MelMak

Website existing - rehacare.com.au

The**Melmak LIPUS bone healing Device is a convenient, 20 minutes per day, home-based treatment which improves the speed of healing of fresh fractures and non-unions.**

The Melmak Device delivers a low intensity pulsed ultrasound to the fracture site. The low intensity pulsed ultrasound signal delivers an acoustic pressure wave to the fracture site. This represents a mechanical force, which aims to improve circulation and help with forming new bone.

By using the **Melmak fracture healing system** you may heal faster and return to your normal daily activities sooner.

Studies using commercially available LIPUS devices have shown that on average, fresh fractures will heal 38% faster than fractures that have not been treated with ultrasound. This is dependent on the type and location of the fracture.

The **Melmak LIPUS Ultrasound** has been especially designed for patient self-treatment. Once the ultrasound head has been strapped into position over the fracture site, simply press the on/off button to start the treatment.

The Melmak fracture healing system may assist the healing of recent fractures and fractures that have been slow to heal.

\*The Melmak Device should only be used as prescribed by a health professional.

**Indications and Intended Use**

The Melmak Device is indicated for the treatment of fresh bone-fractures and established non-unions excluding treatment of the skull and the vertebral column. The location
and type of fracture will influence results.

\*This non-invasive treatment can only be prescribed by a Physician or other Health Professional.

 **Accessories:**

* 250ml bottle Gel
* Transducer holder & Strap
* Battery charger
* Felt-for cast application

**Product Specifications:**

* Ultrasound frequency f: 1.5+-5% MHz
* Repetition Rate REF:1.0+-10% KHz
* Accusonic power P1: 116mW
* Power supply-Lithium Ion Rechargeable Battery:3.7 DCV nominal
* Beam Non-Uniform Ration RBN <6
* Waveform: Pulsed
* Effective Accusonic Radiating Area Aer: 3.88cm2
* Duty factor DF: 5
* Time Average Intensity: 6
* Weight (Control Unit including Transducer): approximately: 285g

**Clinicians - attached**

* Brochure
* Technical specifications
* Clinical studies
* Clinician User manual

**Patients - attached**

* Patient brochure
* Patient User Manual