

3<sup>rd</sup> Annual Congress & Medicare Expo on  
**PRIMARY HEALTHCARE, CLINICAL &  
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### **Manic episode induced by Baclofen: A case report and literature of review**

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**Subject objective:** Baclofen is a GABAB receptor agonist, commonly used as a muscle relaxant so it is used mainly for treatment of spasticity, pain, stiffness and used offlabel for treatment of alcohol dependence.

**Case Presentation:** Here, we present a case of a 35 year old Egyptian male with no previous history of medical or psychiatric disorders was admitted to our addiction unit for alcohol dependence for 6 years. Full laboratory investigations were in the normal range. We initiated treatment with baclofen oral tablets to decrease alcohol consumption with a gradual increase of Baclofen dose till 200 mg/day. On regular psychiatric evaluation, we noticed a change in patient behavior, including euphoric mood, grandiose ideas and suspicious with persecutory delusions against his family members, rapid talking with a high flow of ideas, and insomnia. We started the gradual decrease of baclofen dose to avoid its withdrawal symptoms with antipsychotic medication (olanzapine). Patient regained his normal behavior 1 month later and continue his alcohol dependence treatment with regular visits to outpatient clinic.

**Methods:** we searched medical electronic databases: PubMed, Ovid Midline, EBSCO and Web of science using the following query: "Baclofen AND mania AND Psychotic symptoms". Conclusion: the mechanism of inducing manic symptoms by baclofen is still unclear and. Psychiatrists should pay more attention while using baclofen to treatment of baclofen dependence. Future studies should explore the relationship between GABA receptors and the psychotic symptoms induced by Baclofen.

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#### **Biography**

Mohamed Abd Elalem Aziz has finished his psychiatry residency from Abbassya psychiatric hospital, Cairo, Egypt. Finished Addiction Diploma in 2015 and expected to finish his master degree in May 2017 from Menoufia Faculty of Medicine. He is psychiatry supervisor at (Medical research group of Egypt) which is a highly prestigious research group in Egypt with more than 50 international published research papers. His main scope is systematic reviews and meta-analysis in gene therapy especially gene therapy related to Parkinson's disease.

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