Made in Hong Kong



Musculoskeletal Solution

- * **Speed up healing**
 Musculoskeletal Injuries
 Neuromuscular Disorders
 Bone Fractures
- * **Improves**
 Joints immobility
 Hamstring flexibility
 Blood Flow of Capillary
- * **Reduces**
 Resolution of Edema
 Softening Scar Tissue
- * **Power Penetration**
 1MHz 5cm↑ deep treatment
 2 W/cm² Therapy Power
- * **Functional Flexible**
 1~9 Mode digital display
 Presetable treatment time
 Continuous or Pulse mode
- * **Safe Treatment**
 Intelligent Monitoring
 LED and Buzzer Alert
 Power Diagnostic

肌腱通™
 (Bio-838)

超聲波物理治療按摩儀

肌肉軟組織
 肌腱受傷及骨裂
 止痛與加速康復

適用症狀:

足底筋膜炎、腳板痛、腳趾痛、關節痛、肩膊痛、手腕痛、手臂痛、膝痛、扭傷、拉傷、撞傷(撞瘀)、肩膊痛、腰椎痛、肌肉疼痛、運動創傷、僵硬、痙攣症狀

(網球手 五十肩 肩周炎 足底筋膜炎 關節炎 腕管綜合症... 等疾病及病理情況字句不宜作宣傳用, 請諮詢醫生/護理員意見)
 (Golf & Tennis Elbow, Carpal Tunnel Syndrome, Arthritis, Bursitis, Tendonitis, Plantar, Fasciitis...etc)

Those terms of disease do not use for advertising, please consult doctor)

使用手冊及規格書在包裝盒內

User manual and specification packed inside

超聲波按摩有促進微絲血管循環(消腫)、活血化瘀、鎮痛作用, 是物理治療師最常使用的治療工具之一

每秒1百萬(1MHz)次的高頻機械震動

1. 可引起組織細胞內物質運動, 是一種微細的按摩作用, 具有鎮痛作用。
2. 可產生細胞漿流動; 刺激細胞半透膜的擴散和膜滲透性, 具有消腫作用。
3. 加強血液和淋巴循環, 加速去瘀促進新陳代謝。
4. 可促進肌腱纖維細胞增生第一及三類膠原, 是肌腱修復的重要第一步。

TendonCare Biophysics Co.Ltd

肌腱通生物力有限公司
 HK company registry: 2033898

www.TendonCare.com



TendonCare Biophysics Sports Injuries Rehabilitation Products

TendonCARE™ (Bio-838) Ultrasound Therapy Massager

Mode Intensity

Applications:

Therapeutic ultrasound is one of the most common treatments used in the management of soft tissue lesions, which constitute the majority of rheumatic complaints.

Instructions of use: (In lack of ultrasound gel, ultrasound treatment effectiveness will be greatly reduced.)

1. Please consult your physiotherapist or doctor for correct setting on using this device.
2. Remove the treatment horn, if you feel burn or painful.
3. Connect the plug with your ultrasound device, before plugging on the power adaptor.
4. Preset the treatment mode and then time (see table on right)
5. Apply ultrasound gel on pained portion completely, and then gently keep it slowly swinging the horn around lesions
6. Do not keep the horn stationary on portion more than 30s. More than 60mins, sound alert will remind.
7. Ultrasound is a kind of sound, hard to feel vibration but a little warm. So, pay attention to patients, who do not feel enough feeling feedback. Horn is designed for working below 42°C. Device stops to work and LED indicator lights up if it is overrun.
8. Remove the power adaptor when the device is not in use. For every overrun, LED lights up, please turn off power at least 8min before restarting it.

