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Journal Name:	British Journal of Medicine and Medical Research
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	Research article

General guideline for Peer Review process:

This journal's peer review policy states that \underline{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:

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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)
<u>Compulsory</u> REVISION comments	This is, in summary, a paper aimed to investigate the hepatic	
	antioxidant effect of paroxetine in rats exposed to chronic restraint	
	model.	
	The manuscript is interesting and well-conducted; however, some	
	revisions are needed as currently presented. The authors may find as	
	follows my comments/suggestions.	
	Some statements within the Introduction section are too generic and	
	need to be more deeply clarified. For example, the authors stated that	
	selective serotonin reuptake inhibitors were generally preferred over	
	tricyclic antidepressants and monoamine oxidase inhibitors due to	
	lesser adverse effects, good compliance, and comparable efficacy with	
	these older drug groups. First, they are requested to specify whether	
	they refer to animal models or human studies. Also, to more	
	comprehensively support that all existing antidepressant drugs may be	
	comparable in terms of efficacy, the authors may find as follows some	





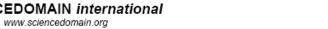
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useful and detailed studies that may be consulted (Sanchez et al; Int Clin Psychopharmacol. 2014 (in press); Seitz DPet al., Int J Geriatr Psychiatry. 2010; Cipriani et al., J Clin Psychiatry. 2008; Katzman et al., J Clin Psychiatry. 2007; Arroll et al., Ann Fam Med. 2005).

Similarly for the following statement in the same section: "Chronic stress exposure is associated with neurodegeneration and a marked change in anti oxidant enzymes". More details are needed to support this statement.

The authors also stated in the Discussion section that paroxetine antidepressant effect against anhedonia-induced by glucocorticoids could be related to suppression of oxidative stress that is associated with dexamethasone administration. The mentioned assumption is quite interesting but needs to be further discussed by the authors. I suggest to develop this statement including specific and more focused evidence.

Methods section, the authors should provide a more detailed rationale about their decision to measure at the end of the study, liver transaminases ALT and AST as well as the hepatic levels of GPx, catalase and TBARS in order to test the hepatic antioxidant effect of paroxetine. This is a crucial point that needs to be further addressed in





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	order to improve the way in which the main topic of the present	
	manuscript has been investigated.	
	Discussion section, when the authors mentioned the existing	
	relationship between depression and immune system, they should also	
	cite recent studies about this topic (Mills et al., J Child Psychol	
	Psychiatry. 2013; Serafini et al., Eur Neuropsychopharmacol, 2013;	
	Hashmi et al., J Pak Med Assoc. 2013).	
	Finally, the authors should be more candid in reporting the main	
	limitations of the present study. I suggest to include a separate section	
	in which they may describe the major shortcomings related to the	
	major conclusion of their study. Overall, the assumption that	
	paroxetine possesses an anti-oxidant action that helps in protection of	
	livers of chronic restrained rats is interesting but the mentioned points	
	need to be further developed in order to make the manuscript more	
	easy to follow.	
Minor REVISION comments	No further minor revisions.	
Optional/General comments		

Note: Anonymous Reviewer