

Review Form 1.7

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	Ms_JAMPS_109462
Title of the Manuscript:	Drug Repurposing for COVID-19: Current Status of Potential Therapeutics
Type of the Article	

Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The authors have produced a concise review on the repurposing of drugs against COVID-19. Given the many effects that COVID-19 has had on health and society worldwide, the identification of drugs against COVID-19 and other coronaviruses is clearly an important scientific challenge.</p> <p>Yes, the title of the review is suitable.</p> <p>Yes, the abstract of the review is appropriate.</p> <p>Yes, the manuscript is structured appropriately.</p> <p>Yes, the manuscript is scientifically correct.</p> <p>Yes, the references are sufficient and recent.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The language/English of the article is generally acceptable, but improvements must be made for it to be acceptable for publication.</p>	
<p>Optional/General comments</p>	<p>A list of suggested grammatical, consistency and other changes that should be made to the text of the manuscript, along with some queries, is given below.</p> <p>Page 1 Abstract, line 1. What is the meaning of the phrase "The maneuver clinical investigation"? Introduction, line 1. Change "to identify the" to "of identifying" Introduction, lines 6-7. Change "several other drugs including antivirals is initiated all over the world to combat severe complications caused by coronavirus" to "several drugs including antivirals have been initiated all over the world to combat severe complications caused by coronavirus disease 2019 (COVID-19)" Introduction, lines 9-10. Change "coronavirus disease 2019 (COVID-19)" to "COVID-19"</p> <p>Page 2 Line 3. Remove "make" Line 9. Change "medicine" to "drugs" CORONAVIRUS and COVID-19 Lines 1 and 5. The same information is repeated on these lines Line 10. Change "SARS-CoV- 2" to "SARS-CoV-2" and "nearly" to "closely" Line 12. Change "SARS-CoV2" to "SARS-CoV-2", "79.5" to "79.5%" and "96.2" to "96.2%" Lines 16-17. Change "the spike glycoprotein (S), membrane (M), envelope (E), and nucleocapsid (N) protein, which covers RNA and" to "spike glycoprotein (S), membrane protein (M), envelope protein (E), nucleocapsid protein (N), which are" Lines 18-19. Change "This virus entry is caused by attachment and membrane fusion of viral spike (S) protein" to "Virus entry is enabled by attachment and membrane fusion of the S protein"</p>	

Review Form 1.7

	<p>Line 21. Change “membrane” to “M” Line 23. Change “and involve” to “and is involved” Line 24. Change “spike glycoprotein” to “the S proteins” Line 25. Change “S- proteins” to “S proteins” Line 26. Change “Spike glycoprotein consists of a large ectodomain amino acid sequence,” to “The S protein consists of a large ectodomain,”</p> <p>Page 3 Lines 2-5. Change “unit S2, virus enters the host cell, via its receptor-binding domain (RBD) of S1 binds to angiotensin-converting enzyme 2 (ACE2) cell surface receptor, and S2 fuses the host cell and viral membranes, enabling the entry of viral genomes into host cells [25,26].” to “unit S2. Virus enters the host cell via the receptor-binding domain (RBD) of S1 that binds to angiotensin-converting enzyme 2 (ACE2) cell surface receptor, and S2 fuses the host cell and viral membranes [25,26].” Lines 5-7. Remove “The outbreak of COVID-19, caused by the new and largely contagious SARS-CoV- 2, represents a great pandemic to global health.” Second paragraph, line 17. Insert “is” before “reportedly” Second paragraph, line 21. Change “it” to “It” Second paragraph, line 23. Insert “have” before “presented” Second paragraph, line 25. Change “MISC evolved” to “MIS-C has evolved” Second paragraph, line 26. Change “had” to “has” Third paragraph, line 1. Insert “SARS-CoV-2” before “variants” and change “orders variants” to “orders.” Third paragraph, line 1. Change “(VOIs), and variants” to “(VOIs), variants” Third paragraph, line 6. Change “right away” to “immediately” Third paragraph, lines 10-11. Rewrite: “coronaviruses cause COVID-19 and affect respiratory, gastrointestinal, and neurological diseases” Third paragraph, lines 11-12. The following sentence repeats information already given in the same paragraph: “On 26 November 2021, the WHO classified this mutant as a variant of concern and named it Omicron (B.1.1.529).” Third paragraph, line 13. Change “8” to “eight” Third paragraph, line 14. Change “spike protein” to “S protein” Third paragraph, line 15. The following information was already given in line 13: “with eight mutations” Third paragraph, line 16. Change “spike protein” to “S protein”</p> <p>Page 4 Section 3, line 1. Change “Till today” to “At the time of writing” Section 3, line 4. Change “oligonucleotide” to “oligonucleotides” Section 3, line 10. Change “of the existing” to “of existing” Section 4, line 1. Change “It is” to “The repurposing of antibiotics is” Section 4.1, lines 4-5. Change “It has great tissue penetration. Azithromycin is” to “Azithromycin has great tissue penetration, it is” Section 4.1, line 8. Insert a comma after “fibrosis” Section 4.1, line 11. Change “were” to “are” Section 4.2, lines 2-3. Change “in the proteolysis of S protein” to “in proteolysis of the S protein” Section 4.2, line 3. Insert “the” before “S protein”</p> <p>Page 5 Section 4.3, line 3. Insert “and” before “RNA-dependent” Section 4.3, line 4. Change “no evidence is there to” to “there was no evidence to” Section 4.4, line 3. Change “inhibit” to “inhibits” Section 4.5, line 8. Change “b-lactams” to “beta-lactams” Section 4.6, line 5. Change “The computational” to “A computational” Section 4.6, line 9. Change “Definitely, tetracyclines provide” to “Tetracyclines definitely provide”</p> <p>Page 6 Section 5.2 title. Change “Drug” to “Drugs”</p>	
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Review Form 1.7

