**Sari, Iran. 2018**

Dear Chief Editors of Galen medical journal

Please find the enclosed manuscript: “**Naloxone ameliorates spatial memory deficits and hyperthermia induced by a neurotoxic regimen of methamphetamine in male rats** ”, by **Solmaz Khalifeh, Mehdi Khodamoradi, Vahid Hajali, Hamed Ghazvini\*, Mehran Zarghami, Javad Akhtari, Shafagh Shariati,** and **Lelia Eliasy** to be submitted to the galen medical journal for consideration of publication. All co-authors have seen andagree with the contents of the manuscript and we certify that the submission is an original work and is not under review at any other publication.

In this manuscript, we have reported the effects of naloxone on spatial learning and memory deficit induced by methamphetamine in male rats.

The results of our study indicated the negative effects of methamphetamine on cognitive function in male rats. It seems that naloxone has protective effects against cognitive impairment following exposure to methamphetamine . We believe that our findings may be interesting to the readers of galen medical journal. Also, these findings may help to more identification of properties of naloxone and its probable effects on cognitive impairment induced by methamphetamine.

**Conflict of Interest statement**

The authors declare there is no conflict of interest.

We hope that the editorial board and the reviewers will agree on the interest of this study.

Sincerely yours,

Hamed Ghazvini on behalf of the authors

\* Correspondence: Psychiatry and Behavioral Sciences Research Center, Addiction Institute, Mazandaran University of Medical Sciences, Sari, Mazandaran, Iran.

Tel: +98-1133285659; fax: +98-1133285659. Electronic addresses: hghazvini1@gmail.com, [h.ghazvini@mazums.ac.ir](mailto:h.ghazvini@mazums.ac.ir), Hamedghazvini@ut.ac.ir

.