

The RTMS is a new noninvasive method has the potential to both therapeutic and experimental level. The research presented in this work was dedicated to the application of repetitive transcranial magnetic stimulation (rTMS) in psychiatry. We focused also on a deeper understanding of the mechanisms of action using methods of functional imaging methods and sensing electrical activity of the brain. The experimental part of the research include the testing of cognitive function and their potential effects by stimulating the cerebral cortex district, which is regarded as the seat of that particular modality. We discuss neurobiological factors that may explain the ineffectiveness of therapy and other options are designed to test the use of rTMS in this indication. This is the Reversible stimulation (right) or bilateral stimulation, rTMS targeting the coil at the bottom of the parietal cortex, extending the total period of stimulation and the use of individual navigation based on EEG or functional imaging.