

Magnetopulse M08

Pulsed Magnetic Field Therapy

Pulsed Magnetic Field Therapy (PEMF) promotes tissue repair by subjecting the bones, ligaments, muscles and tendons to controlled electromagnetic fields. Working at a deep level it induces electrical charges around tissue cells. This improves the local blood supply / oxygen pressure thus stimulating repair.

Healthy cells have a resting membrane potential of around -70mV . In a damaged cell this potential is raised, with a corresponding increase of sodium ions. This results in swelling and an excessive build-up of fluid in body tissue.

PEMF causes a redistribution of ions across the cell membrane, thus modifying resting membrane potential and certain cellular metabolic processes, especially those active during inflammation.

Additionally this therapy helps to promote the binding of receptor proteins on the surface of nerve cells, which facilitates their regeneration. This both optimises the healing process and gives pain relief.

Advantages of PEMF:

- Optimises the healing process
- Ease of use (no gel or clipping is required)
- Limited side effects, even for long term conditions such as osteoarthritis
- Recommended for home use, owner can carry out the treatments themselves
- Treats a wide range of conditions including soft tissue, orthopaedic and neurological



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Technical Data

Magnetopulse M08 is a fully portable battery operated **PEMF** unit which has been specifically designed for treating animals. No mains cable significantly reduces hazards associated with tripping over and breaking high voltage leads.



The unit is simple to use, yet flexible enough for the user to choose between 50 and 200 Hz base settings and pulse frequencies from constant up to 25 cycles / second. This allows treatments for pain reduction, reduction of inflammation (both acute and chronic) and even healing of bone fractures, particularly non-union.

In most cases the dog can be treated by inserting the special coil underneath the dog's blanket. Where specific areas are to be treated, the coil can be rested against that area. Treatments last for just 10 minutes. To gain the maximum benefit, it is recommended to repeat after a period of 4 hours has elapsed.

Note: The condition may worsen slightly during the first few days of use. This is due to the initiation of the healing process and is normal. Stop treatment if any signs of infection appear and contact your veterinary surgeon.

Symptom / Setting	Treatment Goals
Acute Conditions	Controls the formation of swelling, bruising and acute inflammation caused by muscle, tendon or ligament injuries. Reduction in the time of the natural healing process cycle.
Chronic Conditions	Reduces joint inflammation and secondary inflammation due to osteoarthritis. Assists in nerve regeneration where non-surgical treatment of degenerative spinal problems has been recommended.
Fracture Repair	Facilitates the process of callus formation and aids purification and strengthening of the bone crystal structures. Particularly recommended for non-union fractures.

Purchase or Hire?

Treatment using PEMF is best carried out 2 – 3 times a day, particularly for acute conditions. In this situation hiring the unit on a weekly basis is probably the best option. For more chronic conditions (i.e. osteoarthritis) where treatment will be less frequent but over long periods of time, purchase is an option. For more details and pricing please visit [PEMF Hire](#). Note: hiring the unit may require a refundable deposit.

