

Is TMS for you?

If you have found antidepressants are not working for you, SmartFocus™ TMS therapy by Nexstim might be the answer. TMS has been proven safe and can be very effective, with none of the drug-related side-effects.

Our unique SmartFocus™ TMS uses the science of electricity to help the brain heal itself. Every treatment is personalized to the brain's anatomy and alertness level.

“ Visualization of the therapy in the brain inspires confidence in both the patient and the physician. ”

Marja-Liisa Kemppainen, MD

Department of Psychiatry, Oulu University Hospital, Finland

TMS has been proven in clinical trials to be effective in the treatment of major depressive disorder with approximately 50% of patients responding significantly to treatment and 15–37% of patients sustaining total absence of depression symptoms.

Treatment with SmartFocus™ TMS will typically take place in a clinic or an office. Afterwards, you will be free to continue your daily routine.

Indications and Safety

INDICATIONS FOR USE

The FDA-cleared, Nexstim Navigated Brain Therapy (NBT®) System 2, is indicated for treatment of major depressive disorder in adult patients who have failed to achieve satisfactory improvement from one prior antidepressant medication at or above the minimal effective dose and duration in the current episode. Nexstim NBT System is intended to be used by trained clinical professionals.

NBT THERAPY SHOULD NOT BE GIVEN TO

1. Patients with non-removable conductive, ferromagnetic, or other magnetic-sensitive metal anywhere in the head or within 30 cm (12 in) of the stimulation coil. Examples include cochlear implants, implanted electrodes or stimulators, aneurysm clips or coils, stents, bullet fragments, ocular implants, and stents.
2. Patients who have an active or inactive implanted device (including device leads), including deep brain stimulators, cochlear implants, cardiac pacemakers, and vagus nerve stimulators. Contraindicated use could result in serious injury or death.
3. Patients with increased intracranial pressure or patients with intracardiac lines, intravenous pumps, or dose calculators.

Failure to follow these restrictions could result in serious injury or death.

RISKS AND SIDE EFFECTS

Seizures (convulsions): Cortical magnetic stimulation runs the risk of inducing seizures; although they are rare. In ordinary clinical use, the estimated risk of seizure is approximately 1 in 30,000 treatments (0.003%) or 1 in 1,000 patients (0.1%).

Headache: The most common side effects reported during clinical trials are mild headache (~50% of TMS treatment group) and scalp pain or discomfort (35.8%). In general, headache and pain on the stimulation site have been generally mild to moderate and occurring less frequently after the first week of treatment. The reason for headache may be the tension of scalp and neck muscles due to an uncomfortable and stressful situation.

Muscle Twitching: You may feel twitches in the muscles of your arm, leg or face during the magnetic stimulation.

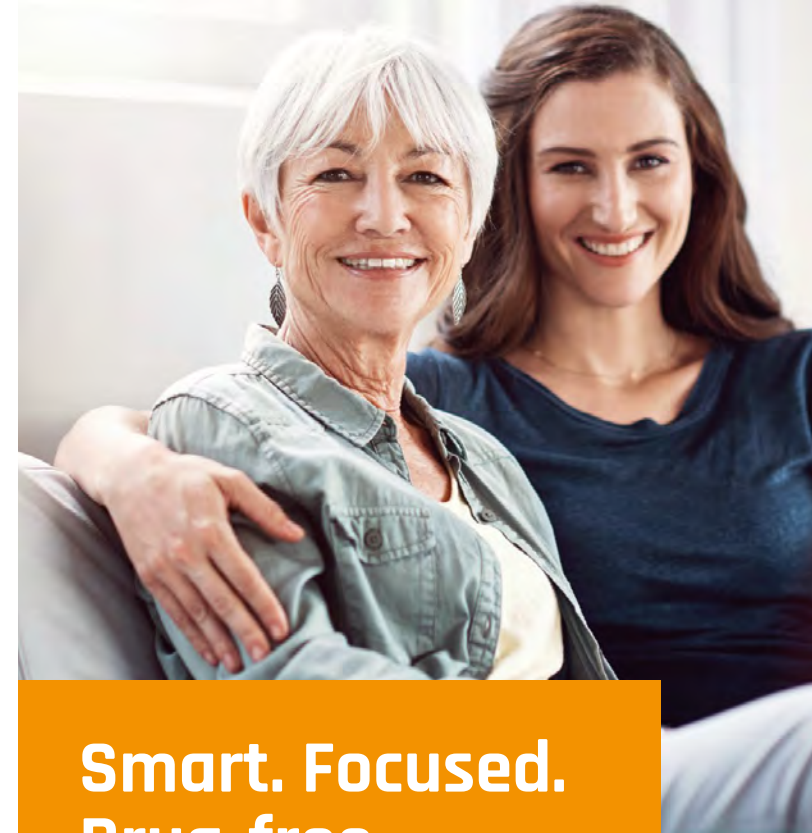
Skin Irritation: There is a small risk of mild skin irritation at the location where the muscle electrode sensors have been placed.

Changes in hearing: The loud “click” produced by the TMS stimulator can cause temporary hearing changes following treatment. This is prevented by wearing soft foam ear plugs during treatment.

INEFFECTIVE TREATMENT

There is no evidence that single therapy sessions would improve mood. rTMS treatment effects in reducing depression are temporary, and patients may need to continue other forms of depression therapy. Relapse into depression is likely without follow-up treatment. Notify your doctor in case of worsening depression or suicidality.

Nexstim



**Smart. Focused.
Drug-free.**

Finally, it's time to
feel good again.

**SmartFocus™
TMS**

Demand the most that TMS therapy can offer

SmartFocus™ TMS therapy activates the potential of the human brain to heal itself. Using tiny doses of electricity delivered by transcranial magnetic stimulation, TMS.

To be an effective therapy in depression, TMS needs to reach a small area of the brain closely involved in emotion and mood. Doctors know it by the name dorsolateral prefrontal cortex (DLPFC). You can't see it. In fact, no-one can unless you have a brain scan. Studies have shown that in patients with depression, metabolic activity is reduced in this part of the brain.

At Nexstim, we believe it is important that TMS therapy accurately targets the right spot, your left DLPFC – otherwise you may not get the benefit you truly need.

So, we use the latest science – proven 3D brain imaging techniques with visualization of the electric field produced by the TMS, only by Nexstim.

Uniquely personalizing TMS therapy



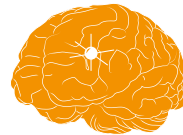
View

Displays 3D view of your brain from MRI scan



Measure

Personalizes the therapy to your brain state



Target

Pinpoints the therapy target in your brain



Treat

See the therapy on target – feel confident



Repeat

Your vital data are saved – ready for your next session

After the one-time setup process, treatment delivery during your sessions will last approximately 37 min. A typical treatment course is 5 sessions per week for 6 weeks, or as your doctor prescribes.

By choosing SmartFocus™ TMS, you will benefit from decades of our scientific research in neurosurgery. Nexstim uniquely offers you:



- ✔ A carefully measured dose of TMS
- ✔ TMS with the accuracy demanded by neurosurgeons
- ✔ Every treatment session personalized for you and your brain
- ✔ The assurance you received your prescribed dose
- ✔ Unsurpassed safety and comfort

SmartFocus™ TMS therapy activates the potential of the human brain to heal itself.

www.nexstim.com

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