

The Next Wave of Depression Treatment



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A small and lightweight device, designed for routine clinical treatment of depression

- Effective: additive effects to medication and psychotherapy. A viable monotherapy option even for those who do not benefit from medication⁽¹⁾
- Free from serious side effects: an alternative for patients who cannot tolerate antidepressants
- Easy to use: an automated procedure with only one button to press
- Affordable



Sooma Depression Treatment

Standard protocol

The standard treatment protocol for acute major depression consists of ten daily sessions, excluding weekends. Once all the daily sessions have been completed, there is a maintenance phase of one session every other week, delivered twice. During each session Sooma tDCS™ delivers a constant current of 2 mA for 30 minutes.

Modifications to the standard protocol

Under the supervision of the attending psychiatrist, the standard protocol may be adjusted for an individual patient's special needs. Such adjustment may include adding one or two extra weeks of daily stimulation to the initial phase or extending the duration of the maintenance phase.

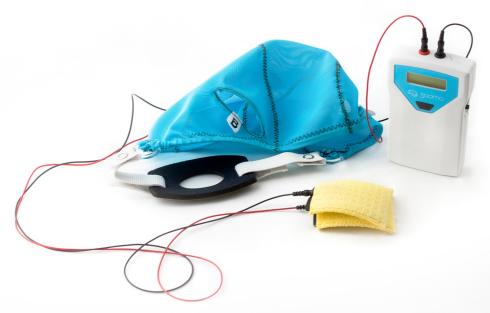
Note that other treatment parameter modifications – either to the placement of electrodes, the duration of the sessions or the stimulation current employed – may require research permission from your institution's ethics committee. For research cooperation, please contact Sooma Oy.

Initial phase



Maintenance regime (after initial phase)





Suitable for most patients

Sooma Depression Treatment is a potential option for most adult patients with major depression. Stimulation can be used as a monotherapy and has been found to have additive effects to both medication^(3,4) and psychotherapy⁽⁵⁾.

Contraindications for the use of Sooma Depression Treament: implanted active or non-active devices in the head area (excluding dental implants), cardiac pacemaker implantation or acute eczema in the skin under the electrode pouches.

Easy to use anywhere

Starting a treatment session is straightforward. The Sooma tDCS[™] device has a single control button. There is no possibility to modify the function of the device by accident. The device has embedded features to ensure that it delivers a constant 2mA current.

Unless the session is combined with simultaneous psychotherapy, presence of a medical professional is not required during the 30 minute stimulation period.

Clinical Impact

Efficacy

In a study by Brunoni et al.(3), the use of tDCS alone led to a remission rate of 40%, whereas the remission rate for tDCS and sertraline combined was 47%. Shiozawa's (7) meta-analysis of tDCS studies concluded that the results of active tDCS treatment in depression are clinically relevant.

Duration of effects

In a study by Martin et al⁽⁸⁾, with weekly maintenance 84% of patients avoided relapse for three months after the acute treatment stage. In Boggio et al's⁽⁹⁾ study, patients were found to be free from relapse without active maintenance for one month after completion of a treatment period.

Safety and Tolerability

tDCS is well tolerated and is not associated with serious side-effects or withdrawal effects^(10,11). Itching or tingling of the skin under the electrodes and a mild headache are relatively common but harmless symptoms of tDCS treatment.



References

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About Sooma

Finland-based Sooma Oy is a medical device manufacturer developing innovative neuromodulation solutions. Sooma $\mathsf{tDCS^{TM}}$ is a CE-marked device that is affordable, easy to use, and easily adaptable to various clinical routines. Sooma's products are designed and manufactured according to internationally recognized standards of performance. Sooma is an ISO 13485 and ISO 9001 certified company, and has international patents granted.

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