

**Original Article Title:** “AI-based Diagnosis of COVID-19 Patients Using X-ray Scans with Stochastic Ensemble of CNNs”

**To:** TechRxiv Editor/Reviewers

**Re:** Response to reviewers

Dear KC Santosh,

Thank you for sparing your time and sharing your valuable suggestions with us. As per your queries, we have incorporated the following changes:

- Incorporated the two journals that you mentioned in the mail.
- A more focussed and clear conclusion is written for your understanding.
- As per the data that we have used, there are no clinical implications associated with it. Therefore, nothing of a similar kind is being mentioned in the manuscript.

Now, we are uploading (a) our point-by-point response to the comments (below) (response to reviewers), (b) an updated manuscript without highlights (PDF main document).

Best regards,

Ridhi Arora, Vipul Bansal, Himanshu Buckchash, Rahul Kumar, Vinodh J Sahayasheela , Narayanan Narayanan, · Ganesh N Pandian, Balasubramanian Raman

**Reviewer#1, Concern # a:** Clinical implications of the dataset

**Author response:** Thank you for the suggestion. Appropriate mention of the clinical implications of the dataset has been mentioned in the manuscript.

**Reviewer#1, Concern # b:** Include up-to-date reference lists:

**Author response:** We cited the following citation as per suggested by you.

- 1) Truncated Inception Net: COVID-19 Outbreak Screening using Chest X-rays, DOI:10.21203/rs.3.rs-20795/v1
- 2) Shallow Convolutional Neural Network for COVID-19 Outbreak Screening using Chest X-rays, TechRxiv: techrxiv.12156522.v1 # Conclusion is expected to be focused.

**Reviewer#1, Concern # #:** Conclusion is expected to be focused.

**Author response:** Thank you for the suggestion. We have updated the conclusions accordingly.