Restrictions on the Use of Ultrasound Massager

- Over organs (stomach, liver, lungs, spleen, bowels, heart, kidneys, thyroid)
- Over the pelvis, abdomen and lumbar (lower back) region in pregnant or potentially pregnant females.
- On patients with pace-makers on patients with phlebitis, deep venous thromboses or patients with hemophilia
- Over mucous membranes (mouth, nose, rectum/anus, vagina)
- Over highly ultrasound-sensitive organs (eyes, ears, ovaries, testicles, brain, spinal cord)
- On patients with spinal bifida / bone with active infection / a bone fracture
- Over areas suspected to be cancerous / pre-cancerous
- Over de-sensitized (numb, hypoesthesia) areas of the skin (eg. diabetic neuropathy)
- Do not apply ultrasound gel on injured skin with wound
- Never use Ultrasound unit on children or under the age of 16 without the recommendation/supervision of a physician or therapist

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Warranty : 1year

Out of Warranty conditions :

- Water gets into device cavity
- Horn hits with hard materials
- Casing is opened unofficially
- Wrong electrical input

Specification

Frequency : 1MHz	Device Power : 12 W	Package : PP plastic box	Treatment operational Protection :
Pulse width : 2.5msec	Device Voltage input : 12V	Pack with: Ultrasound gel (450ml)	Horn temp. service : 42°C
Ultrasound Power : 0.03~2 W/cm ² (SATA)	Adaptor voltage : 220Vac / 110Vac	1pcs AC adaptor (220V / 110V)	Vibration detection Buzzer alert
Beam uniformity Ratio (BNR) : 4:1	Water resistance : No	User manual (this sheet)	Device overrun : LED alert
Effect Radiating Area (ERA) : 3	(can be cleaned by wet cloth)	Ultrasound device	Power connection : LED indicator
		Total weight : 1.5kg	Ultrasound output : LED indicator

Warnings: If any session of ultrasound therapy causes physical discomfort, stop using immediately. Prolonged exposure to maladjusted frequencies can cause serious tissue and neurological damage.

Attention: Correct setting of Ultrasound Therapy should not be painful and low temperature raised. Over setting would cause burning due to cavitation

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使用說明: (在缺乏超聲波耦合劑下使用, 治療效果會大大減弱)

1. 請諮詢醫生/物理治療師意見正確設定治療模檔及時間
2. 如感到火燒灼痛, 即把治療探頭移離受傷部位
3. 請先把DC電纜連接機身, 之後再連接電源
4. 請先設定模檔(見右表), 再設定治療時間
5. 塗上超聲凝膠於患處, 把治療探頭不停緩慢移動於患處上
6. 請不要把治療探頭固定於患處多於30秒, 多於60秒會有響聲提示
7. 超聲能是不易感覺其振動, 治療其間只產生輕微熱量. 皮膚感覺不良患者要尤其注意.(探頭超於42°C會啟動保護停機及亮燈告示)
8. 使用完畢請把電源變壓器與電源分開, 每遇機件過熱燈亮示, 請關機8分鐘後再啟動.

注意事項:

勿應用於內臟器官上如: 胃/肝/肺/脾/腸/心/腎/甲狀腺
勿應用於孕婦的盤骨/下腹/後腰底部
勿應用於超聲敏感器官上如: 眼/耳/卵巢/睪丸/腦/脊椎神經
勿應用於黏膜如: 口/鼻/直腸/肛門/陰道
勿應用於患有血管疾病如: 血友病/靜脈炎/血栓
勿應用於患有: 脊柱裂/骨炎 (骨裂 限LIPUS模檔)
勿應用於患有癌症部位
勿應用於患有失去感覺的病症
勿應用於16歲以下人士而未經治療師指導下使用
如皮膚有破損傷口, 不可塗上超聲波耦合劑

1~9 模檔強度 P=脈衝 C=連續 頻率 1MHz

- 1) LIPUS
- 2) 0.3W/cm² C
- 3) 0.5W/cm² C
- 4) 0.8 W/cm² C
- 5) 1.0 W/cm² C
- 6) 1.2 W/cm² C
- 7) 0.6 W/cm² P
- 8) 1.0 W/cm² P
- 9) 2.0 W/cm² C

☞ 超聲波能輸出 ON 開/關 ! 機件過熱
有骨裂患處 只可使用模檔 1 (LIPUS) (限20分鐘/日)
模檔 (1~3) 急性傷患 模檔 (4~9) 長期性傷患

規格

請參照英文版本

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警告: 如果超聲治療的任何階段會導致身體不適, 要求其立即停止. 長時間暴露在頻率失調可引起嚴重的組織和神經損傷.
注意: 使用超聲波療程時正確設定應為無痛及低升温. 過度設定致爆空現象會引使肌肉組織燒傷.