	<p>Section 5.3, line 1. Change "Genomic" to "genomic" Section 5.3.1, line 2. Change "A&B" to "A and B" Section 5.3.1, line 5. Insert "a" before "lung" Section 5.3.1, line 9. Rewrite "NHC inhibits viral replication by mutagenesis-D-N4-hydroxycytidine (NHC), is a broad"</p> <p>Page 7 Line 2. Change "in vitro, in vivo" to "in vitro and in vivo" Section 5.3.4, line 7. Change "Particularly," to "In particular,"</p> <p>Page 8 Section 5.3.5, line 6. Insert "and" before "thereby" Section 5.3.5, line 6. Insert "it" before "is" Section 5.3.5, line 8. Change "absorbing cell" to "adsorbing to the cell" Section 5.3.5, lines 8-9. Is this sentence correct? "Recent studies showed that it improved CoVs infection without effect on the hospitalization rate" Section 6, line 2. Change "patients as a result it leads to" to "patients, which leads to" Section 6.1, line 7. Change "It" to "Fingolimod"</p> <p>Page 9 Section 6.2, line 1. Change "Colchicine, a" to "Colchicine is a" Section 6.2, line 2. Change "now it was" to "it has been" Section 6.2, line 3. Change "monocytes, inflammatory cells" to "monocytes, which are inflammatory cells" Section 6.2, line 4. Change "COVID-19 by disrupting the nod-like" to "COVID-19. Colchicine disrupts nod-like" Section 6.2, line 5. Change "trigged" to "triggered" Section 6.2, line 7. Change "Particularly," to "In particular," Section 6.2, line 10. Change "are not supporting" to "do not support" Section 6.4, line 8. Change "cytokine release syndrome" to "CRS"</p> <p>Page 10 Line 8. Change "had" to "have" Section 6.5, line 2. Change "were" to "have been" Section 6.5, line 8. Remove the comma following "responses" and remove "as" Section 6.5, line 14. Change "Of these, five" to "Five" Section 6.5, line 15. Change "Indeed, these two drugs" to "Indeed, methylprednisolone and dexamethasone" Section 6.5, line 17. Change "tissue repair" to "enhance tissue repair"? Section 6.5, line 19. Change "Few" to "Some" Section 7.1, line 2. Change "virus was now repurposed" to "virus. It has now been repurposed" Section 7.1, line 5. Change "its" to "their" Section 7.1, line 6. Change "such as" to "including" Section 7.1, line 8. Remove "the"</p> <p>Page 11 Section 7.2, line 1. Italicise "Giardia lamblia" Section 7.2, lines 1-2. Italicise "Cryptosporidium parvum" Section 7.2, line 6. Insert "the" before "IFN" and change "depleting of ATP-sensitive" to "depletion of the ATP-sensitive" Section 7.2, line 9. Change "COVID 19" to "COVID-19" Section 7.2, lines 9-12. Why are trials about emetine and favipiravir included here in the section about nitazoxanide? Section 8, line 3. Remove "of" Section 8, lines 15-16. Change "further, in vitro, in vivo studies" to "further in vitro and in vivo studies" Section 9.1, line 3. Insert "and" before "may" Section 9.1, line 6. Change "SARSCoV-2" to "SARS-CoV-2"</p>	
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Review Form 1.7

	<p>Page 12 Section 10, line 3. Change “2” to “two” Section 10, line 5. Change “surface spike glycoprotein” to “S protein” Section 11.1, line 8. Change “had” to “has” Section 11.2, line 1. Change “by inhibiting” to “that inhibits” Section 11.2, line 3. Change “Angiotensin-converting enzyme II (ACE2)” to “ACE2”</p> <p>Page 13 Section 4. The conclusion cannot be section 4. Section 4, line 1. Change “The coronavirus disease 2019 was one of the global and historic pandemics that affected” to “COVID-19 has been a historic pandemic that has affected” Section 4, lines 4-5. Change “clinical evaluation and development” to “development and clinical evaluation of new drugs” Section 4, line 7. Change “were” to “have been”</p>	
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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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Simon Patching
Department, University & Country	School of Biomedical Sciences, University of Leeds, UK