

A man who suffered from severe depression for more than 30 years and did not respond to treatment for the first time in many years, he experienced joy thanks to a new method of brain stimulation.

The study was conducted by a group of scientists from the University of Minnesota and other universities. They developed a personalized approach: at first they made a detailed MRI scan to determine exactly which areas of the brain are associated with this patient. Then the electrodes were surgically installed and began to serve weak impulses in different areas.

When stimulation affected the so -called “passive regime network” associated with internal thoughts, the patient suddenly burst into tears with happiness. Other zones gave the effect of calm or improving concentration.

The treatment continued daily with small sessions. Seven weeks later, suicidal thoughts disappeared in a man, six months later the condition improved markedly, and by nine months there was a complete remission. This effect has been preserved for two years.

Scientists have already conducted a second implantation and are preparing for clinical trials.

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