

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_77590
Title of the Manuscript:	<b>Circadian Dysregulation: A Mainstream Mess of the Present World</b>
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://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment <i>(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)</i>
<p><b>Compulsory</b> REVISION comments</p>	<p><b>Geral:</b></p> <ol style="list-style-type: none"> <li>1- <b>If the purpose of the manuscript is to review the discussion on circadian dysregulation and long-term effects, it should initially address concepts of circadian rhythmicity, including circadian dysregulation and its mechanisms, and finally address its potential long-term effects, in a logical sequence. Only effects such as circadian disruption and cancer biology and mental illness are discussed. Authors should review their objectives and adjust the manuscript</b></li> <li>2- <b>Especific:</b> <ol style="list-style-type: none"> <li>1- <b>Introduction presents concepts in confusing sequence. It does not approach the role of circadian rhythm in cortisol secretion. A conceptual refinement is needed (biological clock, biological oscillation, phase response curve, entrainment, masking, synchronization, disruption, dysregulation, etc.) which are covered in the manuscript. Authors repeat concepts already presented (marked in yellow), we suggest revision of the paragraph.</b></li> <li>2- <b>The authors assert that the biological rhythm was created by Franz Halberg. What references do authors use? Descriptions of rhythmicity between living beings have been known for a long time. Since the beginning of formal science, with the development of knowledge in Astronomy, seasonal fluctuations in agriculture were already known. There are references in texts by Hippocrates; report on biological rhythmicity in 1729 by the French astronomer J. J. De Mairan; thesis on biological rhythms written by Julien-Joseph Virey in 1814: "Ephémérides de ses phénomènes dans la santé et les maladies". In the 20th century, the reports of three researchers: Jurgen Aschoff, Franz Halberg, and Alain Reinberg. They are some of the main people responsible for organizing chronobiology as a formal discipline.</b></li> <li>3- <b>In the paragraph "The disorder occurs when an individual tries to sleep at different times that do not coincide with their basic biological clock. There are two types of these disorders– intrinsic and extrinsic. ....": What are the bibliographical references? What concept of jet lag approached by the authors?</b></li> <li>4- <b>In item "Circadian disruption endorses lung tumor": Although consistent, there are up-to-date bibliographic references. It is important to note that most studies cited are experimental in animals.</b></li> <li>5- <b>In item "mental illness and circadian dysregulation": The authors' intention to relate the sleep-wake cycle and its disturbances with the worsening/prognosis of mental illnesses is observed, however, the text is confusing.</b></li> <li>6- <b>In item "Cancer biology and circadian disruption": Although consistent, there are up-to-date bibliographic references.</b></li> <li>7- <b>In the paragraph "If all types of depression are considered together, there will be a clear link among shift work and melancholy. An investigation of 11 researches resulted night shift workers are 40% further probably toward suffer than day employees": What are the bibliographical references?</b></li> </ol> </li> </ol>	

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<b>Minor</b> REVISION comments	1- What is the review methodology? Were specific search terms and bases used? 2- Authors should carefully review bibliographic references and acronyms.	
<b>Optional/General</b> comments	No comments.	

**PART 2:**

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

**Reviewer Details:**

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