

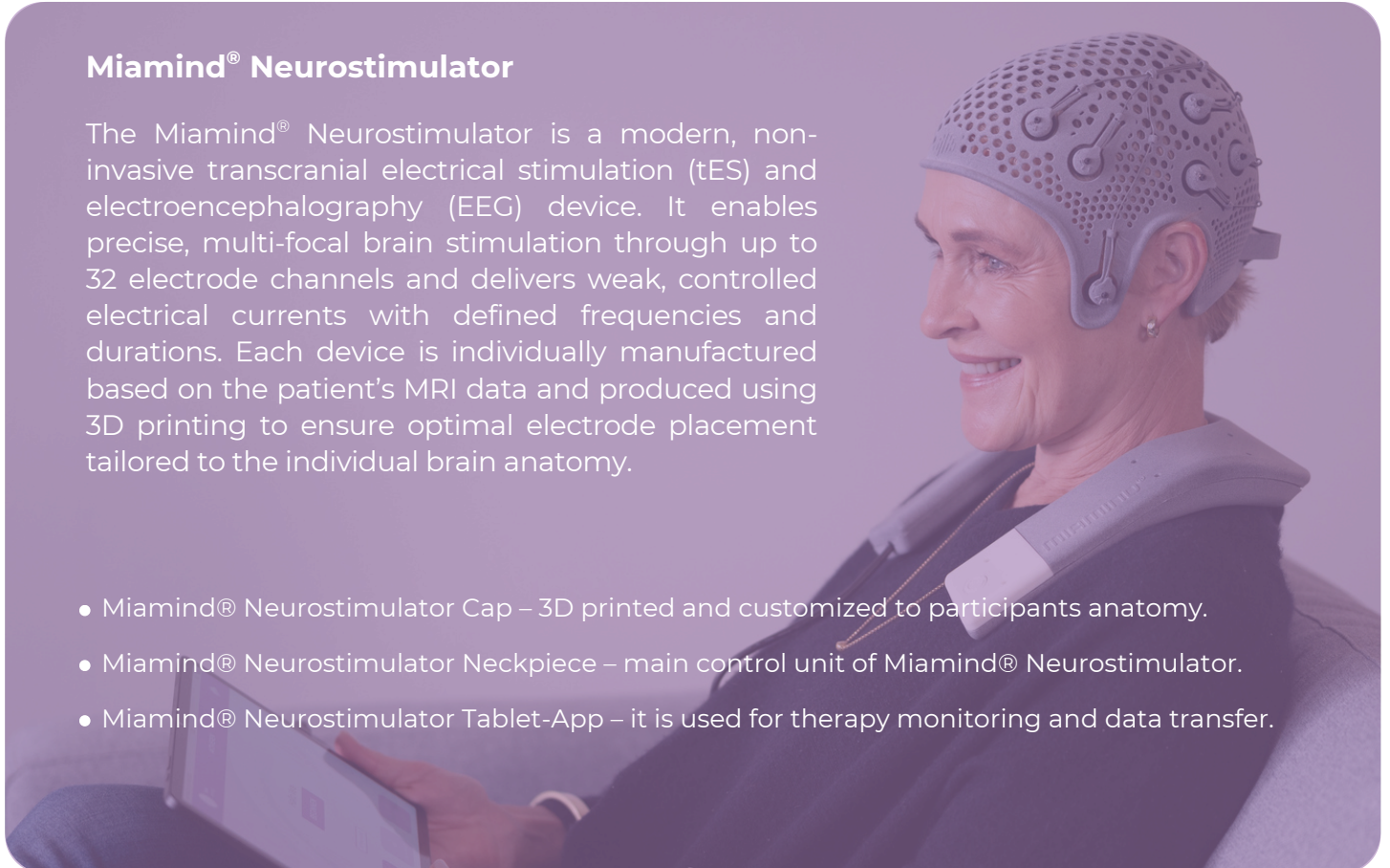
Personalized Electrical Stimulation for Home Use

Precision Medicine for Brain Health

Miamind® Neurostimulator

The Miamind® Neurostimulator is a modern, non-invasive transcranial electrical stimulation (tES) and electroencephalography (EEG) device. It enables precise, multi-focal brain stimulation through up to 32 electrode channels and delivers weak, controlled electrical currents with defined frequencies and durations. Each device is individually manufactured based on the patient's MRI data and produced using 3D printing to ensure optimal electrode placement tailored to the individual brain anatomy.

