



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Medicine and Medical Research
Manuscript Number:	MS: 2012 BJMMR 2821
Title of the Manuscript:	Changes in Some Testicular Biometric Parameters and Testicular Function in Cadmium Chloride Administered Wistar Rats

General guideline for Peer Review process is available in this link:

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

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	<p>The issue of the paper is timely and current. The manuscript reports effects of Cadmium chloride on testicular biometric parameters and testicular function in Wistar rats. Authors concluded Cadmium chloride decreased some testicular biometric parameters, semen quality and testosterone and these changes in the testicular function and testicular biometric parameters are positively correlated. There are several comments on this manuscript.</p> <p>1) How do the authors decide the dose of cadmium? Authors described Group B, C and D received 15mg/ml, 20mg/ml and 25mg/ml of Cadmium chloride. The unit of concentration of cadmium is mg/ml. Usually we used mg/kg (body weight). So according the volume of water, mg/ml was changed to mg/kg. It is more correct.</p> <p>2) In the results, authors used the testicular weight. Authors should consider the individual difference and then used testis index (testis/body weight, %). It is more correct.</p>	<p>1) We decided to use that dose of Cadmium chloride because of the fact that Mervat (2011) in his study used similar doses which caused graded inhibition of testicular function of Wistar rats. The unit of concentration of cadmium is mg/ml. The reason we stuck to the use of mg/ml rather than mg/ml was the fact the animals which were of comparable or similar body weight, were allowed random drink from the concentration of cadmium chloride solution instead of infusing the solution through a cannula.</p> <p>2) The testis index was actually carried out but was misrepresented with the unit, g.</p>
<u>Minor</u> REVISION comments	<p>Although the paper is well written, there are minor mistakes. Authors pay more attention to the form of reference, such as Lines 177, 182, 184, 186, 205, 207, 212, and 215.</p>	



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<u>Optional/General</u> comments		
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