

**Our objective is to help reduce problems associated with neurological issues by restoring the brain to optimal neurological activity.**

Studies show that individuals with neurological disorders tend to have abnormal brain connectivity, specifically disrupted neuronal connections.

As pioneers in the use of Magnetic e-Resonance Therapy (MeRT<sup>SM</sup> treatment), we deliver a non-invasive neuromodulation technology aimed at improving the way the brain processes information and restoring optimal brain activity.

**As a result, following MeRT<sup>SM</sup> treatment people have reported the following benefits:**



Better sleep



Better Concentration and focus



Greater ability to cope with stress



Better mood



Improved mental clarity and memory



## Get in touch to learn more about MeRT<sup>SM</sup> treatment

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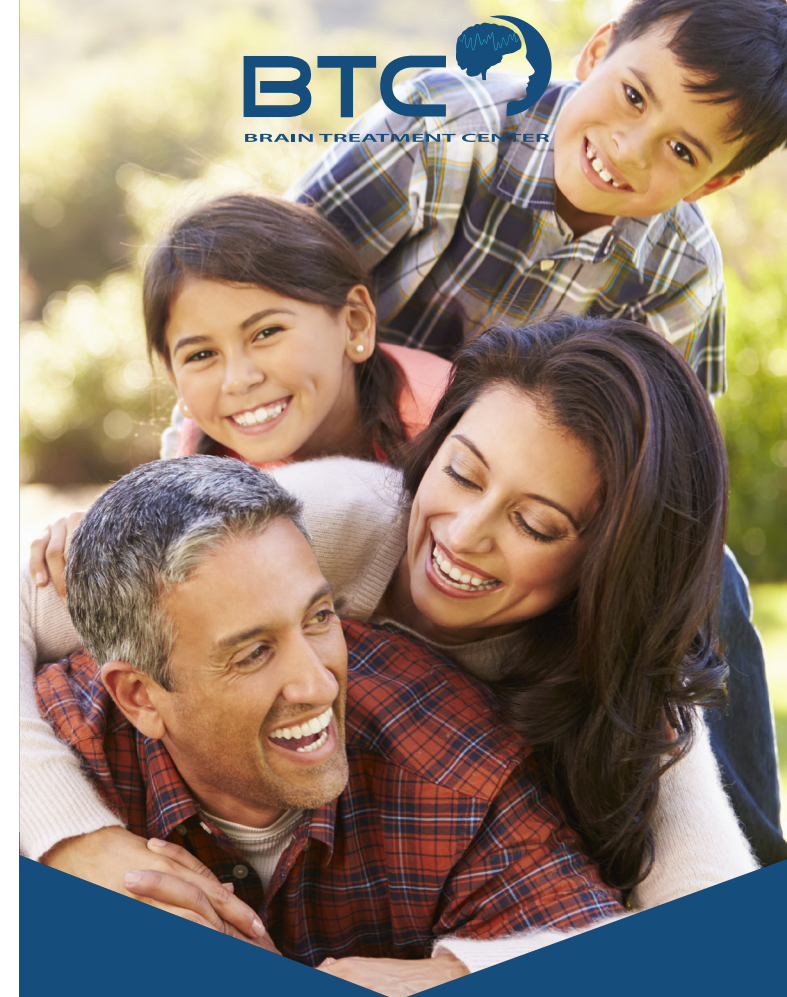
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For a full list of BTC Clinic locations visit  
[www.braintreatmentcenter.com](http://www.braintreatmentcenter.com)

A number of systems have been cleared by the Food and Drug Administration (FDA) for neuromodulation purposes, including in the treatment of Major Depressive Disorder. The neuromodulation equipment used by the MeRT<sup>SM</sup> treatment has been cleared by FDA in the treatment of depression, and may be used off label for other disorders in the practice of medicine.

For Australian enquiries please visit  
[www.braintreatmentcentre.com.au](http://www.braintreatmentcentre.com.au)



Our aim is to help people struggling with PTSD and TBI get a new chance at life.



# What is Magnetic e-Resonance Therapy? (MeRT<sup>SM</sup> treatment)

## An Individualized Approach to Brain Stimulation

Through MeRT<sup>SM</sup> technology we're able to uniquely image and map the brain to reveal areas that aren't communicating properly. Then we use the individual's data to develop a personalized approach to brain stimulation, aimed at optimizing the brain's activity to the individual's optimal frequency.

## MeRT<sup>SM</sup> treatment involves targeted neuromodulation that is:

- Patient-specific
- Non-invasive
- Non-pharmaceutical



## The MeRT<sup>SM</sup> treatment process

**1. Evaluation** - We start by analyzing the brain, heart rate and brain-heart coherence via an EEG/EKG. Our scientists then analyze the test results to determine the patient's current brain state and identify areas that may not be communicating optimally.

**2. Analysis and Protocol** - We input the neurophysiological data into a patented algorithm to develop a customized treatment plan.

**3. MeRT<sup>SM</sup> Therapy** - The patient sits in a chair, and a trained technician places an electromagnetic coil on the head for 6-8 seconds per minute. The coil produces a magnetic field to induce mild electrical currents in targeted regions of the brain.

**4. Progress Evaluation** - We repeat tests regularly to assess progress and refine the treatment approach based on the current neurological state.

PTSD double-blind randomized placebo controlled study using MeRT<sup>SM</sup> treatment

RCT: MeRT<sup>SM</sup> treatment vs. Sham

Two-phase trial: 2-week double blind trial followed by 2-week open-label treatment

43 veterans with severe PTSD (18-55 year olds; 3 females) studied, 23 treated with MeRT<sup>SM</sup> treatment and 20 sham

Patients treated with MeRT<sup>SM</sup> therapy improved more than sham in PTSD symptoms as measured by PCL-M during phase 1 ( $p=0.003$ )

Average PCL-M score reduction on over 4-week treatment was 73%

Pre and post treatment PCL-M following active MeRT<sup>SM</sup> treatment

