Introduction

The use of repetitive transcranial magnetic stimulation has grown over the last ten years since the FDA approval in 2008 and has been also included in NICE UK as an optional treatment [1] and it is likely to continue to grow in terms of its use as it has been showing the following promising findings: good results in a variety of neuropsychiatric disorders such as anxiety [2], obsessive compulsive disorder [3], auditory hallucinations [4], PTSD [5], tinnitus [6], migraine [7], post-stroke rehabilitation [8] etc. It also provides a neuroprotective mechanism [9] which may enhance cognitive function.

A Case Study

We would like to present a 52 year old lady with a history of recurrent depressive disorder, with the current episode lasting over two years. She had a history of recurrent depressive disorder since she was 17 years old. Her current presentation was with decreased sleep, decreased appetite, lack of concentration, lack of energy, low mood and anhedonia as she could not enjoy anything in her life anymore. She was partially functioning socially and with keeping up a part time job. She was on Lamictal (Lamotrigine) 50 mg BD, Efexor XR (Venlafaxine) 150mg daily, Seroquel (Quetiapine) 50mg nocte and Wellbutrin (Buproprion) 150mg daily when she came to our clinic. She was previously tried on higher doses of Efexor XR (Venlafaxine) with no response from her clinical history.

Also 6 months prior to attending to our clinic she received a total of thirty sessions. The patient went into a full recovery of her depressive episode one week post treatment completion. We also stopped Buproprion, Quetiapine and during treatment we also increase Venlafaxine XR to 150mg BD. She did not present with any side effects from the rTMS therapy. She was also reviewed a month post treatment and the effect was sustained and decided to have a monthly maintenance session with rTMS.

Conclusion

Our case suggests that rTMS can be an effective treatment option in treatment resistant depression even in patients that they have been previously tried on ECT and did not recover or sufficiently responded. Also, the recommendation could be that rTMS could be used as a first line treatment in patients with depression as it presents with less side effects as if its to be compared to medications or ECT and its an effective and safe treatment above all.

References

5. Rosenberg PB, Mehndiratta RB, Mehndiratta YP, Wamer A, Rosse RB, et al. (2002) Repetitive transcranial stimulation treatment of comorbid...
A Case of Treatment Resistant Depression Who Did Not Respond to ECT (Electroconvulsive Therapy) and Responded to rTMS (Repetitive Transcranial Magnetic Stimulation).


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