



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research and Reports in Endocrinology</a>
Manuscript Number:	Ms_AJRRE_65450
Title of the Manuscript:	Comparative Effects on Wistar Rat's Thyroid Gland, Serum Selenium and Iodine Concentration of Bisphenol A, Carbimazole and Thyroxine
Type of the Article	Original Research 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/journal/10/editorial-policy> )

**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)
<b>Compulsory</b> REVISION comments	<p>In the proposed manuscript entitled "<b>Comparative Effects on Wistar Rat's Thyroid Gland, Serum Selenium and Iodine Concentration of Bisphenol A, Carbimazole and Thyroxine</b>", the authors investigated the effects of bisphenol A (BPA) on microscopic and functional thyroid gland alteration in comparison with those induced by carbimazole and thyroxine. Particularly, they found that BPA and carbimazole caused hypothyroidism and changes in thyroid follicles, while thyroxine induced hyperthyroidism.</p> <p>The topic, focusing on the effects exerted by which BPA on thyroid gland, might be of interest to the readers of the Asian Journal of Research and Reports in Endocrinology, however authors need to address minor concerns as included below:</p> <ul style="list-style-type: none"> <li>-The title needs to be revised, highlighting the effects of BPA.</li> <li>-The abstract should be rewritten taken into account the main effects of BPA.</li> <li>-Statistical analysis must include the description of data variability and significance.</li> <li>-In the results section, the authors should report if there were differences upon BPA exposure in serum thyroid hormone concentrations as well as in serum selenium and iodine between female and male rats. Since BPA concentrations affected thyroid histopathology in a gender dependent manner, could the authors speculate about the estrogen receptor status?</li> <li>-The introduction and/or the discussion should be updated with the citations of the most recent publications on thyroid and nutraceutical and environmental factors as well as with the implementation of the action of BPA as a xenoestrogen agent able to induce cell proliferation in endocrine-related cancer (PMID:32294918 PMID:14754635, PMID:14709801, PMID:33469997, PMID:32294918, PMID:33352510, PMID:32397091, PMID:31540254).</li> </ul>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		



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**PART 2:**

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b><i>Daniela Bonofiglio</i></b>
Department, University & Country	<b><i>University of Calabria, Italy</i></b>