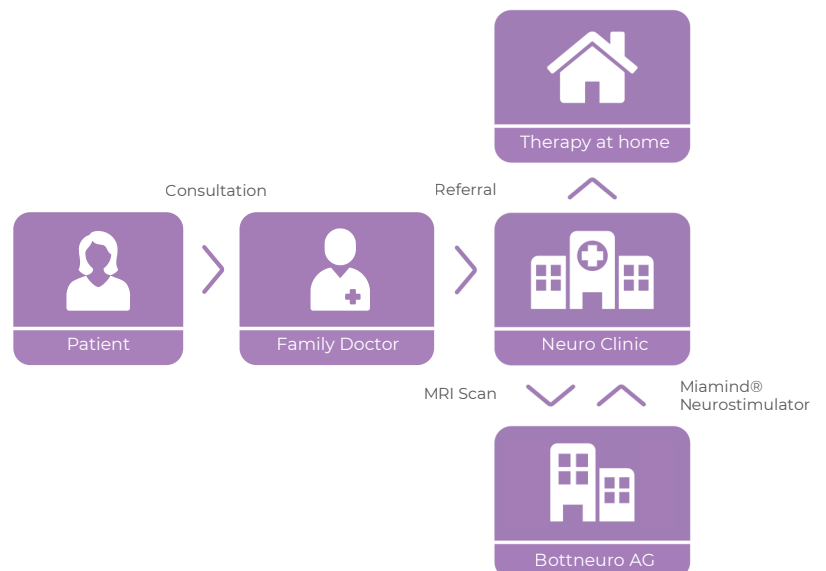
- Miamind® Neurostimulator Cap – 3D printed and customized to participants anatomy.
- Miamind® Neurostimulator Neckpiece – main control unit of Miamind® Neurostimulator.
- Miamind® Neurostimulator Tablet-App – it is used for therapy monitoring and data transfer.



Prescribed by a physician, MRI-based, individually customized

From the first consultation to your personalized therapy - your journey is clearly structured and supported by experienced professionals.

After a medical consultation and referral, a precise analysis is carried out at the clinic using advanced imaging to identify the appropriate brain region for stimulation. Based on this data, Bottneuro manufactures your custom-made Miamind® Neurostimulator. Following an introduction at the clinic, you can begin therapy - comfortably at home or under clinical supervision. A slight tingling sensation indicates the gentle stimulation is taking effect. Your progress is continuously monitored by your physician; for medical questions, your doctor will assist you, and for technical support, you can contact Bottneuro directly.



Personalized Swiss Precision Medicine

The Miamind® Neurostimulator is personalized based on individual MRI data and manufactured using 3D printing. This customized technology enables precise stimulation of the desired brain region. Unlike standardized “one size fits all” approaches, Miamind uses patient-specific computer models to optimize the electrode configuration and therapy plan. As a result, the electrical effectiveness in the target region is significantly enhanced.

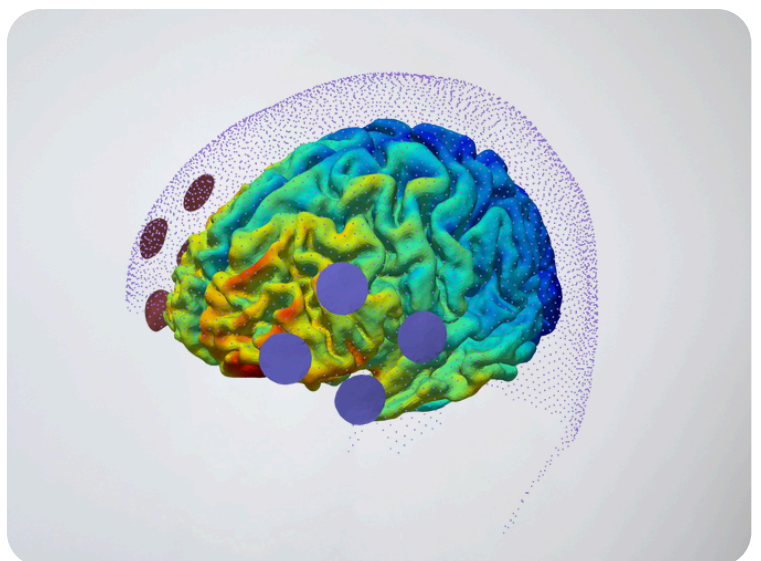


Comfortable Home Use

As an innovative brain stimulation device, the Miamind® Neurostimulator enables patients to carry out their therapy session conveniently and safely in the comfort of their own home. This home-based approach provides patients with the flexibility to schedule treatments at times that suit their daily routine, making it easier to integrate therapy into everyday life, while the therapy is remotely monitored by the treating physician. The intuitive and user-friendly tablet app guides users through each session and encourages regular use, making neurostimulation therapy particularly effective.

Diverse Applications

The wide range of possible stimulation parameters (tDCS and tACS), combined with a built-in EEG function, allows for the treatment of a variety of neurological conditions. Personalized neurostimulation has shown particularly promising results in dementia therapy, where targeted stimulation can support cognitive functions. The choice between tDCS and tACS depends on the specific therapeutic goals, as each method influences brain activity in a different way.



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