

Review Form 3

Journal Name:	Asian Journal of Research in Infectious Diseases
Manuscript Number:	Ms_AJRID_127421
Title of the Manuscript:	Oxygen Dissociation Curve: Its Physiology and Influencing Factors
Type of the Article	Minireview Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The oxygen dissociation curve is important for understanding oxygen delivery to tissues under various physiological conditions. Body adaptation to different environments is reflected by the changes in the curve. The manuscript highlights the significance of factors like pH, CO ₂ , 2, 3-DPG, CO and structurally different haemoglobin which have a considerable effect on the affinity of haemoglobin for oxygen and determine how efficiently oxygen is supplied to the body cells.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes. The factors influencing the curve can be added briefly.	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient.	
Is the language/English quality of the article suitable for scholarly communications?	Yes.	
<u>Optional/General</u> comments	Clinical relevance of oxygen dissociation curve can be elaborated. Examples like exercise and hyperventilation given in the script are appreciated. Examples in a clinical setting and its importance in prognosis can be highlighted. Blood gas analysis and p50 value importance can be detailed. The units of measurement for PaO ₂ and SaO ₂ can be added.	

PART 2:

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

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