

## RESPONSES TO REVIEWERS' COMMENT:

### Inequity in the global distribution of mpox vaccines

Tovani-Palone *et al.* Distribution of mpox vaccines

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#### Reviewer #1:

- The authors intended to write a manuscript on an important and timely topic. This manuscript, however, does not significantly contribute novel ideas; rather, it is a descriptive review of the literature. Even though they have only provided a little amount of statistical information, some of them are inaccurate.

Response: We've updated the manuscript and added new insights.

#### Reviewer #2:

- The short manuscript entitled "Inequity in the global distribution of mpox vaccines" submitted to W. J. Clin. Cases is a brief and timely summary of the situation regarding the recent monkeypox pandemic. Abstract (and please also correct in the main text of the MS): please always use full terms initially (monkeypox) and only then introduce the abbreviation (Mpox) "Public Health Emergency of International Concern" there is no need to capitalize all words instead of "lethality rate" use "case fatality risk", which is the more appropriate term for this situation.

Response: We have revised these points. All changes to the manuscript text are highlighted.

- "Keywords" instead of „Key words" I strongly suggest using the MeSH keywords instead of the present keywords (or to revise them) for better visibility Introduction: please always use full terms initially (monkeypox) and only then introduce the abbreviation (Mpox) ...70 deaths, spread across 110 countries.

Response: We have revised these points. All changes to the manuscript text are highlighted.

- More detailed data on epidemiology should be provided I suggest including some explanation on the present inequalities in geographical distribution of Mpox cases. I suggest including more information about the causative agent itself.

Response: We have included this.

- If the authors introduced the abbreviation WHO, then they should use it consistently Diagnosis and clinical course of mpox: ...its diagnosis is mainly made by polymerase chain reaction (PCR)... what if molecular biology methods are not available?

Response: We have reviewed this based on the most recent scientific evidence.

- Please go into greater detail about the affected patient population! Current context of Mpox vaccination “However, given the shortage of vaccine supplies, different countries have authorized the intradermal administration of a single dose of the vaccine for adults.” were there any efficacy or real-world evidence studies to support this practice? “...as this group is at the highest risk of contracting mpox.” Healthcare professionals “In contrast, African countries lack access to vaccination and to antiviral treatment which is essential for patients with severe manifestations and people at risk of severe disease [5].” here, the authors should include some potential interventions and strategies to improve the situation. please briefly discuss the Mpox pandemic in the context of the SDGs “Other key points to contain the spread of mpox.”

Response: We have revised these points. All changes to the manuscript text are highlighted.

- Please try to rephrase the title of the table Global allocation of health resources versus mpox: This section should be the main focus of the manuscript and should be complemented with more references and discussion in the context of Mpox. I suggest at least two more paragraphs of text. Final consideration ...together with other international public health bodies....

Response: We have revised these points. All changes to the manuscript text are highlighted.

**Reviewer #3:**

- Very good mini-review on a neglected topic. I feel that much deeper considerations may be useful, but I understand that the Authors were limited by word count constraints.

Response: Many thanks for your comments.

The authors are grateful for the comments and suggestions of the three reviewers.

Best regards,  
Marcos Roberto Tovani-Palone