



SDI Review Form 1.6

Journal Name:	<u>British Journal of Medicine and Medical Research</u>
Manuscript Number:	2013_BJMMR_8559
Title of the Manuscript:	Hepatic Antioxidant Effect of Paroxetine in Rats Exposed to Chronic Restraint Model
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>Page 1 Line 10-13: Abstract: The authors assumption is "Paroxetine reduces oxidative stress". Whether psychological stress is directly responsible for hepatic damage or CNS damage indirectly involves with additive effect like oxidative damage caused by comorbid psychoactive substance abuse is a matter of debate.</p> <p>Page 1 Line 22-26: Abstract: Even 3-5 times of range of Serum AST & ALT are normal. So raised value of AST & ALT from baseline and calculation of p value especially with a small sample size like the present study has to be adjusted with appropriate statistical methods.</p> <p>Page 3 Line 58-61: How the Chronic restraint model in albino rats and why the 6 hrs restraint is chosen not explained by researchers.</p>	<ol style="list-style-type: none"> 1. The present study : chronic restraint model as a psychological stress to albino rats → caused direct changes in hepatic antioxidant enzymes and glutathione repletion ability as well as proved in another studies but on brain homogenates Sahar M. Kamal (2012): Combination of Valproate and Paroxetine in Mice Exposed to Picrotoxin. International journal of Nanomedicine 2012- vol. 7 : 2583 - 2589 IF: 4.01 2. I placed the pearson correlation of all results that indicated a positive linear relationship between measured variables 3. 6hours restraint for 21 days is an animal model that simulates effect of stress on human body as mentioned by Sunanda, B.S.; Shankaranarayana, R. and Raju, T.R. (2000). Chronic restraint stress impairs acquisition and retention of spatial memory task. Current Science, 79(11): 1581-1584. 4. I did several studies on SSRIs /NSRI as: Sahar M. Kamal (2012): Combination of Valproate



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	<p>Whether in present day the depression in human subjects can be compared with absolute restraint model in albino rats has not been justified by the authors.</p> <p>Page 7: Line 137-140: Why paroxetine is chosen by authors? Whether they have worked similarly with other SSRIs/SNRIs?</p> <p>Page 12 Line 216-227: May be written in Introduction, not appropriate in discussion section.</p>	<p>and Paroxetine in Mice Exposed to Picrotoxin. International journal of Nanomedicine 2012- vol. 7 : 2583 - 2589 IF: 4.01</p> <p>Kamal SM (2013) Possible Anti-oxidant Effect of Lamotrigine in Nucleus Accumbens of Mice Exposed to Picrotoxin. J Neurol Disord 1:108.</p> <p>Kamal SM (2013) Modulating Role of Mirtazapine on Concentrations of both Glutamate and GABA in Nucleus Accumbens of Chronic Mild Stressed Albino Rats. J Neurol Disord 1:110. Sahar Mohamed Kamal A Possible Potentiating Antidepressant Effect of Venlafaxine by Recombinant Rat Leptin in a Rat Model of Chronic Mild Stress - <i>Pages 16-21</i> DOI: http://dx.doi.org/10.6000/1927-3037.2013.02.01.3</p> <p>Sahar M Kamal (2013): Venlafaxine Induces Neurogenesis In Frontal Cortex And Nucleus Accumbens Of Albino Mice Exposed To Chronic Mild Stress-Induced Anhedonia. T.Ph.. Res. 9(02), 1-11</p> <p>I modified this paragraph to be partially presented in the introduction while the results to be presented in the discussion section</p>
Minor REVISION comments		
Optional/General comments		