

The Study of the Effectiveness of Olanzapine as a Maintenance Treatment in Opioid Dependents, a Randomized Clinical Trial

Mokri, A.¹; Shams, J.²; Bagheri Valujerdi, A. H.³; Sahraei, H.⁴; Yaghoobi, M.⁵; Ekhtiari, H.⁶

Abstract

Introduction: In this research, researchers want to study the effectiveness of Olanzapine on reduction of substance abuse relapse among people who are dependent to opioid material, merely. **Method:** A randomized clinical trial was designed. The population was opioid dependence subjects (only men) that were diagnosed based on DSM-IV TR criteria, and referred to national center of addiction studies clinic. Detoxification was done by using of Clonidine, Clonazepam, Disiklomin, and NSAIDS within 7 through 10 days. In second stage, the Patients who were referred to the clinic those men who had satisfied criterions selected. Demographic forms, testimonial certificate, Addiction Severity Index, Beck Depression Questionnaire, Zung Self report anxiety test administered among selected sample. Sample divided to two groups (placebo and Olanzapine) the research last for 8 weeks. **Results:** the results showed that addiction severity reduced in both groups, but there was not significant difference in reduction of addiction severity between two groups. There was significant difference in depression and anxiety among mean scores of base line and follow up in both groups but there was not significant difference between two groups in follow up measures. **Conclusion:** Altogether, the results did not confirm the effectiveness of Olanzapine on maintenance treatment of opioid dependence.

Key words: Olanzapine, Relapse, Maintenance treatment, Opioid dependence.

1. Assistant Professor of Tehran University of Medical Sciences. *email: mokriazr@tums.ac.ir*

2. Assistant Professor of Sahhid Beheshti University of Medical Sciences

3. Psychiatrist

4. Professor of Baghyatollah University of Medical Sciences

5. Medical Dr. of Iranian National Center for Addiction Studies

6. Chairman of the Neurology Lab of Iranian National Center for Addication Studies